SELECT VEHICLE
PRINT PAGES NEEDED

iDatalink maestro RR

HOW TO USE THIS INSTALL GUIDE

1. Open the Bookmarks menu and find your vehicle OR scroll down until you find the install guide for your vehicle.
2. Print only the pages for your vehicle using the advanced options in the Print menu.
3. Install your Maestro RR according to the guide for your vehicle.

WARNING

Pressing the printer icon or "quick printing" this document will print all of the guides in this compilation.

NOTICE: Automotive Data Solutions Inc. (ADS) recommends having this installation performed by a certified technician. Logos and trademarks used here in are the properties of their respective owners.

INSTALL GUIDE

2008-2017
BUICK ENCLAVE

RETAINS STEERING WHEEL CONTROLS, ONSTAR, BLUETOOTH AND MORE!



PRODUITS REQUIS
Interface de remplacement d'autoradio: iDatalink Maestro RR ou RR2
Câblage : iDatalink Maestro HRR-GM5+

PROGRAMMED FIRMWARE
ADS-RR(SR)-GM05-AS

ADDITIONAL RESOURCES
Maestro RR2 Programmable Outputs Guide

OPTIONAL ACCESSORIES

ACC-SP1

HEAD UNIT ADAPTER:
ACC-HU-PIO1, SON1, KEN1, KEN2, ALP1

NOTICE: Automotive Data Solutions Inc. (ADS) recommends having this installation performed by a certified technician. Logos and trademarks used here in are the properties of their respective owners.

WELCOME

Congratulations on the purchase of your iDatalink Maestro RR Radio replacement solution. You are now a few simple steps away from enjoying your new car radio with enhanced features.

Before starting your installation, please ensure that your iDatalink Maestro module is programmed with the correct firmware for your vehicle and that you carefully review the install guide.

Please note that Maestro RR will only retain functionalities that were originally available in the vehicle.

TABLE OF CONTENTS

Before Installing	3
Installation Instructions	4
Wiring Diagram with an Amplifier	5
Wiring Diagram without an Amplifier	6
Radio Wire Reference Chart	7
Module Diagnostics	8
Troubleshooting Table	9

NEED HELP?

1 866 427-2999

maestro.support@idatalink.com

BEFORE INSTALLING P1 /1

STEP 1

DETERMINE IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

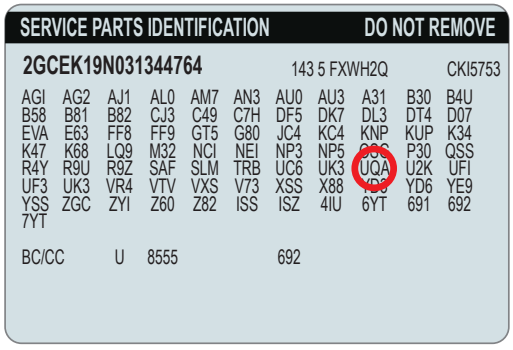
METHOD 1: Look for the following logos in the vehicle. They are usually on the speaker covers or on the radio unit. If you find any of the following logos Bose, Pioneer or Monsoon, you have a factory amplifier.

BOSE

Pioneer

MONSOON

METHOD 2: Look for the following sticker in the glove box. This sticker will indicate all the Regular Production Option (RPO) codes. If you find any of the following codes UQA, UQS or UQG, you have a factory amplifier.


SERVICE PARTS IDENTIFICATION DO NOT REMOVE

2GCEK19N031344764 143 5 FXWH2Q CKI5753

AGI	AG2	AJ1	AL0	AM7	AN3	AU0	AU3	A31	B30	B4U
B58	B81	B82	CJ3	C49	C7H	DF5	DK7	DL3	DT4	D07
EVA	E63	FF8	FF9	GT5	G80	JC4	KC4	KNP	KUP	K34
K47	K68	LQ9	M32	NCI	NEI	NP3	NP5	QQS	P30	QSS
R4Y	R9U	R9Z	SAF	SLM	TRB	UC6	UK3	UQA	U2K	UFI
UF3	UK3	VR4	VTV	VXS	V73	XSS	X88	YD5	YD6	YE9
YSS	ZGC	ZYI	Z60	Z82	ISS	ISZ	4IU	6YT	691	692
7YT										

BC/CC U 8555 692

STEP 2

IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **with an amplifier** and read the "**AMPLIFIER ONLY**" note to determine if you should use rca's or level matching circuits.

IF YOUR VEHICLE NOT IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **without an amplifier**.

Automotive Data Solutions Inc. © 2023

INSTALLATION INSTRUCTIONS P1/1

STEP 1

Remove the factory radio

If using head unit adapter (sold separately), connect HRR-GM5+ harness to adapter and skip to step 2.

- Unbox the aftermarket radio and locate its main harness.
- Cut and remove the black 20 pin connector from the HRR-GM5+ T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the HRR-GM5+ T-harness and match the wire functions.

  Note: only connect purple/white wire to radio reverse input or module damage will occur.

STEP 2

- Connect the factory harness to the HRR-GM5+ T-harness.
- Without AMP: Ensure that the WHITE 8 pin plugs are connected.
- With AMP: Connect the HRR-GM5+ 8 pin WHITE connectors to the AMP adapter.

STEP 3

- Plug the harnesses into the aftermarket radio.
- Connect the backup camera RCA cable into the aftermarket radio.
- With AMP: Connect the Center and SUB RCA cables.
- Plug the steering wheel control cable into the aftermarket radio.

STEP 4

- Connect the ACC-SP1 speaker to Maestro module.
- Connect all the harnesses to the Maestro RR module then test your installation.

OnStar, turn signal volume, or warning chime adjust:

- Turn ignition (IGN) on
- Open driver's door

Select to adjust:

OnStar level - Press OnStar button.

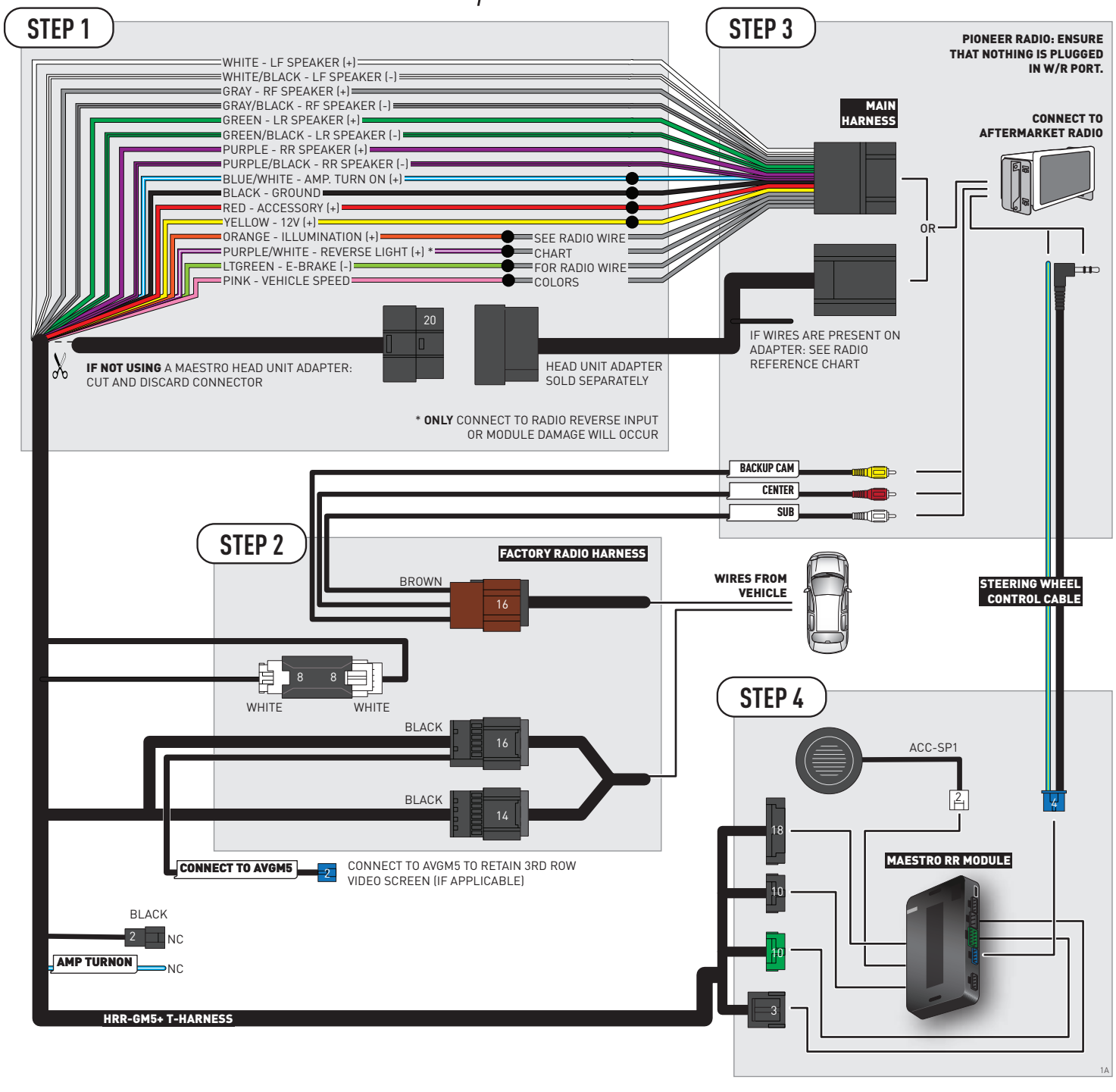
Turn signal level - activate either turn signal.

Warning chime level - turn headlight switch to parking light position (not AUTO).

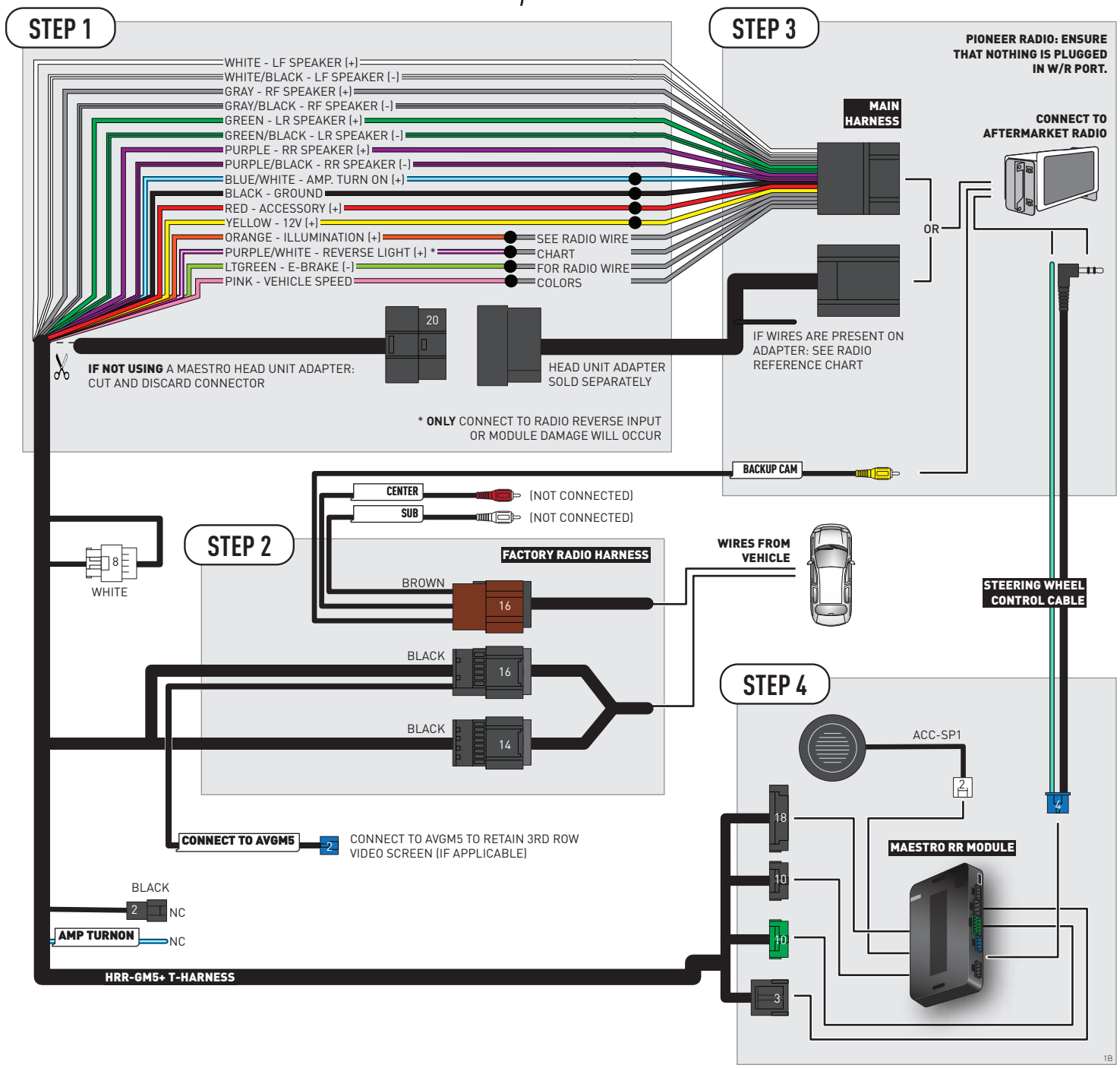
- Adjust volume using steering wheel volume up/down OR dimmer switch. If using dimmer switch, ensure headlight switch is NOT set to AUTO.

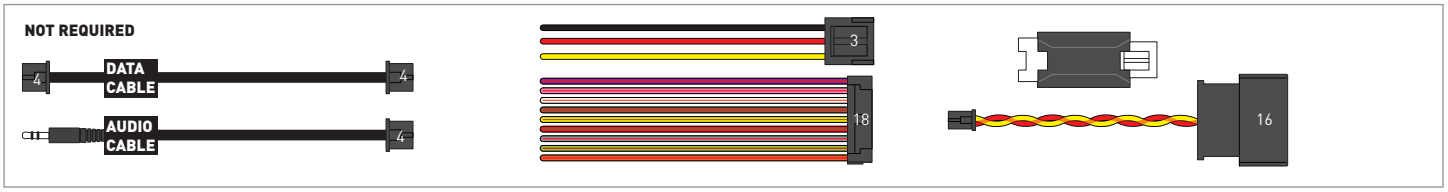
1

WIRING DIAGRAM *with an Amplifier*



WIRING DIAGRAM *without an Amplifier*





RADIO WIRE REFERENCE CHART

GM5+ (GM2) T-harness Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/ JVC cable	Wire Color on Pioneer cable	Wire Color on Sony cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light*	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A
Power Antenna	(+)	Blue	Blue	Blue	Blue/White	Blue or Blue/White

Head unit adapter wiring (optional accessory, sold separately)

ACC-HU-ALP1 Wire Description	Polarity	Wire Color on Adapter	Alpine Radio
VSS (vehicle speed sensor)	(DATA)	Green/White	Green/White

ACC-HU-KEN1 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
CAM	(+)	Green/Red	Refer to camera/radio manual
CAM	(-)	Green/White	Refer to camera/radio manual
Steering Wheel Controls	(DATA)	Blue/Yellow	Connect if no iDatalink 4-pin port on radio

ACC-HU-KEN2 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
E-Brake	(-)	LtGreen	LtGreen
Reverse Light*	(+)	Purple/White	Purple/White
Steering Wheel Controls	(DATA)	Blue/Yellow	Connect if no iDatalink 4-pin port on radio

* Reverse light wire: Only connect to radio or module damage will occur.

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 (RR2) Bluetooth activity	LED STATUS	DIAGNOSTIC
● or ●		RED or GREEN flashing	LED flashes 1 or more times, either red or green, **when a steering wheel button is pressed** : normal operation.
●		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do NOT use DEMO MODE.
●		1 GREEN flash	After radio boots up : Normal operation.
	●	3 GREEN flashes	Bluetooth is activated. Turns off after one minute: Normal operation.
●	●	OFF	Normal operation (inactive).

VIDEO HELP		Installation, product information, vehicle specific videos.
VERIFY FLASH		Last flash information, steering control configuration, vehicle information.
WEBLINK		Software to program module.

TROUBLESHOOTING TABLE P1 /2

PROBLEM	SOLUTION
Steering wheel controls do not work but LED on the Maestro does blink when steering wheel buttons are pressed.	Ensure the blue 4-pin steering wheel control cable is connected between the Maestro and the radio. The radio will use either the 3.5mm jack OR the blue/yellow wire, not both. Connect the 3.5mm jack from the Maestro blue 4-pin cable to the radio's 3.5mm port (labeled steering, remote, or wheel). If no such port exists, wire the blue/yellow to blue/yellow (Kenwood/JVC) or to the radio's Key 1 wire (brands not listed/other) and secure the 3.5mm jack. It will not be used. Verify the buttons are set up in the flash. If any button is set to "none" for "press once", it will do nothing. "Hold" column can be left as none and the "press once" function will operate with one press and when holding the button. Refer to radio's owner's manual to verify if the radio has this function: • JVC/Kenwood : Steering Wheel Control (ON/OFF): choose ON • Nakamichi : if model is listed, ensure PAC mode is on. If "other", learn the buttons in the radio steering wheel menu. • Sony : Steering Wheel Control (Custom/Preset): choose Preset. If phone buttons do not operate properly, flash the module as Pioneer – 2009 and newer with BT. Then select "custom" instead of "preset" and learn the buttons in the radio menu. • Other brands – radio should have a steering wheel menu to learn the buttons. You may have to select type A/B/C/1/2/3 and try learning again if buttons are not saving. Refer to radio manufacturer's tech support for further advice if not learning properly.
Radio does not turn on.	Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.
No sound from OnStar and/or no warning or turn signal chimes.	Plug the chime speaker in. Only turn signal chimes not working - verify "Turn Signal Reminder" is set to "Click in speaker" when programming the Maestro module. Chimes not working, but OnStar is - If vehicle was factory amplified and is now bypassed, ensure "Factory Amplifier" is turned off on the "Select how to configure your system" page when programming the Maestro module.
No sound from the Bose system (If equipped).	Make sure the amplifier turn on wire (Blue/White) of the T-Harness is connected to the radio's amplifier turn on wire. When flashing the Maestro make sure that the Amplifier in OEM Systems to Retain is selected. Make sure the RCA's are connected to the radio or the speaker wires are connected depending on your installation method.
Audio is very quiet or very loud.	Non amplified vehicles: ensure the AMP adapter is NOT plugged in between the white 8 pin plugs. Amplified vehicles: ensure the AMP adapter IS plugged in between the white 8 pin plugs.
(Vehicle using a GM2 harness only) Backup camera is not working and displays a black screen on radio when in reverse.	Ensure the 2-pin yellow plug is connected as shown on the diagram.
The light on the Maestro is flashing **RED ONCE**.	There is no firmware on the module; flash the RR module. DO NOT use demo mode.

TROUBLESHOOTING TABLE P2 /2

MAESTRO RR RESET PROCEDURE:

Turn the key to the OFF position, then disconnect all connectors from the module.
Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).
Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds to show the reset was successful.

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

IMPORTANT: To ensure proper operation, the aftermarket radio needs to have the latest firmware from the manufacturer. Please visit the radio manufacturer's website and look for any updates pertaining to your radio.

INSTALL GUIDE

2006-2011
BUICK LUCERNE

RETAINS STEERING WHEEL CONTROLS, ONSTAR, BLUETOOTH AND MORE!



PRODUITS REQUIS
Interface de remplacement d'autoradio: iDatalink Maestro RR ou RR2
Câblage : iDatalink Maestro HRR-GM5+

PROGRAMMED FIRMWARE
ADS-RR(SR)-GM05-AS

ADDITIONAL RESOURCES
Maestro RR2 Programmable Outputs Guide

OPTIONAL ACCESSORIES

ACC-SP1

HEAD UNIT ADAPTER:
ACC-HU-PIO1, SON1, KEN1, KEN2, ALP1

NOTICE: Automotive Data Solutions Inc. (ADS) recommends having this installation performed by a certified technician. Logos and trademarks used here in are the properties of their respective owners.

WELCOME

Congratulations on the purchase of your iDatalink Maestro RR Radio replacement solution. You are now a few simple steps away from enjoying your new car radio with enhanced features.

Before starting your installation, please ensure that your iDatalink Maestro module is programmed with the correct firmware for your vehicle and that you carefully review the install guide.

Please note that Maestro RR will only retain functionalities that were originally available in the vehicle.

TABLE OF CONTENTS

Before Installing	3
Installation Instructions	4
Wiring Diagram with an Amplifier	5
Wiring Diagram without an Amplifier	6
Radio Wire Reference Chart	7
Module Diagnostics	8
Troubleshooting Table	9

NEED HELP?

1 866 427-2999

maestro.support@idatalink.com

BEFORE INSTALLING P1 /1

STEP 1

DETERMINE IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

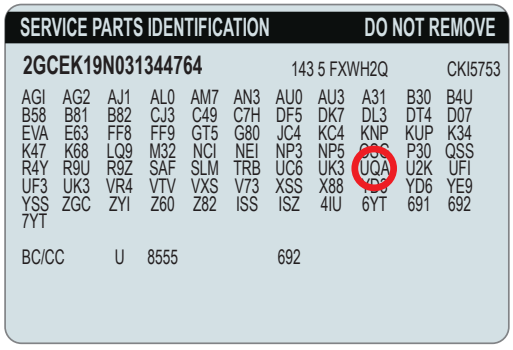
METHOD 1: Look for the following logos in the vehicle. They are usually on the speaker covers or on the radio unit. If you find any of the following logos Bose, Pioneer or Monsoon, you have a factory amplifier.

BOSE

Pioneer

MONSOON

METHOD 2: Look for the following sticker in the glove box. This sticker will indicate all the Regular Production Option (RPO) codes. If you find any of the following codes UQA, UQS or UQG, you have a factory amplifier.


SERVICE PARTS IDENTIFICATION DO NOT REMOVE

2GCEK19N031344764 143 5 FXWH2Q CKI5753

AGI	AG2	AJ1	AL0	AM7	AN3	AU0	AU3	A31	B30	B4U
B58	B81	B82	CJ3	C49	C7H	DF5	DK7	DL3	DT4	D07
EVA	E63	FF8	FF9	GT5	G80	JC4	KC4	KNP	KUP	K34
K47	K68	LQ9	M32	NCI	NEI	NP3	NP5	QQS	P30	QSS
R4Y	R9U	R9Z	SAF	SLM	TRB	UC6	UK3	UQA	U2K	UFI
UF3	UK3	VR4	VTV	VXS	V73	XSS	X88	YD5	YD6	YE9
YSS	ZGC	ZYI	Z60	Z82	ISS	ISZ	4IU	6YT	691	692
7YT										

BC/CC U 8555 692

STEP 2

IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **with an amplifier** and read the "**AMPLIFIER ONLY**" note to determine if you should use rca's or level matching circuits.

IF YOUR VEHICLE NOT IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **without an amplifier**.

Automotive Data Solutions Inc. © 2023

INSTALLATION INSTRUCTIONS P1/1

STEP 1

Remove the factory radio

If using head unit adapter (sold separately), connect HRR-GM5+ harness to adapter and skip to step 2.

- Unbox the aftermarket radio and locate its main harness.
- Cut and remove the black 20 pin connector from the HRR-GM5+ T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the HRR-GM5+ T-harness and match the wire functions.

  Note: only connect purple/white wire to radio reverse input or module damage will occur.

STEP 2

- Connect the factory harness to the HRR-GM5+ T-harness.
- Without AMP: Ensure that the WHITE 8 pin plugs are connected.
- With AMP: Connect the HRR-GM5+ 8 pin WHITE connectors to the AMP adapter.

STEP 3

- Plug the harnesses into the aftermarket radio.
- Connect the backup camera RCA cable into the aftermarket radio.
- With AMP: Connect the Center and SUB RCA cables.
- Plug the steering wheel control cable into the aftermarket radio.

STEP 4

- Connect the ACC-SP1 speaker to Maestro module.
- Connect all the harnesses to the Maestro RR module then test your installation.

OnStar, turn signal volume, or warning chime adjust:

- Turn ignition (IGN) on
- Open driver's door

Select to adjust:

OnStar level - Press OnStar button.

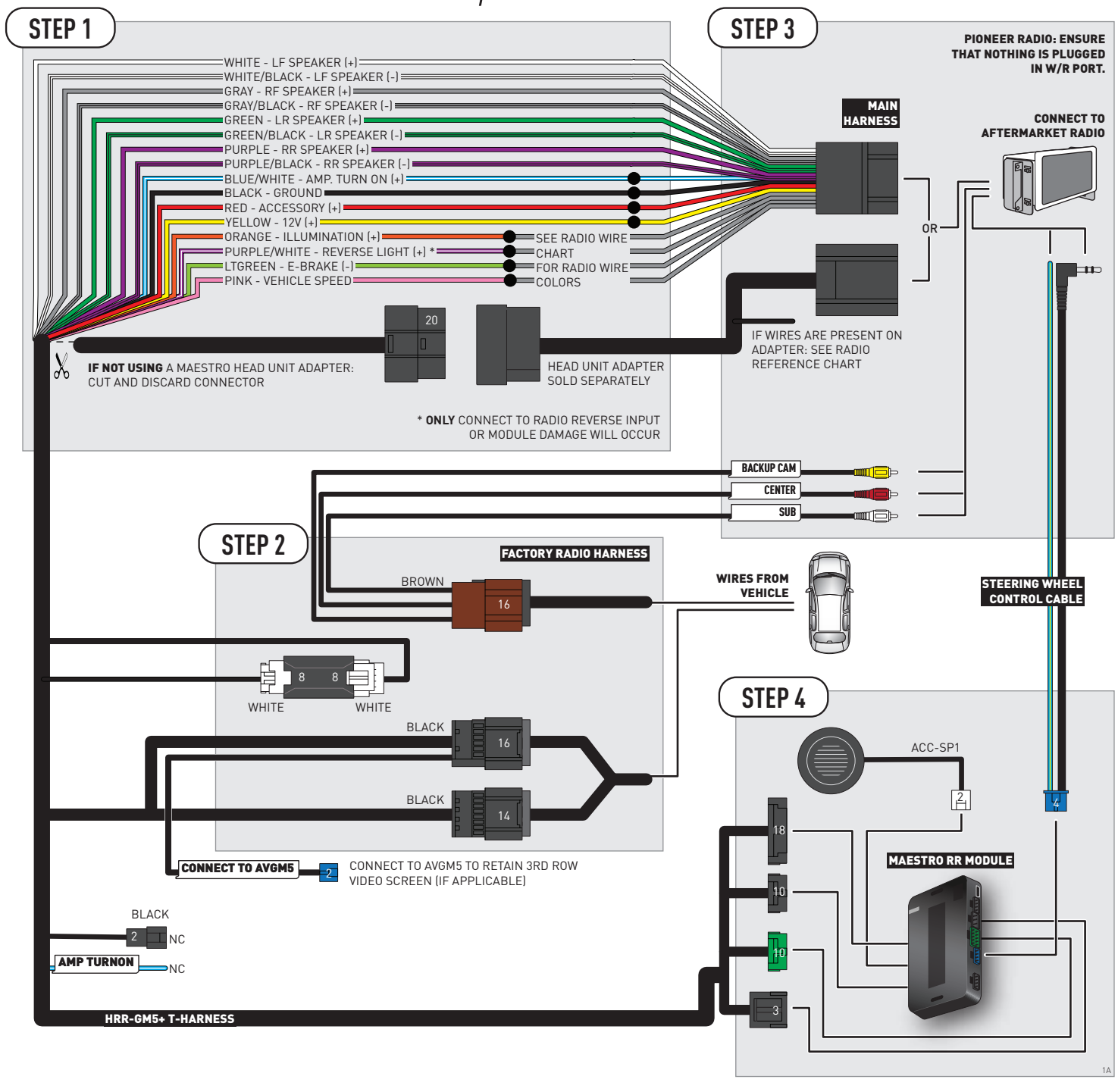
Turn signal level - activate either turn signal.

Warning chime level - turn headlight switch to parking light position (not AUTO).

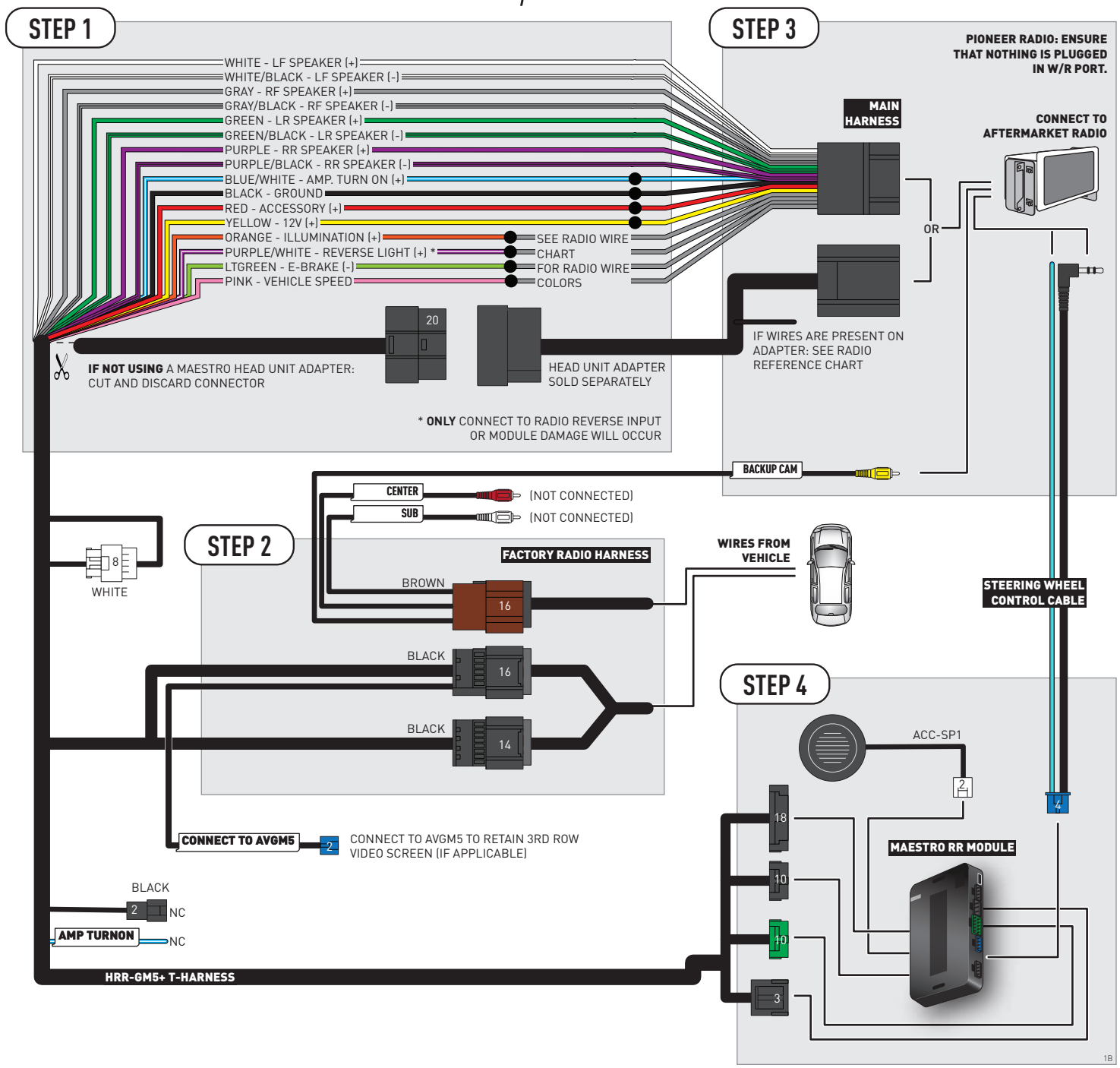
- Adjust volume using steering wheel volume up/down OR dimmer switch. If using dimmer switch, ensure headlight switch is NOT set to AUTO.

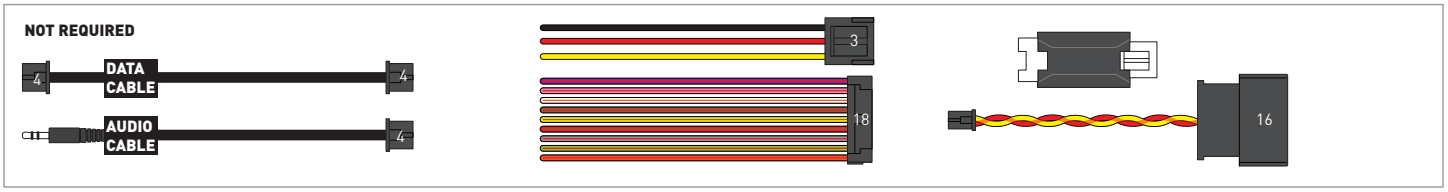
1

WIRING DIAGRAM *with an Amplifier*



WIRING DIAGRAM *without an Amplifier*





RADIO WIRE REFERENCE CHART

GM5+ (GM2) T-harness Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/ JVC cable	Wire Color on Pioneer cable	Wire Color on Sony cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light*	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A
Power Antenna	(+)	Blue	Blue	Blue	Blue/White	Blue or Blue/White

Head unit adapter wiring (optional accessory, sold separately)

ACC-HU-ALP1 Wire Description	Polarity	Wire Color on Adapter	Alpine Radio
VSS (vehicle speed sensor)	(DATA)	Green/White	Green/White

ACC-HU-KEN1 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
CAM	(+)	Green/Red	Refer to camera/radio manual
CAM	(-)	Green/White	Refer to camera/radio manual
Steering Wheel Controls	(DATA)	Blue/Yellow	Connect if no iDatalink 4-pin port on radio

ACC-HU-KEN2 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
E-Brake	(-)	LtGreen	LtGreen
Reverse Light*	(+)	Purple/White	Purple/White
Steering Wheel Controls	(DATA)	Blue/Yellow	Connect if no iDatalink 4-pin port on radio

* Reverse light wire: Only connect to radio or module damage will occur.

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 (RR2) Bluetooth activity	LED STATUS	DIAGNOSTIC
● or ●		RED or GREEN flashing	LED flashes 1 or more times, either red or green, **when a steering wheel button is pressed** : normal operation.
●		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do NOT use DEMO MODE.
●		1 GREEN flash	After radio boots up : Normal operation.
	●	3 GREEN flashes	Bluetooth is activated. Turns off after one minute: Normal operation.
●	●	OFF	Normal operation (inactive).

VIDEO HELP		Installation, product information, vehicle specific videos.
VERIFY FLASH		Last flash information, steering control configuration, vehicle information.
WEBLINK		Software to program module.

TROUBLESHOOTING TABLE P1 /2

PROBLEM	SOLUTION
Steering wheel controls do not work but LED on the Maestro does blink when steering wheel buttons are pressed.	Ensure the blue 4-pin steering wheel control cable is connected between the Maestro and the radio. The radio will use either the 3.5mm jack OR the blue/yellow wire, not both. Connect the 3.5mm jack from the Maestro blue 4-pin cable to the radio's 3.5mm port (labeled steering, remote, or wheel). If no such port exists, wire the blue/yellow to blue/yellow (Kenwood/JVC) or to the radio's Key 1 wire (brands not listed/other) and secure the 3.5mm jack. It will not be used. Verify the buttons are set up in the flash. If any button is set to "none" for "press once", it will do nothing. "Hold" column can be left as none and the "press once" function will operate with one press and when holding the button. Refer to radio's owner's manual to verify if the radio has this function: • JVC/Kenwood : Steering Wheel Control (ON/OFF): choose ON • Nakamichi : if model is listed, ensure PAC mode is on. If "other", learn the buttons in the radio steering wheel menu. • Sony : Steering Wheel Control (Custom/Preset): choose Preset. If phone buttons do not operate properly, flash the module as Pioneer – 2009 and newer with BT. Then select "custom" instead of "preset" and learn the buttons in the radio menu. • Other brands – radio should have a steering wheel menu to learn the buttons. You may have to select type A/B/C/1/2/3 and try learning again if buttons are not saving. Refer to radio manufacturer's tech support for further advice if not learning properly.
Radio does not turn on.	Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.
No sound from OnStar and/or no warning or turn signal chimes.	Plug the chime speaker in. Only turn signal chimes not working - verify "Turn Signal Reminder" is set to "Click in speaker" when programming the Maestro module. Chimes not working, but OnStar is - If vehicle was factory amplified and is now bypassed, ensure "Factory Amplifier" is turned off on the "Select how to configure your system" page when programming the Maestro module.
No sound from the Bose system (If equipped).	Make sure the amplifier turn on wire (Blue/White) of the T-Harness is connected to the radio's amplifier turn on wire. When flashing the Maestro make sure that the Amplifier in OEM Systems to Retain is selected. Make sure the RCA's are connected to the radio or the speaker wires are connected depending on your installation method.
Audio is very quiet or very loud.	Non amplified vehicles: ensure the AMP adapter is NOT plugged in between the white 8 pin plugs. Amplified vehicles: ensure the AMP adapter IS plugged in between the white 8 pin plugs.
(Vehicle using a GM2 harness only) Backup camera is not working and displays a black screen on radio when in reverse.	Ensure the 2-pin yellow plug is connected as shown on the diagram.
The light on the Maestro is flashing **RED ONCE**.	There is no firmware on the module; flash the RR module. DO NOT use demo mode.

TROUBLESHOOTING TABLE P2 /2

MAESTRO RR RESET PROCEDURE:

Turn the key to the OFF position, then disconnect all connectors from the module.
Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).
Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds to show the reset was successful.

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

IMPORTANT: To ensure proper operation, the aftermarket radio needs to have the latest firmware from the manufacturer. Please visit the radio manufacturer's website and look for any updates pertaining to your radio.

INSTALL GUIDE

2006-2011
CADILLAC DTS

RETAINS STEERING WHEEL CONTROLS, ONSTAR, BLUETOOTH AND MORE!



PRODUITS REQUIS
Interface de remplacement d'autoradio: iDatalink Maestro RR ou RR2
Câblage : iDatalink Maestro HRR-GM5+

PROGRAMMED FIRMWARE
ADS-RR(SR)-GM05-AS

ADDITIONAL RESOURCES
Maestro RR2 Programmable Outputs Guide

OPTIONAL ACCESSORIES

ACC-SP1

HEAD UNIT ADAPTER:
ACC-HU-PIO1, SON1, KEN1, KEN2, ALP1

NOTICE: Automotive Data Solutions Inc. (ADS) recommends having this installation performed by a certified technician. Logos and trademarks used here in are the properties of their respective owners.

WELCOME

Congratulations on the purchase of your iDatalink Maestro RR Radio replacement solution. You are now a few simple steps away from enjoying your new car radio with enhanced features.

Before starting your installation, please ensure that your iDatalink Maestro module is programmed with the correct firmware for your vehicle and that you carefully review the install guide.

Please note that Maestro RR will only retain functionalities that were originally available in the vehicle.

TABLE OF CONTENTS

Before Installing	3
Installation Instructions	4
Wiring Diagram with an Amplifier	5
Wiring Diagram without an Amplifier	6
Radio Wire Reference Chart	7
Module Diagnostics	8
Troubleshooting Table	9

NEED HELP?

1 866 427-2999

maestro.support@idatalink.com

BEFORE INSTALLING P1 /1

STEP 1

DETERMINE IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

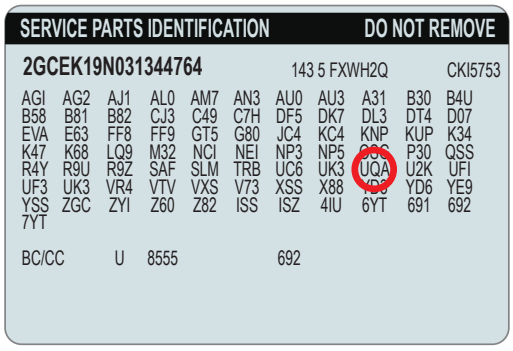
METHOD 1: Look for the following logos in the vehicle. They are usually on the speaker covers or on the radio unit. If you find any of the following logos Bose, Pioneer or Monsoon, you have a factory amplifier.

BOSE

Pioneer

MONSOON

METHOD 2: Look for the following sticker in the glove box. This sticker will indicate all the Regular Production Option (RPO) codes. If you find any of the following codes UQA, UQS or UQG, you have a factory amplifier.



STEP 2

IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **with an amplifier** and read the "**AMPLIFIER ONLY**" note to determine if you should use rca's or level matching circuits.

IF YOUR VEHICLE NOT IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **without an amplifier**.

Automotive Data Solutions Inc. © 2023

INSTALLATION INSTRUCTIONS P1/1

STEP 1

Remove the factory radio

If using head unit adapter (sold separately), connect HRR-GM5+ harness to adapter and skip to step 2.

- Unbox the aftermarket radio and locate its main harness.
- Cut and remove the black 20 pin connector from the HRR-GM5+ T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the HRR-GM5+ T-harness and match the wire functions.

  Note: only connect purple/white wire to radio reverse input or module damage will occur.

STEP 2

- Connect the factory harness to the HRR-GM5+ T-harness.
- Without AMP: Ensure that the WHITE 8 pin plugs are connected.
- With AMP: Connect the HRR-GM5+ 8 pin WHITE connectors to the AMP adapter.

STEP 3

- Plug the harnesses into the aftermarket radio.
- Connect the backup camera RCA cable into the aftermarket radio.
- With AMP: Connect the Center and SUB RCA cables.
- Plug the steering wheel control cable into the aftermarket radio.

STEP 4

- Connect the ACC-SP1 speaker to Maestro module.
- Connect all the harnesses to the Maestro RR module then test your installation.

OnStar, turn signal volume, or warning chime adjust:

- Turn ignition (IGN) on
- Open driver's door

Select to adjust:

OnStar level - Press OnStar button.

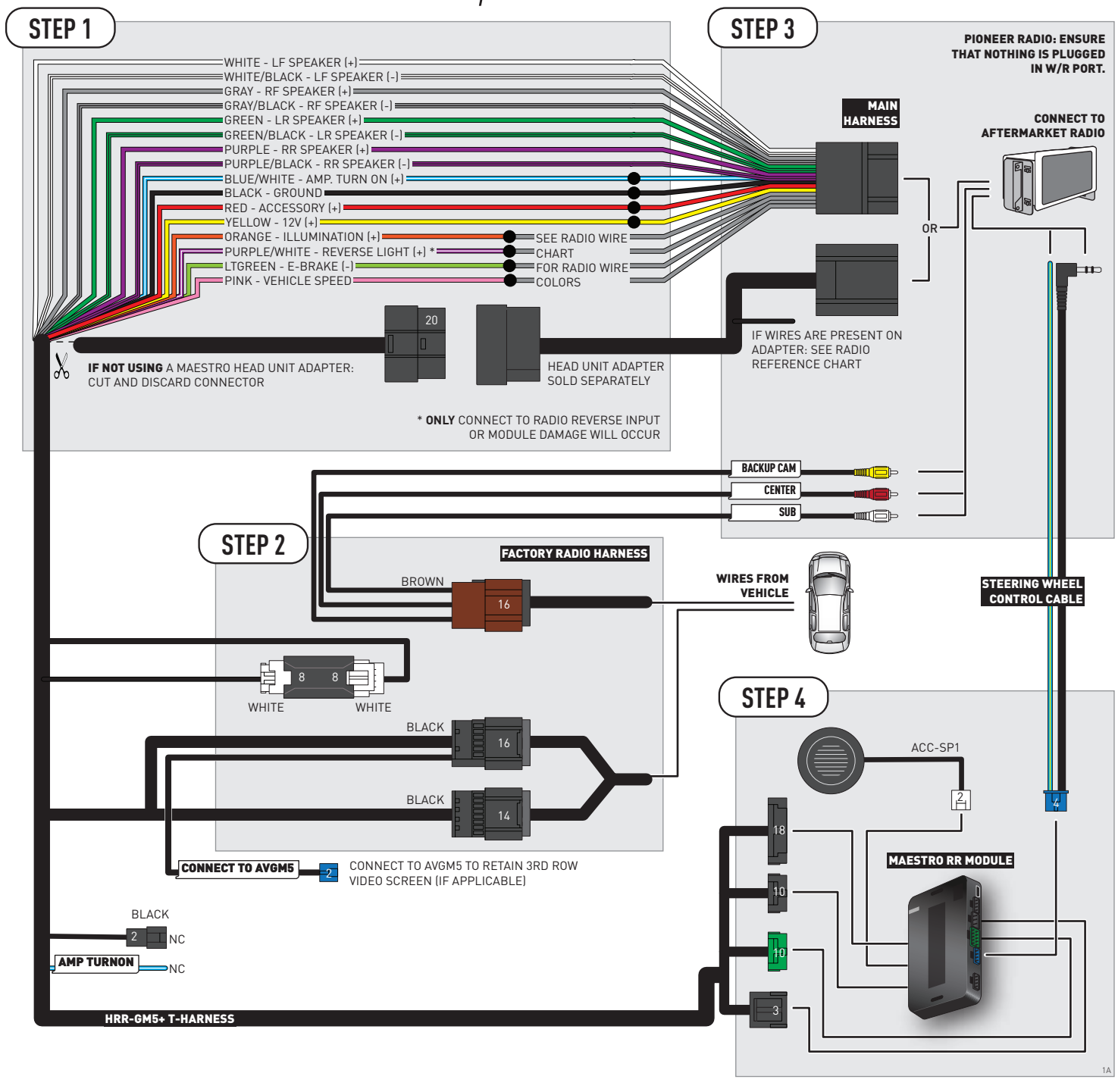
Turn signal level - activate either turn signal.

Warning chime level - turn headlight switch to parking light position (not AUTO).

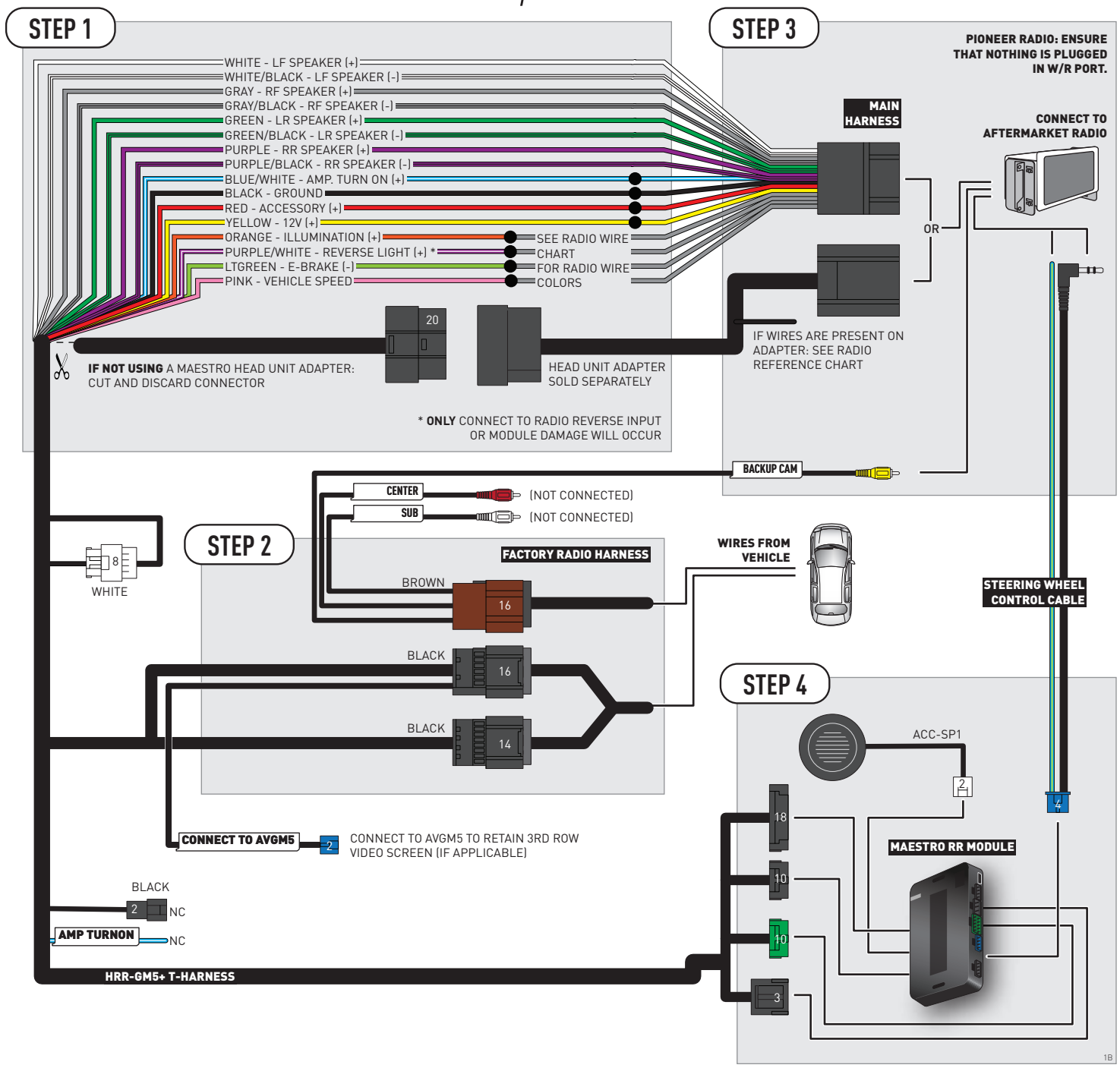
- Adjust volume using steering wheel volume up/down OR dimmer switch. If using dimmer switch, ensure headlight switch is NOT set to AUTO.

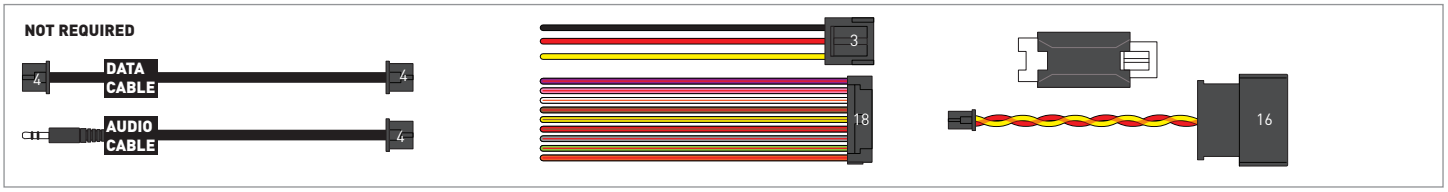
1

WIRING DIAGRAM *with an Amplifier*



WIRING DIAGRAM *without an Amplifier*





RADIO WIRE REFERENCE CHART

GM5+ (GM2) T-harness Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/ JVC cable	Wire Color on Pioneer cable	Wire Color on Sony cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light*	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A
Power Antenna	(+)	Blue	Blue	Blue	Blue/White	Blue or Blue/White

Head unit adapter wiring (optional accessory, sold separately)

ACC-HU-ALP1 Wire Description	Polarity	Wire Color on Adapter	Alpine Radio
VSS (vehicle speed sensor)	(DATA)	Green/White	Green/White

ACC-HU-KEN1 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
CAM	(+)	Green/Red	Refer to camera/radio manual
CAM	(-)	Green/White	Refer to camera/radio manual
Steering Wheel Controls	(DATA)	Blue/Yellow	Connect if no iDatalink 4-pin port on radio

ACC-HU-KEN2 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
E-Brake	(-)	LtGreen	LtGreen
Reverse Light*	(+)	Purple/White	Purple/White
Steering Wheel Controls	(DATA)	Blue/Yellow	Connect if no iDatalink 4-pin port on radio

* Reverse light wire: Only connect to radio or module damage will occur.

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 (RR2) Bluetooth activity	LED STATUS	DIAGNOSTIC
● or ●		RED or GREEN flashing	LED flashes 1 or more times, either red or green, **when a steering wheel button is pressed** : normal operation.
●		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do NOT use DEMO MODE.
●		1 GREEN flash	After radio boots up : Normal operation.
	●	3 GREEN flashes	Bluetooth is activated. Turns off after one minute: Normal operation.
●	●	OFF	Normal operation (inactive).

VIDEO HELP		Installation, product information, vehicle specific videos.
VERIFY FLASH		Last flash information, steering control configuration, vehicle information.
WEBLINK		Software to program module.

TROUBLESHOOTING TABLE P1 /2

PROBLEM	SOLUTION
Steering wheel controls do not work but LED on the Maestro does blink when steering wheel buttons are pressed.	Ensure the blue 4-pin steering wheel control cable is connected between the Maestro and the radio. The radio will use either the 3.5mm jack OR the blue/yellow wire, not both. Connect the 3.5mm jack from the Maestro blue 4-pin cable to the radio's 3.5mm port (labeled steering, remote, or wheel). If no such port exists, wire the blue/yellow to blue/yellow (Kenwood/JVC) or to the radio's Key 1 wire (brands not listed/other) and secure the 3.5mm jack. It will not be used. Verify the buttons are set up in the flash. If any button is set to "none" for "press once", it will do nothing. "Hold" column can be left as none and the "press once" function will operate with one press and when holding the button. Refer to radio's owner's manual to verify if the radio has this function: • JVC/Kenwood : Steering Wheel Control (ON/OFF): choose ON • Nakamichi : if model is listed, ensure PAC mode is on. If "other", learn the buttons in the radio steering wheel menu. • Sony : Steering Wheel Control (Custom/Preset): choose Preset. If phone buttons do not operate properly, flash the module as Pioneer – 2009 and newer with BT. Then select "custom" instead of "preset" and learn the buttons in the radio menu. • Other brands – radio should have a steering wheel menu to learn the buttons. You may have to select type A/B/C/1/2/3 and try learning again if buttons are not saving. Refer to radio manufacturer's tech support for further advice if not learning properly.
Radio does not turn on.	Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.
No sound from OnStar and/or no warning or turn signal chimes.	Plug the chime speaker in. Only turn signal chimes not working - verify "Turn Signal Reminder" is set to "Click in speaker" when programming the Maestro module. Chimes not working, but OnStar is - If vehicle was factory amplified and is now bypassed, ensure "Factory Amplifier" is turned off on the "Select how to configure your system" page when programming the Maestro module.
No sound from the Bose system (If equipped).	Make sure the amplifier turn on wire (Blue/White) of the T-Harness is connected to the radio's amplifier turn on wire. When flashing the Maestro make sure that the Amplifier in OEM Systems to Retain is selected. Make sure the RCA's are connected to the radio or the speaker wires are connected depending on your installation method.
Audio is very quiet or very loud.	Non amplified vehicles: ensure the AMP adapter is NOT plugged in between the white 8 pin plugs. Amplified vehicles: ensure the AMP adapter IS plugged in between the white 8 pin plugs.
(Vehicle using a GM2 harness only) Backup camera is not working and displays a black screen on radio when in reverse.	Ensure the 2-pin yellow plug is connected as shown on the diagram.
The light on the Maestro is flashing **RED ONCE**.	There is no firmware on the module; flash the RR module. DO NOT use demo mode.

TROUBLESHOOTING TABLE P2 /2

MAESTRO RR RESET PROCEDURE:

Turn the key to the OFF position, then disconnect all connectors from the module.
Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).
Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds to show the reset was successful.

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

IMPORTANT: To ensure proper operation, the aftermarket radio needs to have the latest firmware from the manufacturer. Please visit the radio manufacturer's website and look for any updates pertaining to your radio.

INSTALL GUIDE

2007-2008
CADILLAC ESCALADE

RETAINS STEERING WHEEL CONTROLS, ONSTAR, BLUETOOTH AND MORE!



PRODUITS REQUIS
Interface de remplacement d'autoradio: iDatalink Maestro RR ou RR2
Câblage : iDatalink Maestro HRR-GM5+

PROGRAMMED FIRMWARE
ADS-RR(SR)-GM05-AS

ADDITIONAL RESOURCES
Maestro RR2 Programmable Outputs Guide

OPTIONAL ACCESSORIES

ACC-SP1

HEAD UNIT ADAPTER:
ACC-HU-PIO1, SON1, KEN1, KEN2, ALP1

NOTICE: Automotive Data Solutions Inc. (ADS) recommends having this installation performed by a certified technician. Logos and trademarks used here in are the properties of their respective owners.

WELCOME

Congratulations on the purchase of your iDatalink Maestro RR Radio replacement solution. You are now a few simple steps away from enjoying your new car radio with enhanced features.

Before starting your installation, please ensure that your iDatalink Maestro module is programmed with the correct firmware for your vehicle and that you carefully review the install guide.

Please note that Maestro RR will only retain functionalities that were originally available in the vehicle.

TABLE OF CONTENTS

Before Installing	3
Installation Instructions	4
Wiring Diagram with an Amplifier	5
Wiring Diagram without an Amplifier	6
Radio Wire Reference Chart	7
Module Diagnostics	8
Troubleshooting Table	9

NEED HELP?

1 866 427-2999

maestro.support@idatalink.com

BEFORE INSTALLING P1 /1

STEP 1

DETERMINE IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

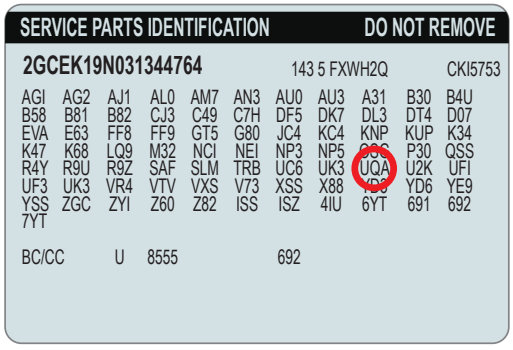
METHOD 1: Look for the following logos in the vehicle. They are usually on the speaker covers or on the radio unit. If you find any of the following logos Bose, Pioneer or Monsoon, you have a factory amplifier.

BOSE

Pioneer

MONSOON

METHOD 2: Look for the following sticker in the glove box. This sticker will indicate all the Regular Production Option (RPO) codes. If you find any of the following codes UQA, UQS or UQG, you have a factory amplifier.



STEP 2

IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **with an amplifier** and read the "**AMPLIFIER ONLY**" note to determine if you should use rca's or level matching circuits.

IF YOUR VEHICLE NOT IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **without an amplifier**.

Automotive Data Solutions Inc. © 2023

INSTALLATION INSTRUCTIONS P1/1

STEP 1

Remove the factory radio

If using head unit adapter (sold separately), connect HRR-GM5+ harness to adapter and skip to step 2.

- Unbox the aftermarket radio and locate its main harness.
- Cut and remove the black 20 pin connector from the HRR-GM5+ T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the HRR-GM5+ T-harness and match the wire functions.

  Note: only connect purple/white wire to radio reverse input or module damage will occur.

STEP 2

- Connect the factory harness to the HRR-GM5+ T-harness.
- Without AMP: Ensure that the WHITE 8 pin plugs are connected.
- With AMP: Connect the HRR-GM5+ 8 pin WHITE connectors to the AMP adapter.

STEP 3

- Plug the harnesses into the aftermarket radio.
- Connect the backup camera RCA cable into the aftermarket radio.
- With AMP: Connect the Center and SUB RCA cables.
- Plug the steering wheel control cable into the aftermarket radio.

STEP 4

- Connect the ACC-SP1 speaker to Maestro module.
- Connect all the harnesses to the Maestro RR module then test your installation.

OnStar, turn signal volume, or warning chime adjust:

- Turn ignition (IGN) on
- Open driver's door

Select to adjust:

OnStar level - Press OnStar button.

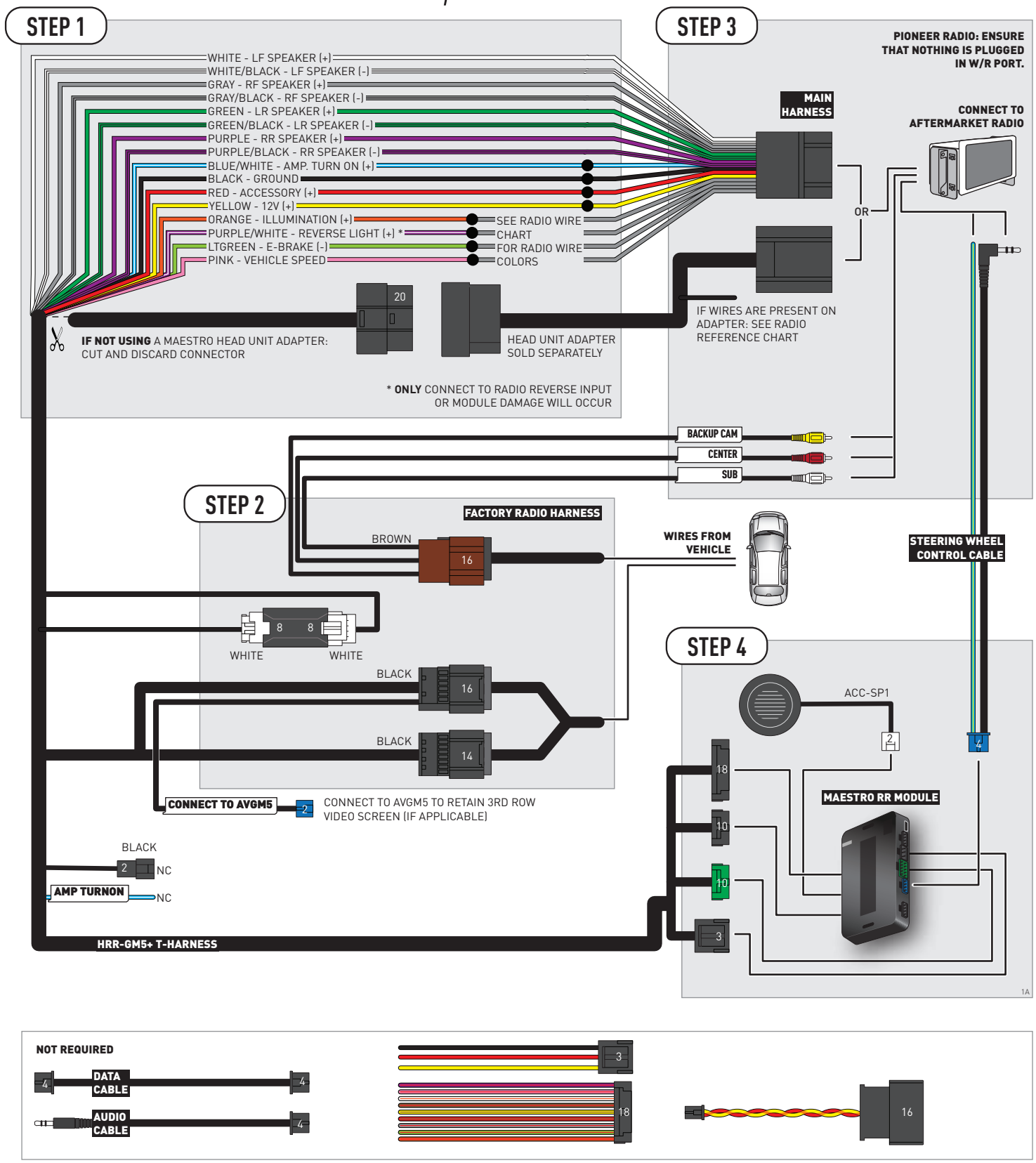
Turn signal level - activate either turn signal.

Warning chime level - turn headlight switch to parking light position (not AUTO).

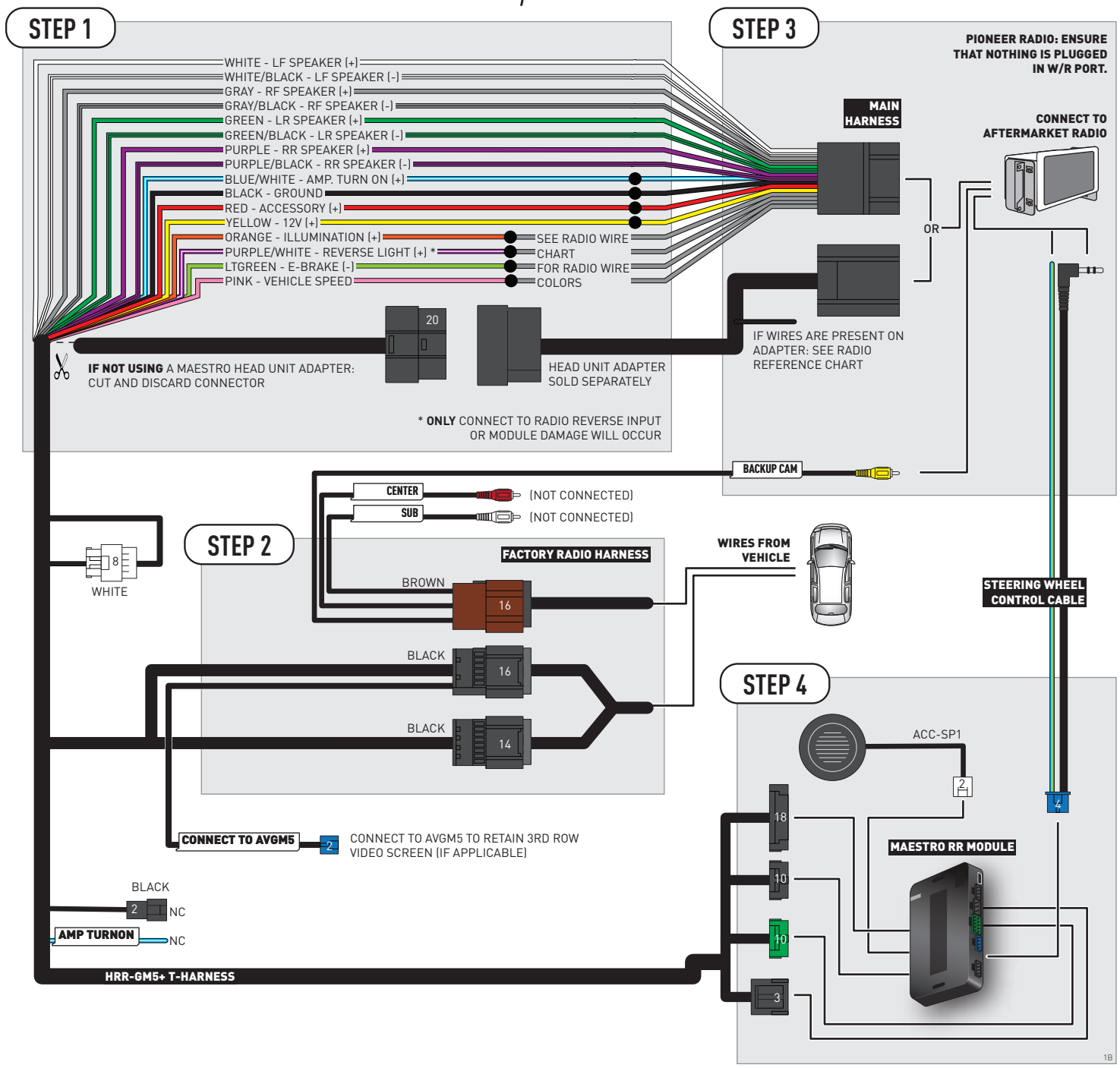
- Adjust volume using steering wheel volume up/down OR dimmer switch. If using dimmer switch, ensure headlight switch is NOT set to AUTO.

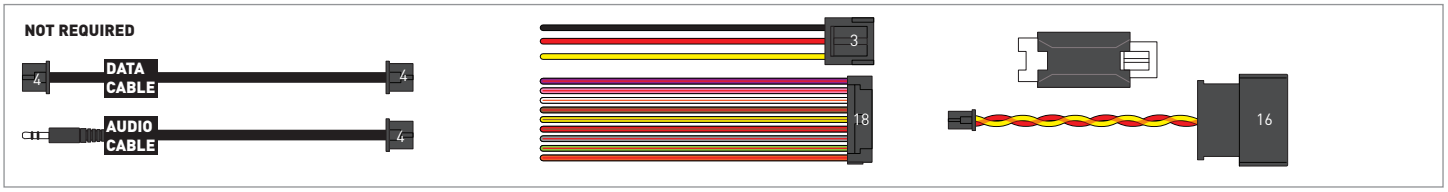
1

WIRING DIAGRAM *with an Amplifier*



WIRING DIAGRAM *without an Amplifier*





RADIO WIRE REFERENCE CHART

GM5+ (GM2) T-harness Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/ JVC cable	Wire Color on Pioneer cable	Wire Color on Sony cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light*	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A
Power Antenna	(+)	Blue	Blue	Blue	Blue/White	Blue or Blue/White

Head unit adapter wiring (optional accessory, sold separately)

ACC-HU-ALP1 Wire Description	Polarity	Wire Color on Adapter	Alpine Radio
VSS (vehicle speed sensor)	(DATA)	Green/White	Green/White

ACC-HU-KEN1 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
CAM	(+)	Green/Red	Refer to camera/radio manual
CAM	(-)	Green/White	Refer to camera/radio manual
Steering Wheel Controls	(DATA)	Blue/Yellow	Connect if no iDatalink 4-pin port on radio

ACC-HU-KEN2 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
E-Brake	(-)	LtGreen	LtGreen
Reverse Light*	(+)	Purple/White	Purple/White
Steering Wheel Controls	(DATA)	Blue/Yellow	Connect if no iDatalink 4-pin port on radio

* Reverse light wire: Only connect to radio or module damage will occur.

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 (RR2) Bluetooth activity	LED STATUS	DIAGNOSTIC
● or ●		RED or GREEN flashing	LED flashes 1 or more times, either red or green, **when a steering wheel button is pressed** : normal operation.
●		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do NOT use DEMO MODE.
●		1 GREEN flash	After radio boots up : Normal operation.
	●	3 GREEN flashes	Bluetooth is activated. Turns off after one minute: Normal operation.
●	●	OFF	Normal operation (inactive).

VIDEO HELP		Installation, product information, vehicle specific videos.
VERIFY FLASH		Last flash information, steering control configuration, vehicle information.
WEBLINK		Software to program module.

TROUBLESHOOTING TABLE P1 /2

PROBLEM	SOLUTION
Steering wheel controls do not work but LED on the Maestro does blink when steering wheel buttons are pressed.	Ensure the blue 4-pin steering wheel control cable is connected between the Maestro and the radio. The radio will use either the 3.5mm jack OR the blue/yellow wire, not both. Connect the 3.5mm jack from the Maestro blue 4-pin cable to the radio's 3.5mm port (labeled steering, remote, or wheel). If no such port exists, wire the blue/yellow to blue/yellow (Kenwood/JVC) or to the radio's Key 1 wire (brands not listed/other) and secure the 3.5mm jack. It will not be used. Verify the buttons are set up in the flash. If any button is set to "none" for "press once", it will do nothing. "Hold" column can be left as none and the "press once" function will operate with one press and when holding the button. Refer to radio's owner's manual to verify if the radio has this function: • JVC/Kenwood : Steering Wheel Control (ON/OFF): choose ON • Nakamichi : if model is listed, ensure PAC mode is on. If "other", learn the buttons in the radio steering wheel menu. • Sony : Steering Wheel Control (Custom/Preset): choose Preset. If phone buttons do not operate properly, flash the module as Pioneer – 2009 and newer with BT. Then select "custom" instead of "preset" and learn the buttons in the radio menu. • Other brands – radio should have a steering wheel menu to learn the buttons. You may have to select type A/B/C/1/2/3 and try learning again if buttons are not saving. Refer to radio manufacturer's tech support for further advice if not learning properly.
Radio does not turn on.	Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.
No sound from OnStar and/or no warning or turn signal chimes.	Plug the chime speaker in. Only turn signal chimes not working - verify "Turn Signal Reminder" is set to "Click in speaker" when programming the Maestro module. Chimes not working, but OnStar is - If vehicle was factory amplified and is now bypassed, ensure "Factory Amplifier" is turned off on the "Select how to configure your system" page when programming the Maestro module.
No sound from the Bose system (If equipped).	Make sure the amplifier turn on wire (Blue/White) of the T-Harness is connected to the radio's amplifier turn on wire. When flashing the Maestro make sure that the Amplifier in OEM Systems to Retain is selected. Make sure the RCA's are connected to the radio or the speaker wires are connected depending on your installation method.
Audio is very quiet or very loud.	Non amplified vehicles: ensure the AMP adapter is NOT plugged in between the white 8 pin plugs. Amplified vehicles: ensure the AMP adapter IS plugged in between the white 8 pin plugs.
(Vehicle using a GM2 harness only) Backup camera is not working and displays a black screen on radio when in reverse.	Ensure the 2-pin yellow plug is connected as shown on the diagram.
The light on the Maestro is flashing **RED ONCE**.	There is no firmware on the module; flash the RR module. DO NOT use demo mode.

TROUBLESHOOTING TABLE P2 /2

MAESTRO RR RESET PROCEDURE:

Turn the key to the OFF position, then disconnect all connectors from the module.
Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).
Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds to show the reset was successful.

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

IMPORTANT: To ensure proper operation, the aftermarket radio needs to have the latest firmware from the manufacturer. Please visit the radio manufacturer's website and look for any updates pertaining to your radio.

INSTALL GUIDE

2007-2008
CADILLAC ESCALADE ESV

RETAINS STEERING WHEEL CONTROLS, ONSTAR, BLUETOOTH AND MORE!



PRODUITS REQUIS
Interface de remplacement d'autoradio: iDatalink Maestro RR ou RR2
Câblage : iDatalink Maestro HRR-GM5+

PROGRAMMED FIRMWARE
ADS-RR(SR)-GM05-AS

ADDITIONAL RESOURCES
Maestro RR2 Programmable Outputs Guide

OPTIONAL ACCESSORIES

ACC-SP1

HEAD UNIT ADAPTER:
ACC-HU-PI01, S0N1, KEN1, KEN2, ALP1

NOTICE: Automotive Data Solutions Inc. (ADS) recommends having this installation performed by a certified technician. Logos and trademarks used here in are the properties of their respective owners.

WELCOME

Congratulations on the purchase of your iDatalink Maestro RR Radio replacement solution. You are now a few simple steps away from enjoying your new car radio with enhanced features.

Before starting your installation, please ensure that your iDatalink Maestro module is programmed with the correct firmware for your vehicle and that you carefully review the install guide.

Please note that Maestro RR will only retain functionalities that were originally available in the vehicle.

TABLE OF CONTENTS

Before Installing	3
Installation Instructions	4
Wiring Diagram with an Amplifier	5
Wiring Diagram without an Amplifier	6
Radio Wire Reference Chart	7
Module Diagnostics	8
Troubleshooting Table	9

NEED HELP?

1 866 427-2999

maestro.support@idatalink.com

BEFORE INSTALLING P1 /1

STEP 1

DETERMINE IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

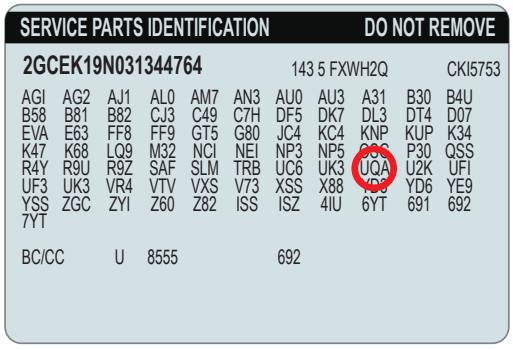
METHOD 1: Look for the following logos in the vehicle. They are usually on the speaker covers or on the radio unit. If you find any of the following logos Bose, Pioneer or Monsoon, you have a factory amplifier.

BOSE

Pioneer

MONSOON

METHOD 2: Look for the following sticker in the glove box. This sticker will indicate all the Regular Production Option (RPO) codes. If you find any of the following codes UQA, UQS or UQG, you have a factory amplifier.



STEP 2

IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **with an amplifier** and read the "**AMPLIFIER ONLY**" note to determine if you should use rca's or level matching circuits.

IF YOUR VEHICLE NOT IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **without an amplifier**.

Automotive Data Solutions Inc. © 2023

INSTALLATION INSTRUCTIONS P1/1

STEP 1

Remove the factory radio

If using head unit adapter (sold separately), connect HRR-GM5+ harness to adapter and skip to step 2.

- Unbox the aftermarket radio and locate its main harness.
- Cut and remove the black 20 pin connector from the HRR-GM5+ T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the HRR-GM5+ T-harness and match the wire functions.

  Note: only connect purple/white wire to radio reverse input or module damage will occur.

STEP 2

- Connect the factory harness to the HRR-GM5+ T-harness.
- Without AMP: Ensure that the WHITE 8 pin plugs are connected.
- With AMP: Connect the HRR-GM5+ 8 pin WHITE connectors to the AMP adapter.

STEP 3

- Plug the harnesses into the aftermarket radio.
- Connect the backup camera RCA cable into the aftermarket radio.
- With AMP: Connect the Center and SUB RCA cables.
- Plug the steering wheel control cable into the aftermarket radio.

STEP 4

- Connect the ACC-SP1 speaker to Maestro module.
- Connect all the harnesses to the Maestro RR module then test your installation.

OnStar, turn signal volume, or warning chime adjust:

- Turn ignition (IGN) on
- Open driver's door

Select to adjust:

OnStar level - Press OnStar button.

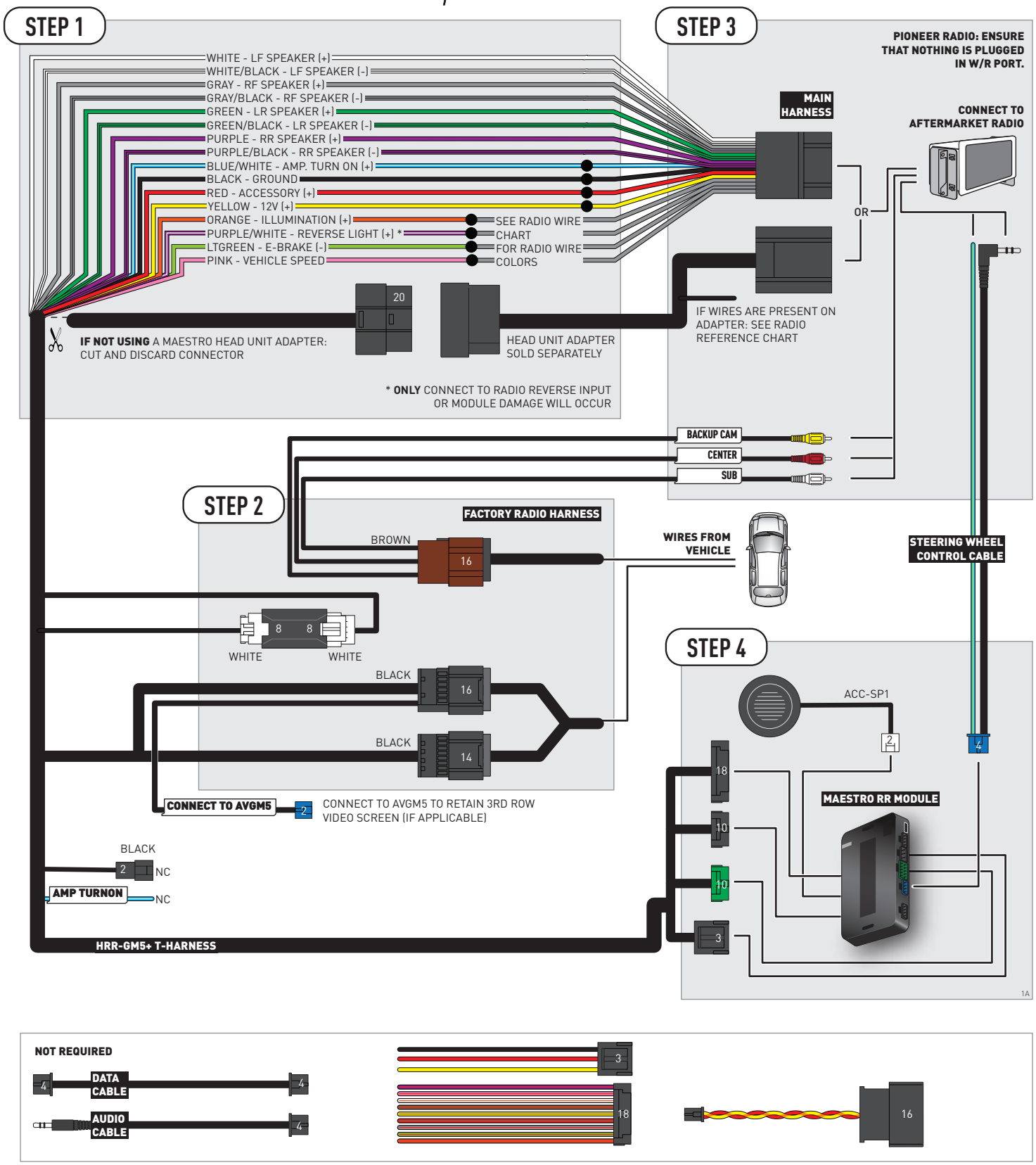
Turn signal level - activate either turn signal.

Warning chime level - turn headlight switch to parking light position (not AUTO).

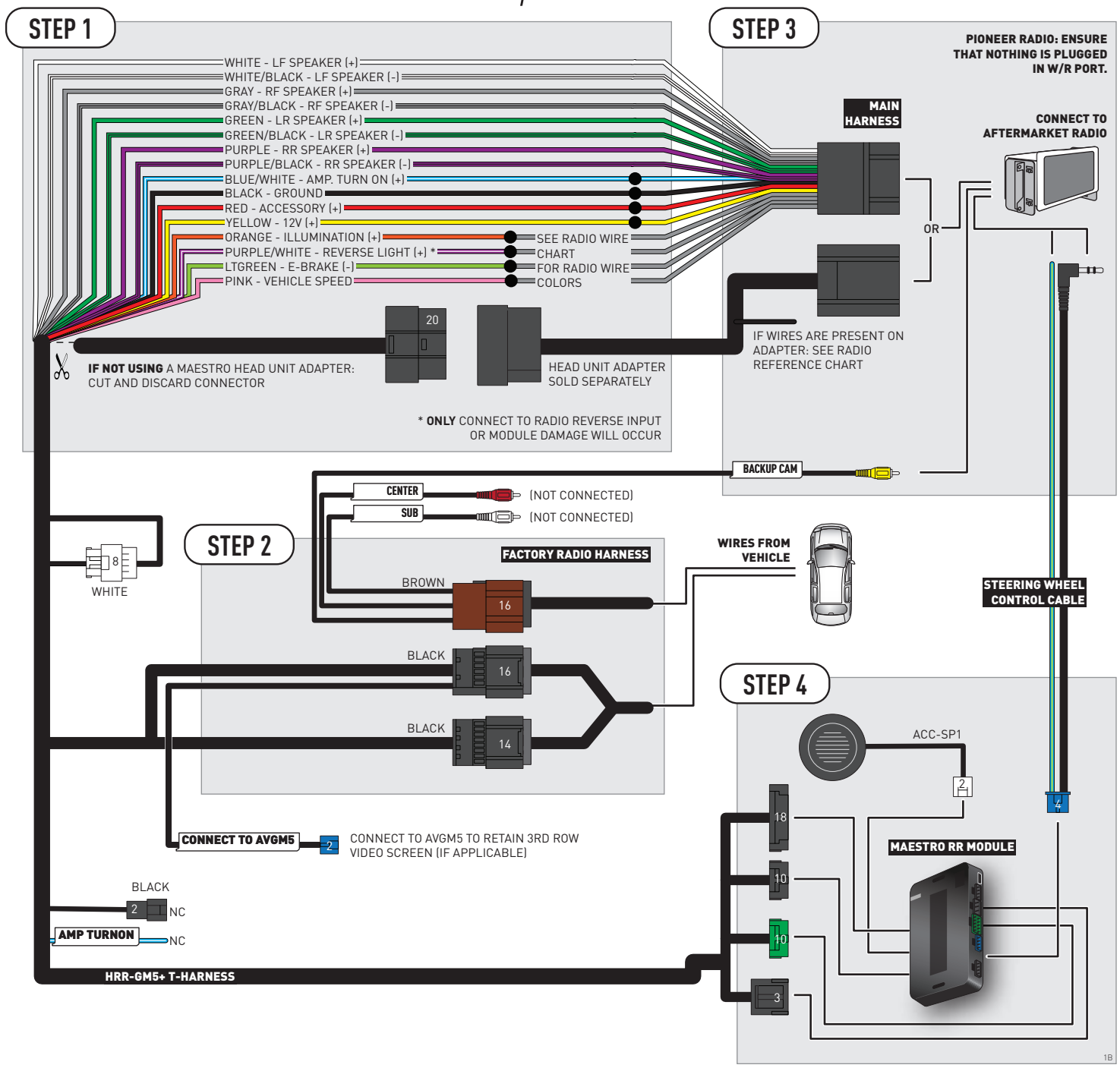
- Adjust volume using steering wheel volume up/down OR dimmer switch. If using dimmer switch, ensure headlight switch is NOT set to AUTO.

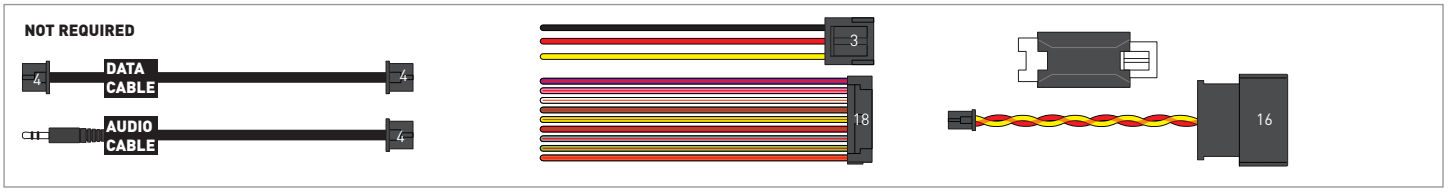
1

WIRING DIAGRAM *with an Amplifier*



WIRING DIAGRAM *without an Amplifier*





RADIO WIRE REFERENCE CHART

GM5+ (GM2) T-harness Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/ JVC cable	Wire Color on Pioneer cable	Wire Color on Sony cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light*	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A
Power Antenna	(+)	Blue	Blue	Blue	Blue/White	Blue or Blue/White

Head unit adapter wiring (optional accessory, sold separately)

ACC-HU-ALP1 Wire Description	Polarity	Wire Color on Adapter	Alpine Radio
VSS (vehicle speed sensor)	(DATA)	Green/White	Green/White

ACC-HU-KEN1 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
CAM	(+)	Green/Red	Refer to camera/radio manual
CAM	(-)	Green/White	Refer to camera/radio manual
Steering Wheel Controls	(DATA)	Blue/Yellow	Connect if no iDatalink 4-pin port on radio

ACC-HU-KEN2 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
E-Brake	(-)	LtGreen	LtGreen
Reverse Light*	(+)	Purple/White	Purple/White
Steering Wheel Controls	(DATA)	Blue/Yellow	Connect if no iDatalink 4-pin port on radio

* Reverse light wire: Only connect to radio or module damage will occur.

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 (RR2) Bluetooth activity	LED STATUS	DIAGNOSTIC
● or ●		RED or GREEN flashing	LED flashes 1 or more times, either red or green, **when a steering wheel button is pressed** : normal operation.
●		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do NOT use DEMO MODE.
●		1 GREEN flash	After radio boots up : Normal operation.
	●	3 GREEN flashes	Bluetooth is activated. Turns off after one minute: Normal operation.
●	●	OFF	Normal operation (inactive).

VIDEO HELP		Installation, product information, vehicle specific videos.
VERIFY FLASH		Last flash information, steering control configuration, vehicle information.
WEBLINK		Software to program module.

TROUBLESHOOTING TABLE P1 /2

PROBLEM	SOLUTION
Steering wheel controls do not work but LED on the Maestro does blink when steering wheel buttons are pressed.	Ensure the blue 4-pin steering wheel control cable is connected between the Maestro and the radio. The radio will use either the 3.5mm jack OR the blue/yellow wire, not both. Connect the 3.5mm jack from the Maestro blue 4-pin cable to the radio's 3.5mm port (labeled steering, remote, or wheel). If no such port exists, wire the blue/yellow to blue/yellow (Kenwood/JVC) or to the radio's Key 1 wire (brands not listed/other) and secure the 3.5mm jack. It will not be used. Verify the buttons are set up in the flash. If any button is set to "none" for "press once", it will do nothing. "Hold" column can be left as none and the "press once" function will operate with one press and when holding the button. Refer to radio's owner's manual to verify if the radio has this function: • JVC/Kenwood : Steering Wheel Control (ON/OFF): choose ON • Nakamichi : if model is listed, ensure PAC mode is on. If "other", learn the buttons in the radio steering wheel menu. • Sony : Steering Wheel Control (Custom/Preset): choose Preset. If phone buttons do not operate properly, flash the module as Pioneer – 2009 and newer with BT. Then select "custom" instead of "preset" and learn the buttons in the radio menu. • Other brands – radio should have a steering wheel menu to learn the buttons. You may have to select type A/B/C/1/2/3 and try learning again if buttons are not saving. Refer to radio manufacturer's tech support for further advice if not learning properly.
Radio does not turn on.	Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.
No sound from OnStar and/or no warning or turn signal chimes.	Plug the chime speaker in. Only turn signal chimes not working - verify "Turn Signal Reminder" is set to "Click in speaker" when programming the Maestro module. Chimes not working, but OnStar is - If vehicle was factory amplified and is now bypassed, ensure "Factory Amplifier" is turned off on the "Select how to configure your system" page when programming the Maestro module.
No sound from the Bose system (If equipped).	Make sure the amplifier turn on wire (Blue/White) of the T-Harness is connected to the radio's amplifier turn on wire. When flashing the Maestro make sure that the Amplifier in OEM Systems to Retain is selected. Make sure the RCA's are connected to the radio or the speaker wires are connected depending on your installation method.
Audio is very quiet or very loud.	Non amplified vehicles: ensure the AMP adapter is NOT plugged in between the white 8 pin plugs. Amplified vehicles: ensure the AMP adapter IS plugged in between the white 8 pin plugs.
(Vehicle using a GM2 harness only) Backup camera is not working and displays a black screen on radio when in reverse.	Ensure the 2-pin yellow plug is connected as shown on the diagram.
The light on the Maestro is flashing **RED ONCE**.	There is no firmware on the module; flash the RR module. DO NOT use demo mode.

TROUBLESHOOTING TABLE P2 /2

MAESTRO RR RESET PROCEDURE:

Turn the key to the OFF position, then disconnect all connectors from the module.
Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).
Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds to show the reset was successful.

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

IMPORTANT: To ensure proper operation, the aftermarket radio needs to have the latest firmware from the manufacturer. Please visit the radio manufacturer's website and look for any updates pertaining to your radio.

INSTALL GUIDE

2009-2014
CADILLAC ESCALADE ESV
WITH NAV

RETAINS STEERING WHEEL CONTROLS, ONSTAR, BLUETOOTH AND MORE!



PRODUITS REQUIS
Interface de remplacement d'autoradio: iDatalink Maestro RR ou RR2
Câblage : iDatalink Maestro HRR-GM5+

PROGRAMMED FIRMWARE
ADS-RR(SR)-GM05-AS

ADDITIONAL RESOURCES
Maestro RR2 Programmable Outputs Guide

OPTIONAL ACCESSORIES

ACC-SP1

HEAD UNIT ADAPTER:
ACC-HU-PIO1, SON1, KEN1, KEN2, ALP1

NOTICE: Automotive Data Solutions Inc. (ADS) recommends having this installation performed by a certified technician. Logos and trademarks used here in are the properties of their respective owners.

WELCOME

Congratulations on the purchase of your iDatalink Maestro RR Radio replacement solution. You are now a few simple steps away from enjoying your new car radio with enhanced features.

Before starting your installation, please ensure that your iDatalink Maestro module is programmed with the correct firmware for your vehicle and that you carefully review the install guide.

Please note that Maestro RR will only retain functionalities that were originally available in the vehicle.

TABLE OF CONTENTS

Before Installing	3
Installation Instructions	4
Wiring Diagram with an Amplifier	5
Wiring Diagram without an Amplifier	6
Radio Wire Reference Chart	7
Module Diagnostics	8
Troubleshooting Table	9

NEED HELP?

1 866 427-2999

maestro.support@idatalink.com

BEFORE INSTALLING P1 /1

STEP 1

DETERMINE IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

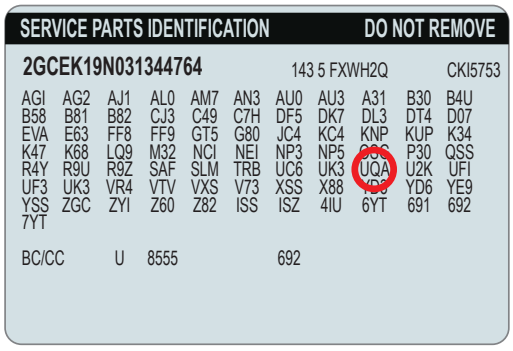
METHOD 1: Look for the following logos in the vehicle. They are usually on the speaker covers or on the radio unit. If you find any of the following logos Bose, Pioneer or Monsoon, you have a factory amplifier.

BOSE

Pioneer

MONSOON

METHOD 2: Look for the following sticker in the glove box. This sticker will indicate all the Regular Production Option (RPO) codes. If you find any of the following codes UQA, UQS or UQG, you have a factory amplifier.



STEP 2

IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **with an amplifier** and read the "**AMPLIFIER ONLY**" note to determine if you should use rca's or level matching circuits.

IF YOUR VEHICLE NOT IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **without an amplifier**.

Automotive Data Solutions Inc. © 2023

INSTALLATION INSTRUCTIONS P1/1

STEP 1

Remove the factory radio

If using head unit adapter (sold separately), connect HRR-GM5+ harness to adapter and skip to step 2.

- Unbox the aftermarket radio and locate its main harness.
- Cut and remove the black 20 pin connector from the HRR-GM5+ T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the HRR-GM5+ T-harness and match the wire functions.

  Note: only connect purple/white wire to radio reverse input or module damage will occur.

STEP 2

- Connect the factory harness to the HRR-GM5+ T-harness.
- Without AMP: Ensure that the WHITE 8 pin plugs are connected.
- With AMP: Connect the HRR-GM5+ 8 pin WHITE connectors to the AMP adapter.

STEP 3

- Plug the harnesses into the aftermarket radio.
- Connect the backup camera RCA cable into the aftermarket radio.
- With AMP: Connect the Center and SUB RCA cables.
- Plug the steering wheel control cable into the aftermarket radio.

STEP 4

- Connect the ACC-SP1 speaker to Maestro module.
- Connect all the harnesses to the Maestro RR module then test your installation.

OnStar, turn signal volume, or warning chime adjust:

- Turn ignition (IGN) on
- Open driver's door

Select to adjust:

OnStar level - Press OnStar button.

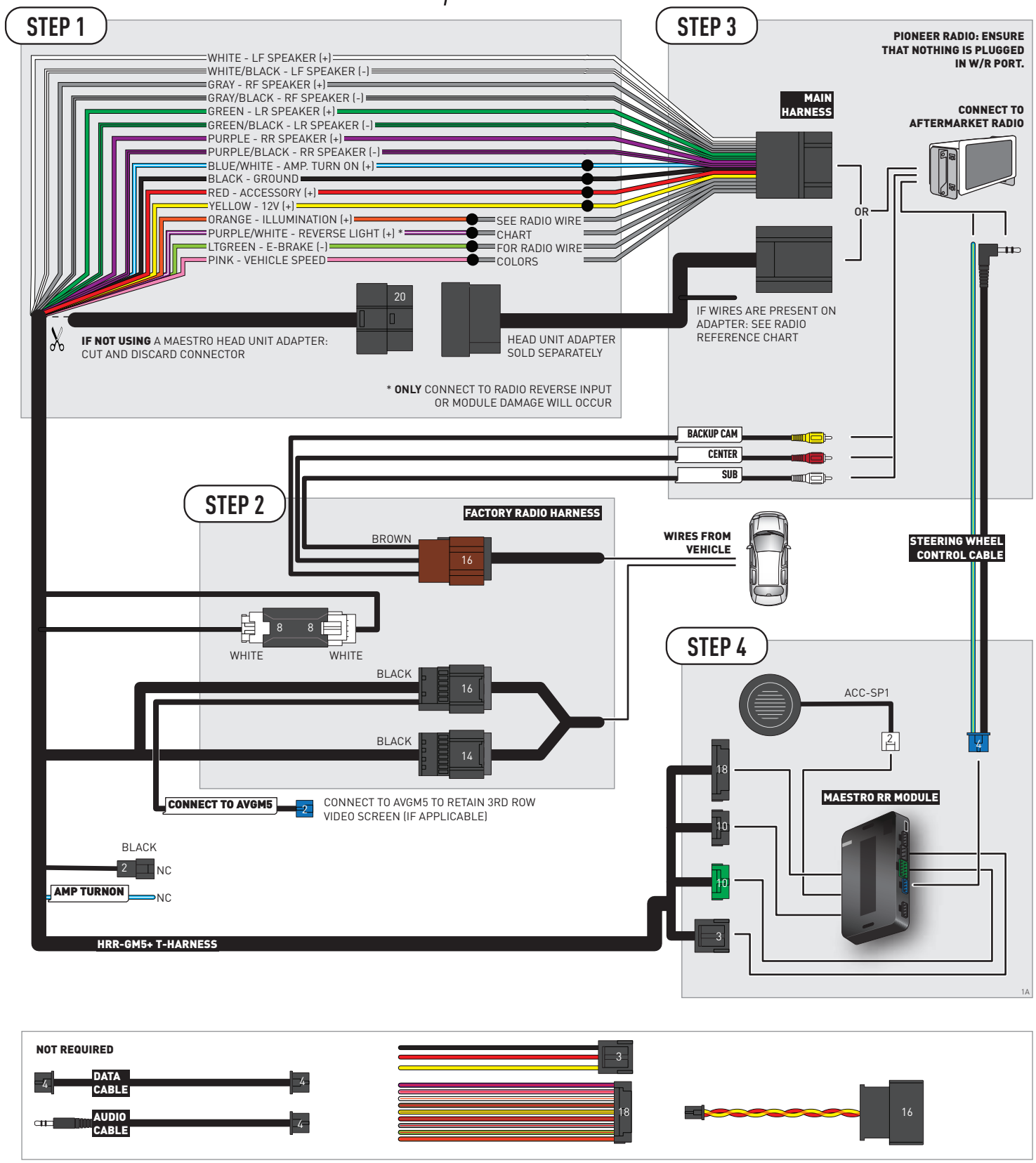
Turn signal level - activate either turn signal.

Warning chime level - turn headlight switch to parking light position (not AUTO).

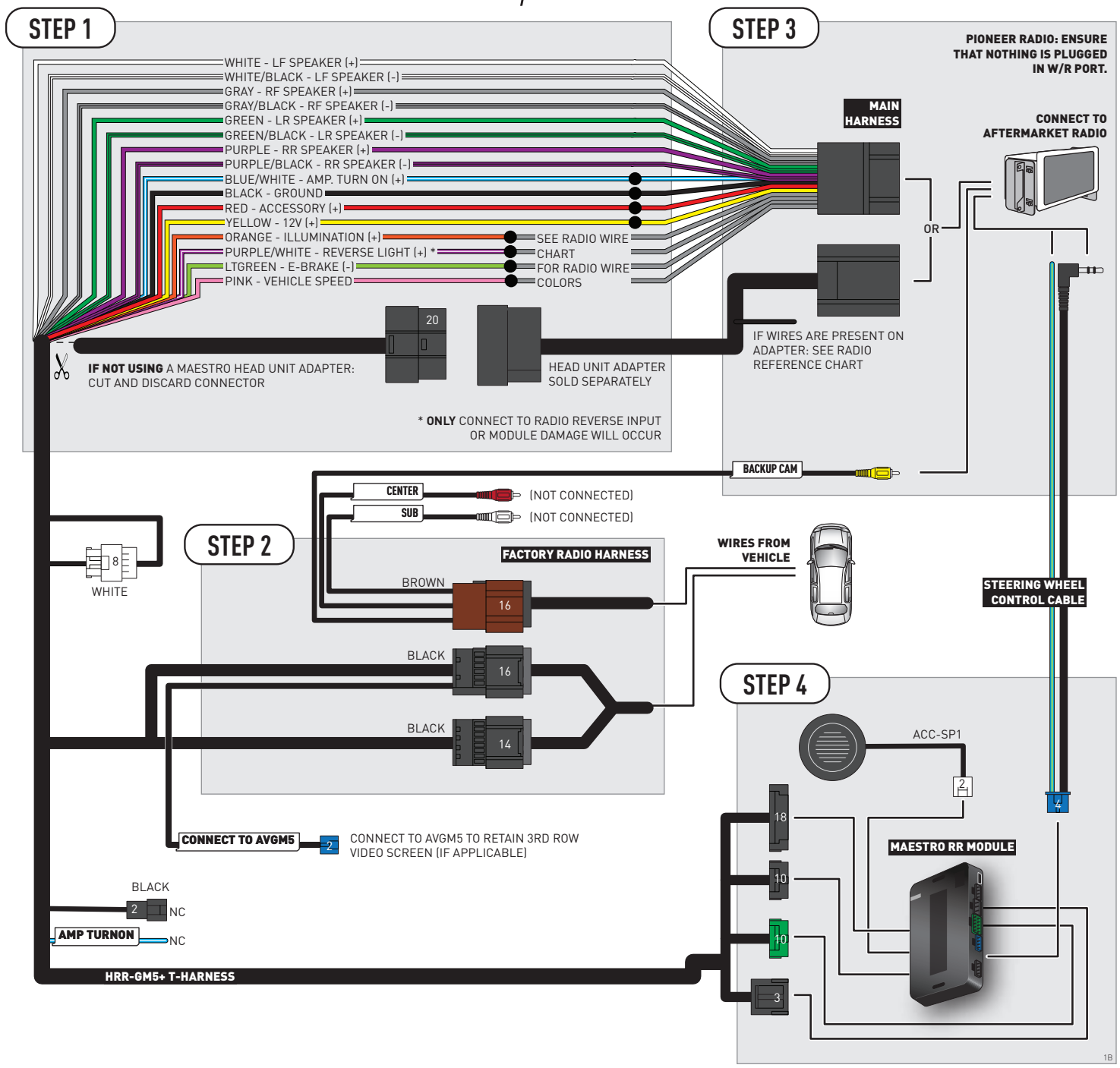
- Adjust volume using steering wheel volume up/down OR dimmer switch. If using dimmer switch, ensure headlight switch is NOT set to AUTO.

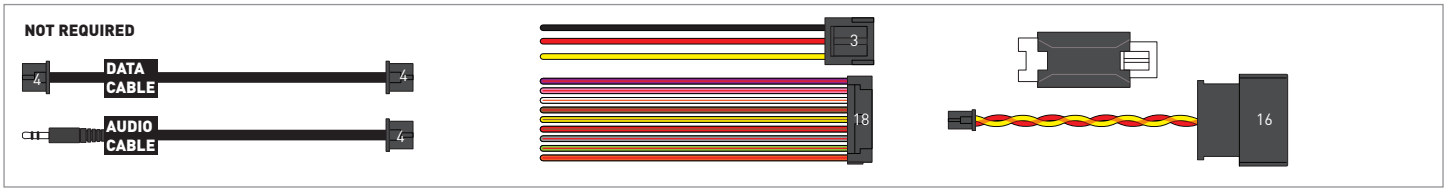
1

WIRING DIAGRAM *with an Amplifier*



WIRING DIAGRAM *without an Amplifier*





RADIO WIRE REFERENCE CHART

GM5+ (GM2) T-harness Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/ JVC cable	Wire Color on Pioneer cable	Wire Color on Sony cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light*	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A
Power Antenna	(+)	Blue	Blue	Blue	Blue/White	Blue or Blue/White

Head unit adapter wiring (optional accessory, sold separately)

ACC-HU-ALP1 Wire Description	Polarity	Wire Color on Adapter	Alpine Radio
VSS (vehicle speed sensor)	(DATA)	Green/White	Green/White

ACC-HU-KEN1 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
CAM	(+)	Green/Red	Refer to camera/radio manual
CAM	(-)	Green/White	Refer to camera/radio manual
Steering Wheel Controls	(DATA)	Blue/Yellow	Connect if no iDatalink 4-pin port on radio

ACC-HU-KEN2 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
E-Brake	(-)	LtGreen	LtGreen
Reverse Light*	(+)	Purple/White	Purple/White
Steering Wheel Controls	(DATA)	Blue/Yellow	Connect if no iDatalink 4-pin port on radio

* Reverse light wire: Only connect to radio or module damage will occur.

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 (RR2) Bluetooth activity	LED STATUS	DIAGNOSTIC
● or ●		RED or GREEN flashing	LED flashes 1 or more times, either red or green, **when a steering wheel button is pressed** : normal operation.
●		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do NOT use DEMO MODE.
●		1 GREEN flash	After radio boots up : Normal operation.
	●	3 GREEN flashes	Bluetooth is activated. Turns off after one minute: Normal operation.
●	●	OFF	Normal operation (inactive).

VIDEO HELP		Installation, product information, vehicle specific videos.
VERIFY FLASH		Last flash information, steering control configuration, vehicle information.
WEBLINK		Software to program module.

TROUBLESHOOTING TABLE P1 /2

PROBLEM	SOLUTION
Steering wheel controls do not work but LED on the Maestro does blink when steering wheel buttons are pressed.	Ensure the blue 4-pin steering wheel control cable is connected between the Maestro and the radio. The radio will use either the 3.5mm jack OR the blue/yellow wire, not both. Connect the 3.5mm jack from the Maestro blue 4-pin cable to the radio's 3.5mm port (labeled steering, remote, or wheel). If no such port exists, wire the blue/yellow to blue/yellow (Kenwood/JVC) or to the radio's Key 1 wire (brands not listed/other) and secure the 3.5mm jack. It will not be used. Verify the buttons are set up in the flash. If any button is set to "none" for "press once", it will do nothing. "Hold" column can be left as none and the "press once" function will operate with one press and when holding the button. Refer to radio's owner's manual to verify if the radio has this function: • JVC/Kenwood : Steering Wheel Control (ON/OFF): choose ON • Nakamichi : if model is listed, ensure PAC mode is on. If "other", learn the buttons in the radio steering wheel menu. • Sony : Steering Wheel Control (Custom/Preset): choose Preset. If phone buttons do not operate properly, flash the module as Pioneer – 2009 and newer with BT. Then select "custom" instead of "preset" and learn the buttons in the radio menu. • Other brands – radio should have a steering wheel menu to learn the buttons. You may have to select type A/B/C/1/2/3 and try learning again if buttons are not saving. Refer to radio manufacturer's tech support for further advice if not learning properly.
Radio does not turn on.	Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.
No sound from OnStar and/or no warning or turn signal chimes.	Plug the chime speaker in. Only turn signal chimes not working - verify "Turn Signal Reminder" is set to "Click in speaker" when programming the Maestro module. Chimes not working, but OnStar is - If vehicle was factory amplified and is now bypassed, ensure "Factory Amplifier" is turned off on the "Select how to configure your system" page when programming the Maestro module.
No sound from the Bose system (If equipped).	Make sure the amplifier turn on wire (Blue/White) of the T-Harness is connected to the radio's amplifier turn on wire. When flashing the Maestro make sure that the Amplifier in OEM Systems to Retain is selected. Make sure the RCA's are connected to the radio or the speaker wires are connected depending on your installation method.
Audio is very quiet or very loud.	Non amplified vehicles: ensure the AMP adapter is NOT plugged in between the white 8 pin plugs. Amplified vehicles: ensure the AMP adapter IS plugged in between the white 8 pin plugs.
(Vehicle using a GM2 harness only) Backup camera is not working and displays a black screen on radio when in reverse.	Ensure the 2-pin yellow plug is connected as shown on the diagram.
The light on the Maestro is flashing **RED ONCE**.	There is no firmware on the module; flash the RR module. DO NOT use demo mode.

TROUBLESHOOTING TABLE P2 /2

MAESTRO RR RESET PROCEDURE:

Turn the key to the OFF position, then disconnect all connectors from the module.
Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).
Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds to show the reset was successful.

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

IMPORTANT: To ensure proper operation, the aftermarket radio needs to have the latest firmware from the manufacturer. Please visit the radio manufacturer's website and look for any updates pertaining to your radio.

INSTALL GUIDE

2007-2008
CADILLAC ESCALADE EXT

RETAINS STEERING WHEEL CONTROLS, ONSTAR, BLUETOOTH AND MORE!



PRODUITS REQUIS
Interface de remplacement d'autoradio: iDatalink Maestro RR ou RR2
Câblage : iDatalink Maestro HRR-GM5+

PROGRAMMED FIRMWARE
ADS-RR(SR)-GM05-AS

ADDITIONAL RESOURCES
Maestro RR2 Programmable Outputs Guide

OPTIONAL ACCESSORIES

ACC-SP1

HEAD UNIT ADAPTER:
ACC-HU-PIO1, SON1, KEN1, KEN2, ALP1

NOTICE: Automotive Data Solutions Inc. (ADS) recommends having this installation performed by a certified technician. Logos and trademarks used here in are the properties of their respective owners.

WELCOME

Congratulations on the purchase of your iDatalink Maestro RR Radio replacement solution. You are now a few simple steps away from enjoying your new car radio with enhanced features.

Before starting your installation, please ensure that your iDatalink Maestro module is programmed with the correct firmware for your vehicle and that you carefully review the install guide.

Please note that Maestro RR will only retain functionalities that were originally available in the vehicle.

TABLE OF CONTENTS

Before Installing	3
Installation Instructions	4
Wiring Diagram with an Amplifier	5
Wiring Diagram without an Amplifier	6
Radio Wire Reference Chart	7
Module Diagnostics	8
Troubleshooting Table	9

NEED HELP?

1 866 427-2999

maestro.support@idatalink.com

BEFORE INSTALLING P1 /1

STEP 1

DETERMINE IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

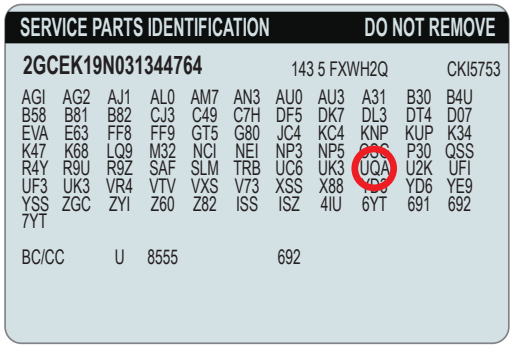
METHOD 1: Look for the following logos in the vehicle. They are usually on the speaker covers or on the radio unit. If you find any of the following logos Bose, Pioneer or Monsoon, you have a factory amplifier.

BOSE

Pioneer

MONSOON

METHOD 2: Look for the following sticker in the glove box. This sticker will indicate all the Regular Production Option (RPO) codes. If you find any of the following codes UQA, UQS or UQG, you have a factory amplifier.



STEP 2

IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **with an amplifier** and read the "**AMPLIFIER ONLY**" note to determine if you should use rca's or level matching circuits.

IF YOUR VEHICLE NOT IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **without an amplifier**.

Automotive Data Solutions Inc. © 2023

INSTALLATION INSTRUCTIONS P1/1

STEP 1

Remove the factory radio

If using head unit adapter (sold separately), connect HRR-GM5+ harness to adapter and skip to step 2.

- Unbox the aftermarket radio and locate its main harness.
- Cut and remove the black 20 pin connector from the HRR-GM5+ T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the HRR-GM5+ T-harness and match the wire functions.

  Note: only connect purple/white wire to radio reverse input or module damage will occur.

STEP 2

- Connect the factory harness to the HRR-GM5+ T-harness.
- Without AMP: Ensure that the WHITE 8 pin plugs are connected.
- With AMP: Connect the HRR-GM5+ 8 pin WHITE connectors to the AMP adapter.

STEP 3

- Plug the harnesses into the aftermarket radio.
- Connect the backup camera RCA cable into the aftermarket radio.
- With AMP: Connect the Center and SUB RCA cables.
- Plug the steering wheel control cable into the aftermarket radio.

STEP 4

- Connect the ACC-SP1 speaker to Maestro module.
- Connect all the harnesses to the Maestro RR module then test your installation.

OnStar, turn signal volume, or warning chime adjust:

- Turn ignition (IGN) on
- Open driver's door

Select to adjust:

OnStar level - Press OnStar button.

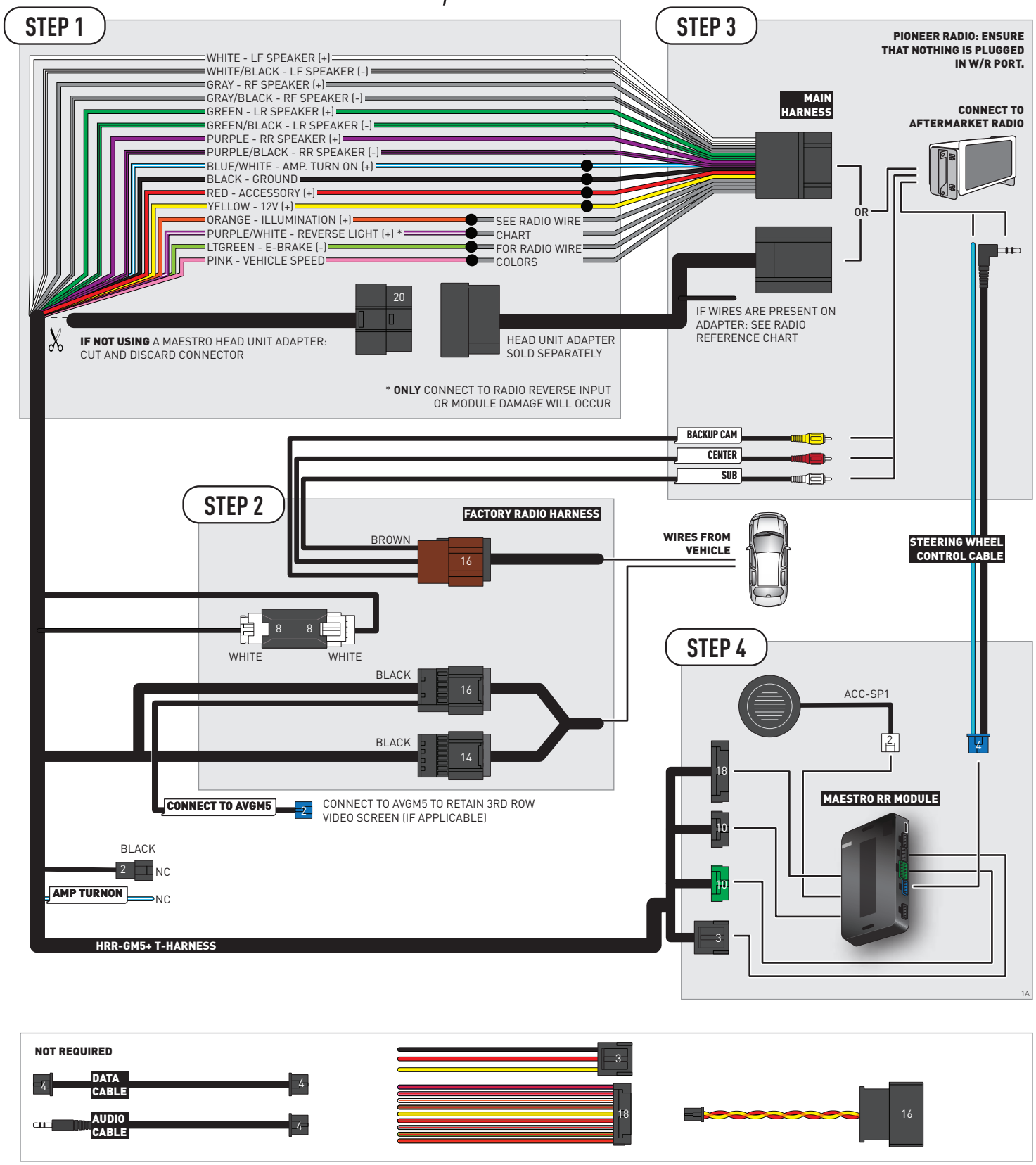
Turn signal level - activate either turn signal.

Warning chime level - turn headlight switch to parking light position (not AUTO).

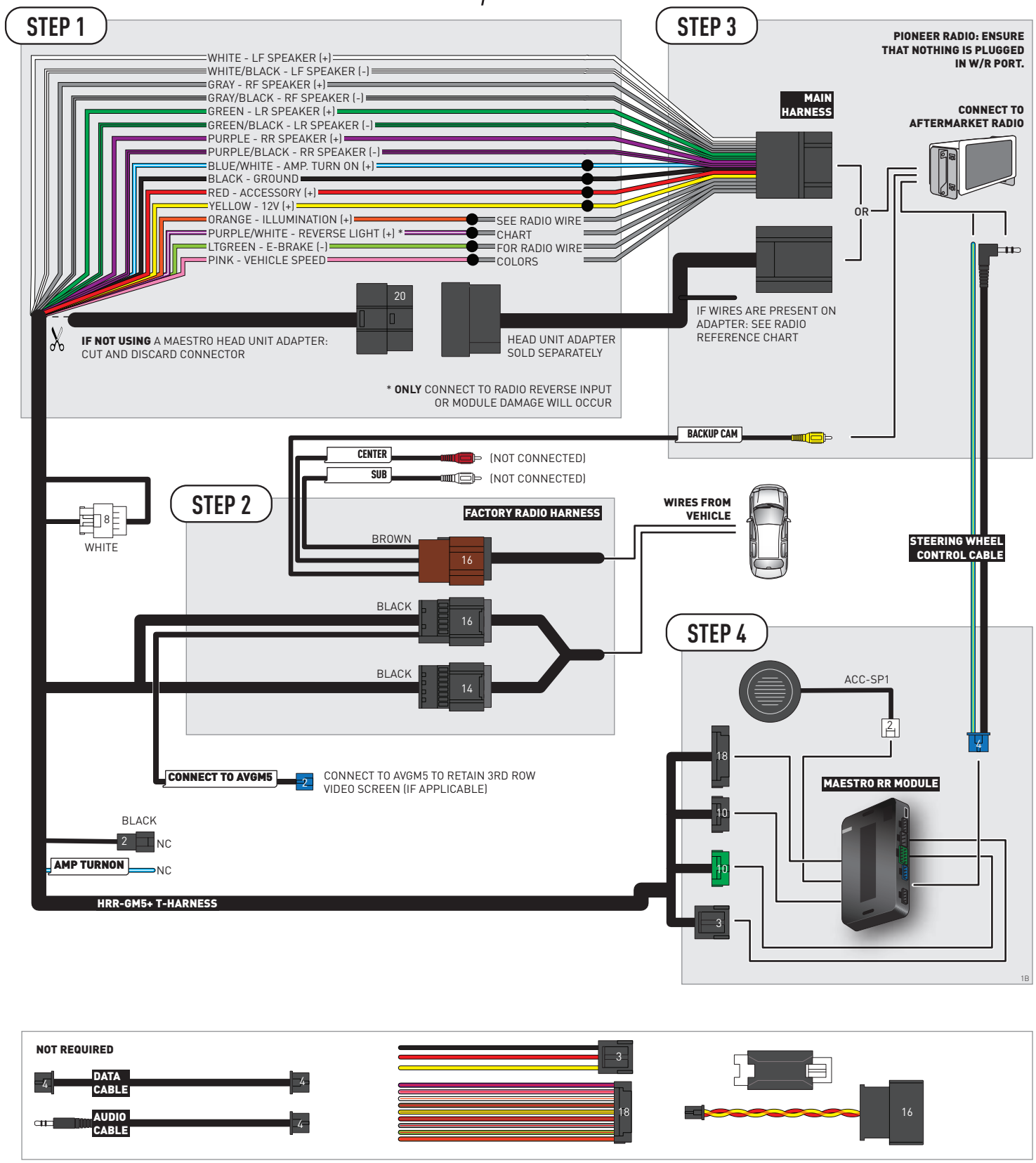
- Adjust volume using steering wheel volume up/down OR dimmer switch. If using dimmer switch, ensure headlight switch is NOT set to AUTO.

Automotive Data Solutions Inc. © 2023

WIRING DIAGRAM *with an Amplifier*



WIRING DIAGRAM *without an Amplifier*



RADIO WIRE REFERENCE CHART

GM5+ (GM2) T-harness Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/ JVC cable	Wire Color on Pioneer cable	Wire Color on Sony cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light*	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A
Power Antenna	(+)	Blue	Blue	Blue	Blue/White	Blue or Blue/White

Head unit adapter wiring (optional accessory, sold separately)

ACC-HU-ALP1 Wire Description	Polarity	Wire Color on Adapter	Alpine Radio
VSS (vehicle speed sensor)	(DATA)	Green/White	Green/White

ACC-HU-KEN1 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
CAM	(+)	Green/Red	Refer to camera/radio manual
CAM	(-)	Green/White	Refer to camera/radio manual
Steering Wheel Controls	(DATA)	Blue/Yellow	Connect if no iDatalink 4-pin port on radio

ACC-HU-KEN2 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
E-Brake	(-)	LtGreen	LtGreen
Reverse Light*	(+)	Purple/White	Purple/White
Steering Wheel Controls	(DATA)	Blue/Yellow	Connect if no iDatalink 4-pin port on radio

* Reverse light wire: Only connect to radio or module damage will occur.

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 (RR2) Bluetooth activity	LED STATUS	DIAGNOSTIC
● or ●		RED or GREEN flashing	LED flashes 1 or more times, either red or green, **when a steering wheel button is pressed** : normal operation.
●		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do NOT use DEMO MODE.
●		1 GREEN flash	After radio boots up : Normal operation.
	●	3 GREEN flashes	Bluetooth is activated. Turns off after one minute: Normal operation.
●	●	OFF	Normal operation (inactive).

VIDEO HELP		Installation, product information, vehicle specific videos.
VERIFY FLASH		Last flash information, steering control configuration, vehicle information.
WEBLINK		Software to program module.

TROUBLESHOOTING TABLE P1 /2

PROBLEM	SOLUTION
Steering wheel controls do not work but LED on the Maestro does blink when steering wheel buttons are pressed.	Ensure the blue 4-pin steering wheel control cable is connected between the Maestro and the radio. The radio will use either the 3.5mm jack OR the blue/yellow wire, not both. Connect the 3.5mm jack from the Maestro blue 4-pin cable to the radio's 3.5mm port (labeled steering, remote, or wheel). If no such port exists, wire the blue/yellow to blue/yellow (Kenwood/JVC) or to the radio's Key 1 wire (brands not listed/other) and secure the 3.5mm jack. It will not be used. Verify the buttons are set up in the flash. If any button is set to "none" for "press once", it will do nothing. "Hold" column can be left as none and the "press once" function will operate with one press and when holding the button. Refer to radio's owner's manual to verify if the radio has this function: • JVC/Kenwood : Steering Wheel Control (ON/OFF): choose ON • Nakamichi : if model is listed, ensure PAC mode is on. If "other", learn the buttons in the radio steering wheel menu. • Sony : Steering Wheel Control (Custom/Preset): choose Preset. If phone buttons do not operate properly, flash the module as Pioneer – 2009 and newer with BT. Then select "custom" instead of "preset" and learn the buttons in the radio menu. • Other brands – radio should have a steering wheel menu to learn the buttons. You may have to select type A/B/C/1/2/3 and try learning again if buttons are not saving. Refer to radio manufacturer's tech support for further advice if not learning properly.
Radio does not turn on.	Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.
No sound from OnStar and/or no warning or turn signal chimes.	Plug the chime speaker in. Only turn signal chimes not working - verify "Turn Signal Reminder" is set to "Click in speaker" when programming the Maestro module. Chimes not working, but OnStar is - If vehicle was factory amplified and is now bypassed, ensure "Factory Amplifier" is turned off on the "Select how to configure your system" page when programming the Maestro module.
No sound from the Bose system (If equipped).	Make sure the amplifier turn on wire (Blue/White) of the T-Harness is connected to the radio's amplifier turn on wire. When flashing the Maestro make sure that the Amplifier in OEM Systems to Retain is selected. Make sure the RCA's are connected to the radio or the speaker wires are connected depending on your installation method.
Audio is very quiet or very loud.	Non amplified vehicles: ensure the AMP adapter is NOT plugged in between the white 8 pin plugs. Amplified vehicles: ensure the AMP adapter IS plugged in between the white 8 pin plugs.
(Vehicle using a GM2 harness only) Backup camera is not working and displays a black screen on radio when in reverse.	Ensure the 2-pin yellow plug is connected as shown on the diagram.
The light on the Maestro is flashing **RED ONCE**.	There is no firmware on the module; flash the RR module. DO NOT use demo mode.

TROUBLESHOOTING TABLE P2 /2

MAESTRO RR RESET PROCEDURE:

Turn the key to the OFF position, then disconnect all connectors from the module.
Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).
Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds to show the reset was successful.

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

IMPORTANT: To ensure proper operation, the aftermarket radio needs to have the latest firmware from the manufacturer. Please visit the radio manufacturer's website and look for any updates pertaining to your radio.

INSTALL GUIDE

2009-2014
CADILLAC ESCALADE EXT
WITH NAV

RETAINS STEERING WHEEL CONTROLS, ONSTAR, BLUETOOTH AND MORE!



PRODUITS REQUIS
Interface de remplacement d'autoradio: iDatalink Maestro RR ou RR2
Câblage : iDatalink Maestro HRR-GM5+

PROGRAMMED FIRMWARE
ADS-RR(SR)-GM05-AS

ADDITIONAL RESOURCES
Maestro RR2 Programmable Outputs Guide

OPTIONAL ACCESSORIES

ACC-SP1

HEAD UNIT ADAPTER:
ACC-HU-PI01, S0N1, KEN1, KEN2, ALP1

NOTICE: Automotive Data Solutions Inc. (ADS) recommends having this installation performed by a certified technician. Logos and trademarks used here in are the properties of their respective owners.

WELCOME

Congratulations on the purchase of your iDatalink Maestro RR Radio replacement solution. You are now a few simple steps away from enjoying your new car radio with enhanced features.

Before starting your installation, please ensure that your iDatalink Maestro module is programmed with the correct firmware for your vehicle and that you carefully review the install guide.

Please note that Maestro RR will only retain functionalities that were originally available in the vehicle.

TABLE OF CONTENTS

Before Installing	3
Installation Instructions	4
Wiring Diagram with an Amplifier	5
Wiring Diagram without an Amplifier	6
Radio Wire Reference Chart	7
Module Diagnostics	8
Troubleshooting Table	9

NEED HELP?

1 866 427-2999

maestro.support@idatalink.com

BEFORE INSTALLING P1 /1

STEP 1

DETERMINE IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

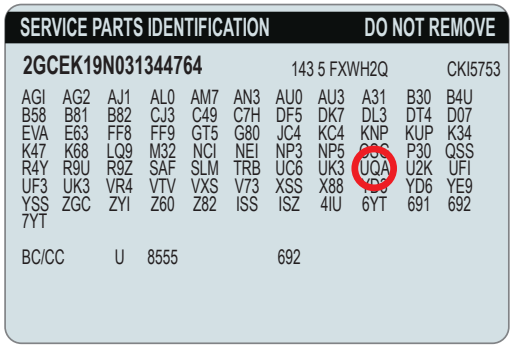
METHOD 1: Look for the following logos in the vehicle. They are usually on the speaker covers or on the radio unit. If you find any of the following logos Bose, Pioneer or Monsoon, you have a factory amplifier.

BOSE

Pioneer

MONSOON

METHOD 2: Look for the following sticker in the glove box. This sticker will indicate all the Regular Production Option (RPO) codes. If you find any of the following codes UQA, UQS or UQG, you have a factory amplifier.



STEP 2

IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **with an amplifier** and read the "**AMPLIFIER ONLY**" note to determine if you should use rca's or level matching circuits.

IF YOUR VEHICLE NOT IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **without an amplifier**.

Automotive Data Solutions Inc. © 2023

INSTALLATION INSTRUCTIONS P1/1

STEP 1

Remove the factory radio

If using head unit adapter (sold separately), connect HRR-GM5+ harness to adapter and skip to step 2.

- Unbox the aftermarket radio and locate its main harness.
- Cut and remove the black 20 pin connector from the HRR-GM5+ T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the HRR-GM5+ T-harness and match the wire functions.

  Note: only connect purple/white wire to radio reverse input or module damage will occur.

STEP 2

- Connect the factory harness to the HRR-GM5+ T-harness.
- Without AMP: Ensure that the WHITE 8 pin plugs are connected.
- With AMP: Connect the HRR-GM5+ 8 pin WHITE connectors to the AMP adapter.

STEP 3

- Plug the harnesses into the aftermarket radio.
- Connect the backup camera RCA cable into the aftermarket radio.
- With AMP: Connect the Center and SUB RCA cables.
- Plug the steering wheel control cable into the aftermarket radio.

STEP 4

- Connect the ACC-SP1 speaker to Maestro module.
- Connect all the harnesses to the Maestro RR module then test your installation.

OnStar, turn signal volume, or warning chime adjust:

- Turn ignition (IGN) on
- Open driver's door

Select to adjust:

OnStar level - Press OnStar button.

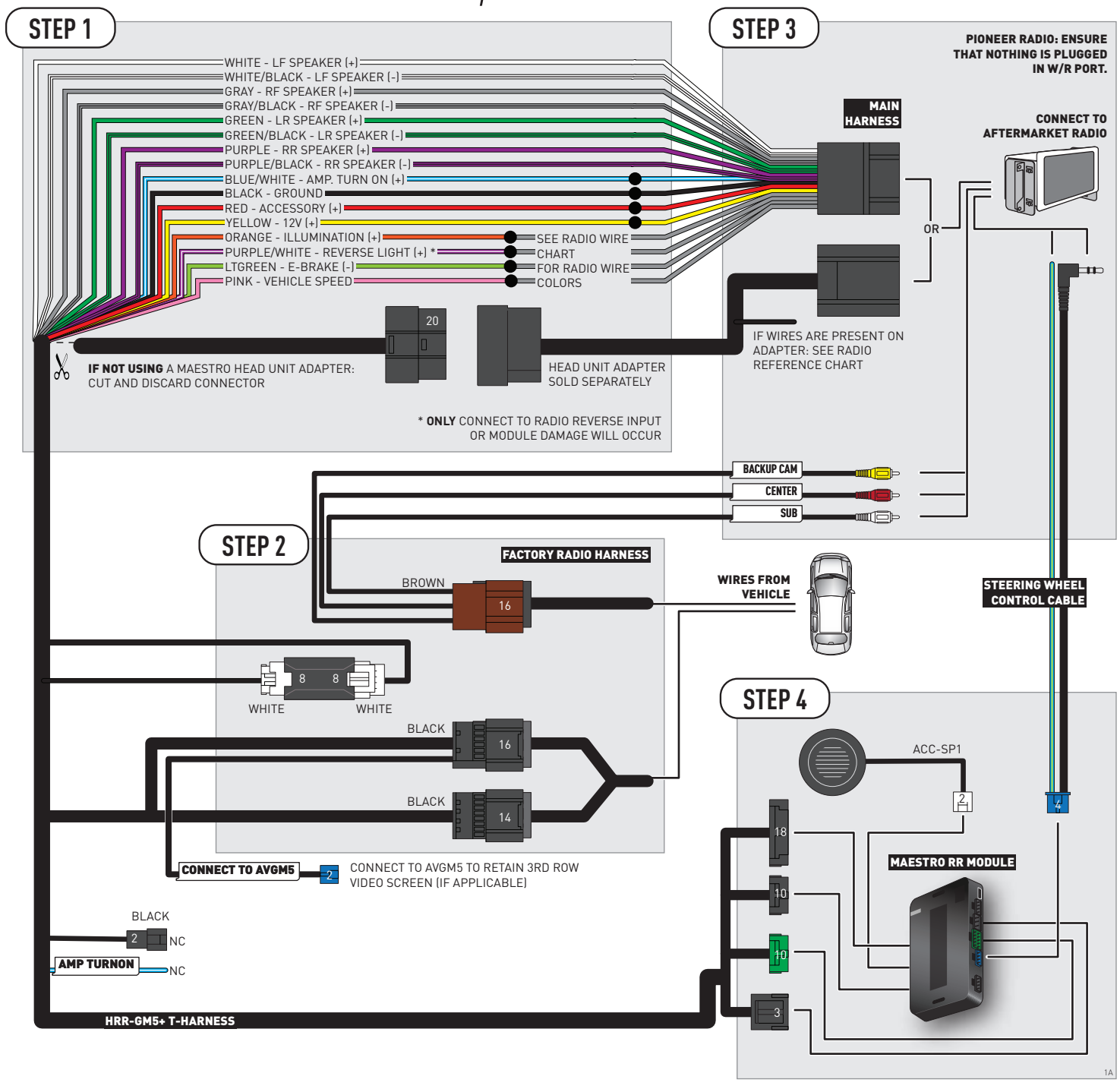
Turn signal level - activate either turn signal.

Warning chime level - turn headlight switch to parking light position (not AUTO).

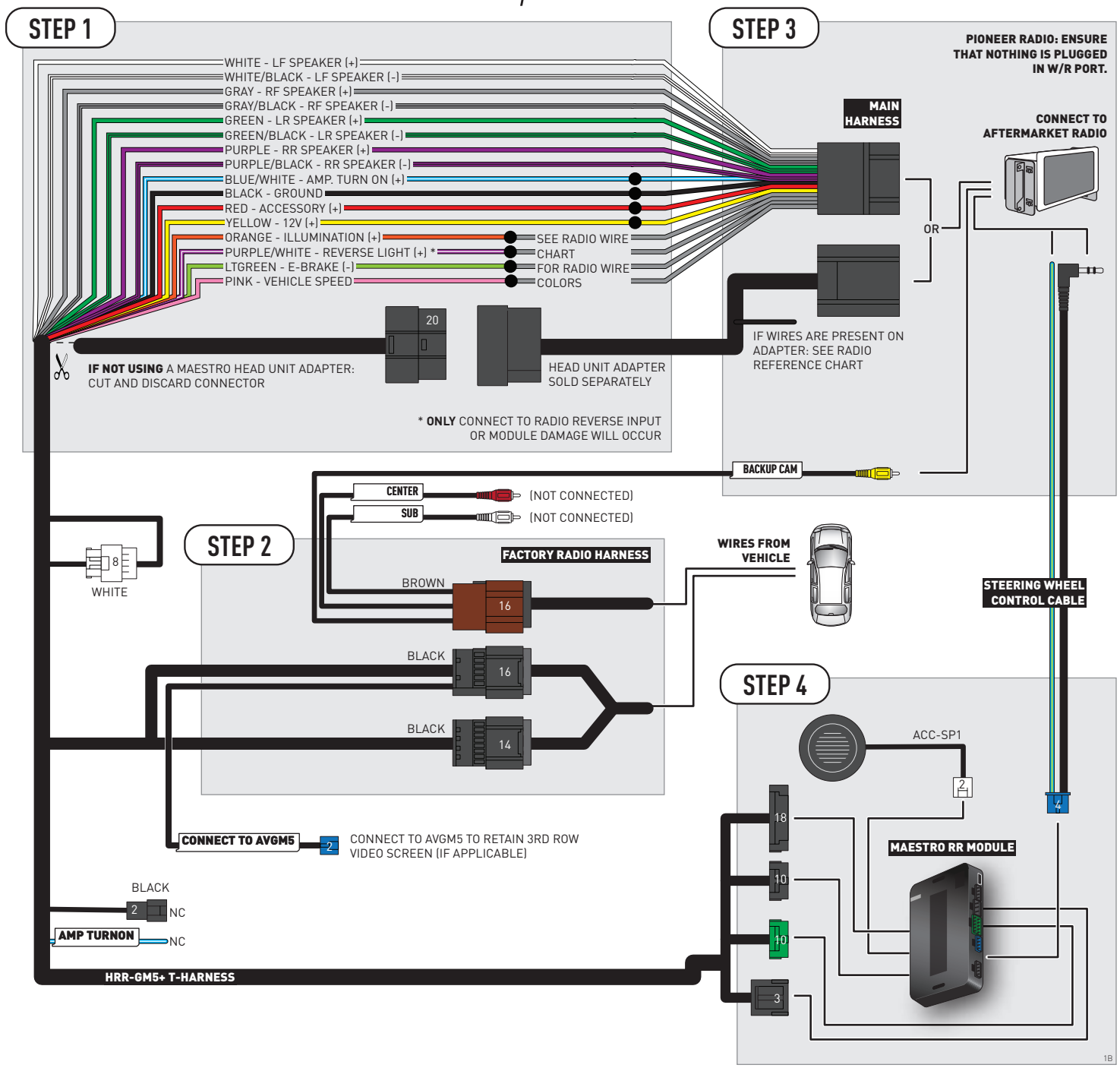
- Adjust volume using steering wheel volume up/down OR dimmer switch. If using dimmer switch, ensure headlight switch is NOT set to AUTO.

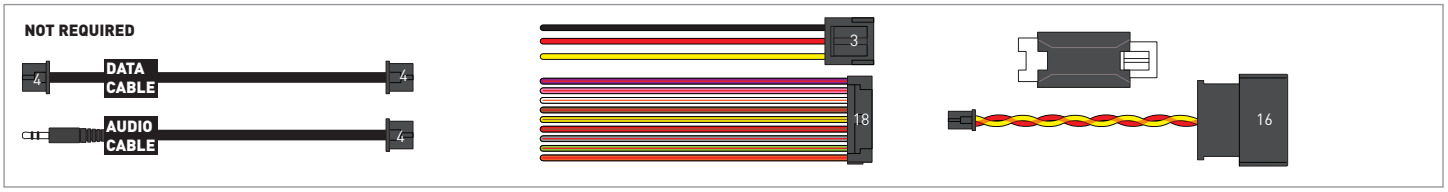
1

WIRING DIAGRAM *with an Amplifier*



WIRING DIAGRAM *without an Amplifier*





RADIO WIRE REFERENCE CHART

GM5+ (GM2) T-harness Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/ JVC cable	Wire Color on Pioneer cable	Wire Color on Sony cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light*	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A
Power Antenna	(+)	Blue	Blue	Blue	Blue/White	Blue or Blue/White

Head unit adapter wiring (optional accessory, sold separately)

ACC-HU-ALP1 Wire Description	Polarity	Wire Color on Adapter	Alpine Radio
VSS (vehicle speed sensor)	(DATA)	Green/White	Green/White

ACC-HU-KEN1 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
CAM	(+)	Green/Red	Refer to camera/radio manual
CAM	(-)	Green/White	Refer to camera/radio manual
Steering Wheel Controls	(DATA)	Blue/Yellow	Connect if no iDatalink 4-pin port on radio

ACC-HU-KEN2 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
E-Brake	(-)	LtGreen	LtGreen
Reverse Light*	(+)	Purple/White	Purple/White
Steering Wheel Controls	(DATA)	Blue/Yellow	Connect if no iDatalink 4-pin port on radio

* Reverse light wire: Only connect to radio or module damage will occur.

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 (RR2) Bluetooth activity	LED STATUS	DIAGNOSTIC
● or ●		RED or GREEN flashing	LED flashes 1 or more times, either red or green, **when a steering wheel button is pressed** : normal operation.
●		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do NOT use DEMO MODE.
●		1 GREEN flash	After radio boots up : Normal operation.
	●	3 GREEN flashes	Bluetooth is activated. Turns off after one minute: Normal operation.
●	●	OFF	Normal operation (inactive).

VIDEO HELP		Installation, product information, vehicle specific videos.
VERIFY FLASH		Last flash information, steering control configuration, vehicle information.
WEBLINK		Software to program module.

TROUBLESHOOTING TABLE P1 /2

PROBLEM	SOLUTION
Steering wheel controls do not work but LED on the Maestro does blink when steering wheel buttons are pressed.	Ensure the blue 4-pin steering wheel control cable is connected between the Maestro and the radio. The radio will use either the 3.5mm jack OR the blue/yellow wire, not both. Connect the 3.5mm jack from the Maestro blue 4-pin cable to the radio's 3.5mm port (labeled steering, remote, or wheel). If no such port exists, wire the blue/yellow to blue/yellow (Kenwood/JVC) or to the radio's Key 1 wire (brands not listed/other) and secure the 3.5mm jack. It will not be used. Verify the buttons are set up in the flash. If any button is set to "none" for "press once", it will do nothing. "Hold" column can be left as none and the "press once" function will operate with one press and when holding the button. Refer to radio's owner's manual to verify if the radio has this function: • JVC/Kenwood : Steering Wheel Control (ON/OFF): choose ON • Nakamichi : if model is listed, ensure PAC mode is on. If "other", learn the buttons in the radio steering wheel menu. • Sony : Steering Wheel Control (Custom/Preset): choose Preset. If phone buttons do not operate properly, flash the module as Pioneer – 2009 and newer with BT. Then select "custom" instead of "preset" and learn the buttons in the radio menu. • Other brands – radio should have a steering wheel menu to learn the buttons. You may have to select type A/B/C/1/2/3 and try learning again if buttons are not saving. Refer to radio manufacturer's tech support for further advice if not learning properly.
Radio does not turn on.	Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.
No sound from OnStar and/or no warning or turn signal chimes.	Plug the chime speaker in. Only turn signal chimes not working - verify "Turn Signal Reminder" is set to "Click in speaker" when programming the Maestro module. Chimes not working, but OnStar is - If vehicle was factory amplified and is now bypassed, ensure "Factory Amplifier" is turned off on the "Select how to configure your system" page when programming the Maestro module.
No sound from the Bose system (If equipped).	Make sure the amplifier turn on wire (Blue/White) of the T-Harness is connected to the radio's amplifier turn on wire. When flashing the Maestro make sure that the Amplifier in OEM Systems to Retain is selected. Make sure the RCA's are connected to the radio or the speaker wires are connected depending on your installation method.
Audio is very quiet or very loud.	Non amplified vehicles: ensure the AMP adapter is NOT plugged in between the white 8 pin plugs. Amplified vehicles: ensure the AMP adapter IS plugged in between the white 8 pin plugs.
(Vehicle using a GM2 harness only) Backup camera is not working and displays a black screen on radio when in reverse.	Ensure the 2-pin yellow plug is connected as shown on the diagram.
The light on the Maestro is flashing **RED ONCE**.	There is no firmware on the module; flash the RR module. DO NOT use demo mode.

TROUBLESHOOTING TABLE P2 /2

MAESTRO RR RESET PROCEDURE:

Turn the key to the OFF position, then disconnect all connectors from the module.
Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).
Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds to show the reset was successful.

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

IMPORTANT: To ensure proper operation, the aftermarket radio needs to have the latest firmware from the manufacturer. Please visit the radio manufacturer's website and look for any updates pertaining to your radio.

INSTALL GUIDE

2009-2014
CADILLAC ESCALADE
WITH NAV

RETAINS STEERING WHEEL CONTROLS, ONSTAR, BLUETOOTH AND MORE!



PRODUITS REQUIS
Interface de remplacement d'autoradio: iDatalink Maestro RR ou RR2
Câblage : iDatalink Maestro HRR-GM5+

PROGRAMMED FIRMWARE
ADS-RR(SR)-GM05-AS

ADDITIONAL RESOURCES
Maestro RR2 Programmable Outputs Guide

OPTIONAL ACCESSORIES

ACC-SP1

HEAD UNIT ADAPTER:
ACC-HU-PIO1, SON1, KEN1, KEN2, ALP1

NOTICE: Automotive Data Solutions Inc. (ADS) recommends having this installation performed by a certified technician. Logos and trademarks used here in are the properties of their respective owners.

WELCOME

Congratulations on the purchase of your iDatalink Maestro RR Radio replacement solution. You are now a few simple steps away from enjoying your new car radio with enhanced features.

Before starting your installation, please ensure that your iDatalink Maestro module is programmed with the correct firmware for your vehicle and that you carefully review the install guide.

Please note that Maestro RR will only retain functionalities that were originally available in the vehicle.

TABLE OF CONTENTS

Before Installing	3
Installation Instructions	4
Wiring Diagram with an Amplifier	5
Wiring Diagram without an Amplifier	6
Radio Wire Reference Chart	7
Module Diagnostics	8
Troubleshooting Table	9

NEED HELP?

1 866 427-2999

maestro.support@idatalink.com

BEFORE INSTALLING P1 /1

STEP 1

DETERMINE IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

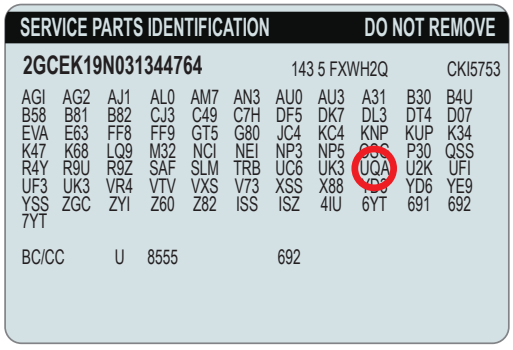
METHOD 1: Look for the following logos in the vehicle. They are usually on the speaker covers or on the radio unit. If you find any of the following logos Bose, Pioneer or Monsoon, you have a factory amplifier.

BOSE

Pioneer

MONSOON

METHOD 2: Look for the following sticker in the glove box. This sticker will indicate all the Regular Production Option (RPO) codes. If you find any of the following codes UQA, UQS or UQG, you have a factory amplifier.



STEP 2

IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **with an amplifier** and read the "**AMPLIFIER ONLY**" note to determine if you should use rca's or level matching circuits.

IF YOUR VEHICLE NOT IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **without an amplifier**.

Automotive Data Solutions Inc. © 2023

INSTALLATION INSTRUCTIONS P1/1

STEP 1

Remove the factory radio

If using head unit adapter (sold separately), connect HRR-GM5+ harness to adapter and skip to step 2.

- Unbox the aftermarket radio and locate its main harness.
- Cut and remove the black 20 pin connector from the HRR-GM5+ T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the HRR-GM5+ T-harness and match the wire functions.

  Note: only connect purple/white wire to radio reverse input or module damage will occur.

STEP 2

- Connect the factory harness to the HRR-GM5+ T-harness.
- Without AMP: Ensure that the WHITE 8 pin plugs are connected.
- With AMP: Connect the HRR-GM5+ 8 pin WHITE connectors to the AMP adapter.

STEP 3

- Plug the harnesses into the aftermarket radio.
- Connect the backup camera RCA cable into the aftermarket radio.
- With AMP: Connect the Center and SUB RCA cables.
- Plug the steering wheel control cable into the aftermarket radio.

STEP 4

- Connect the ACC-SP1 speaker to Maestro module.
- Connect all the harnesses to the Maestro RR module then test your installation.

OnStar, turn signal volume, or warning chime adjust:

- Turn ignition (IGN) on
- Open driver's door

Select to adjust:

OnStar level - Press OnStar button.

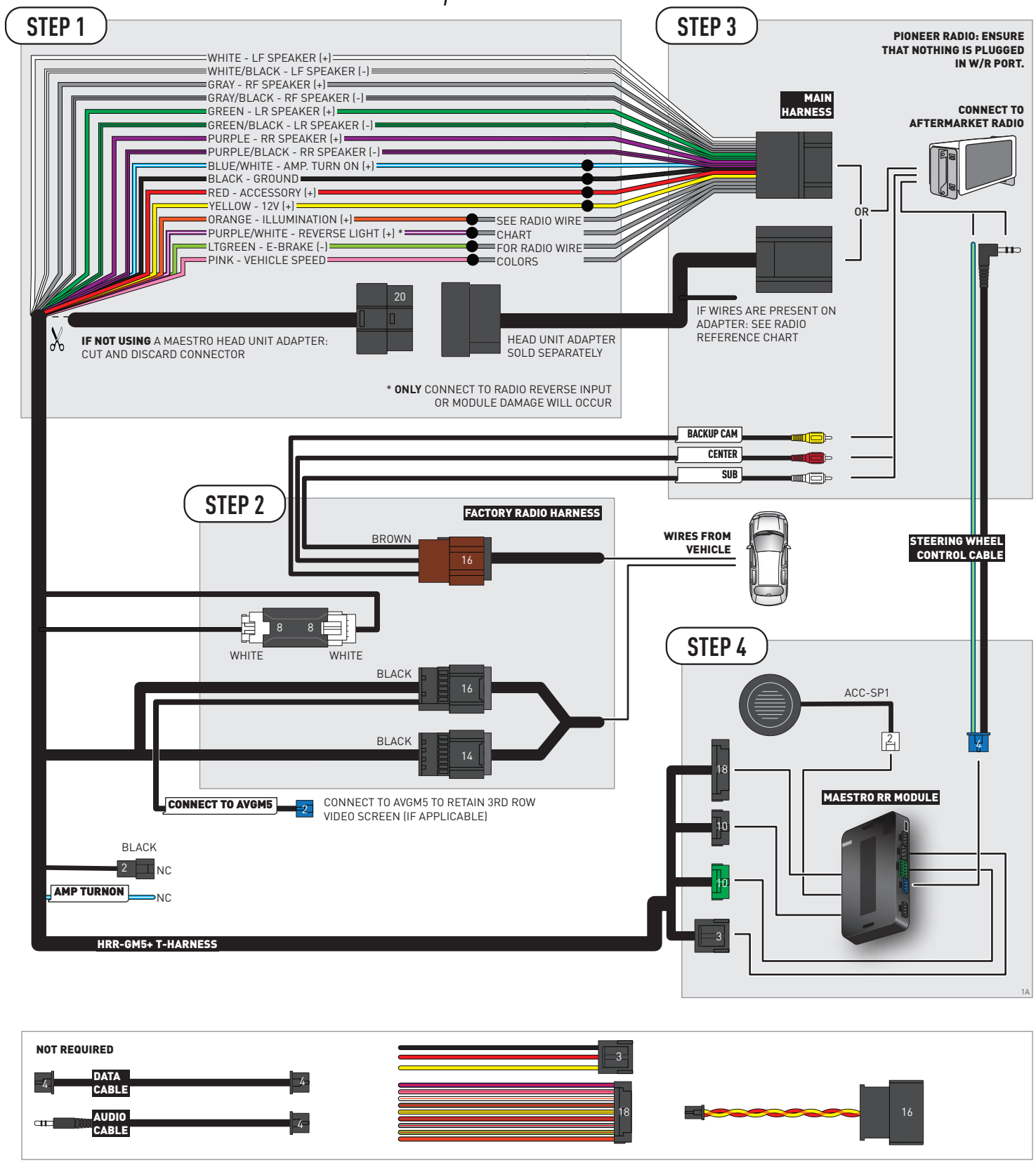
Turn signal level - activate either turn signal.

Warning chime level - turn headlight switch to parking light position (not AUTO).

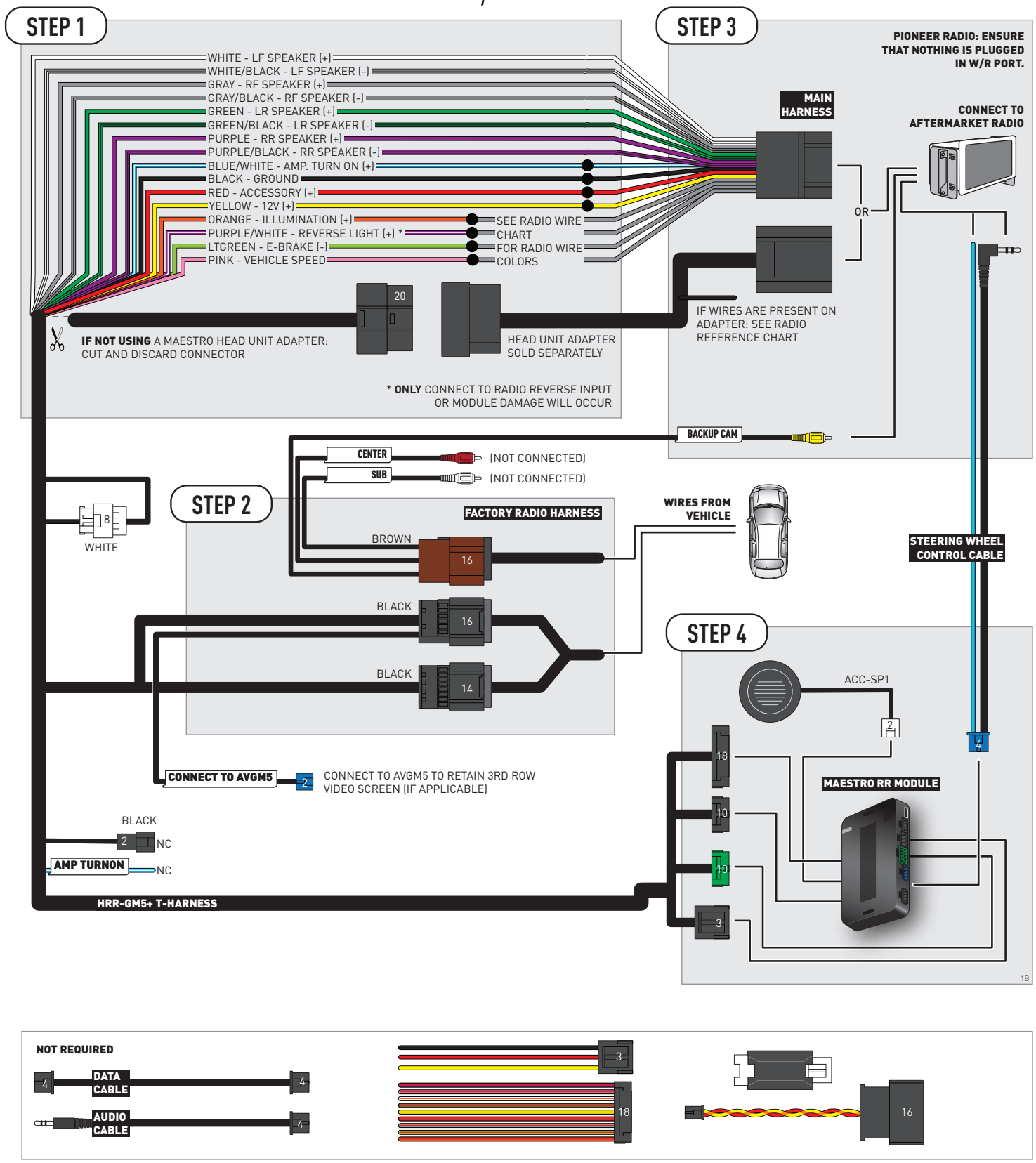
- Adjust volume using steering wheel volume up/down OR dimmer switch. If using dimmer switch, ensure headlight switch is NOT set to AUTO.

1

WIRING DIAGRAM *with an Amplifier*



WIRING DIAGRAM *without an Amplifier*



RADIO WIRE REFERENCE CHART

GM5+ (GM2) T-harness Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/ JVC cable	Wire Color on Pioneer cable	Wire Color on Sony cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light*	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A
Power Antenna	(+)	Blue	Blue	Blue	Blue/White	Blue or Blue/White

Head unit adapter wiring (optional accessory, sold separately)

ACC-HU-ALP1 Wire Description	Polarity	Wire Color on Adapter	Alpine Radio
VSS (vehicle speed sensor)	(DATA)	Green/White	Green/White

ACC-HU-KEN1 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
CAM	(+)	Green/Red	Refer to camera/radio manual
CAM	(-)	Green/White	Refer to camera/radio manual
Steering Wheel Controls	(DATA)	Blue/Yellow	Connect if no iDatalink 4-pin port on radio

ACC-HU-KEN2 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
E-Brake	(-)	LtGreen	LtGreen
Reverse Light*	(+)	Purple/White	Purple/White
Steering Wheel Controls	(DATA)	Blue/Yellow	Connect if no iDatalink 4-pin port on radio

* Reverse light wire: Only connect to radio or module damage will occur.

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 (RR2) Bluetooth activity	LED STATUS	DIAGNOSTIC
● or ●		RED or GREEN flashing	LED flashes 1 or more times, either red or green, **when a steering wheel button is pressed** : normal operation.
●		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do NOT use DEMO MODE.
●		1 GREEN flash	After radio boots up : Normal operation.
	●	3 GREEN flashes	Bluetooth is activated. Turns off after one minute: Normal operation.
●	●	OFF	Normal operation (inactive).

VIDEO HELP		Installation, product information, vehicle specific videos.
VERIFY FLASH		Last flash information, steering control configuration, vehicle information.
WEBLINK		Software to program module.

TROUBLESHOOTING TABLE P1 /2

PROBLEM	SOLUTION
Steering wheel controls do not work but LED on the Maestro does blink when steering wheel buttons are pressed.	Ensure the blue 4-pin steering wheel control cable is connected between the Maestro and the radio. The radio will use either the 3.5mm jack OR the blue/yellow wire, not both. Connect the 3.5mm jack from the Maestro blue 4-pin cable to the radio's 3.5mm port (labeled steering, remote, or wheel). If no such port exists, wire the blue/yellow to blue/yellow (Kenwood/JVC) or to the radio's Key 1 wire (brands not listed/other) and secure the 3.5mm jack. It will not be used. Verify the buttons are set up in the flash. If any button is set to "none" for "press once", it will do nothing. "Hold" column can be left as none and the "press once" function will operate with one press and when holding the button. Refer to radio's owner's manual to verify if the radio has this function: • JVC/Kenwood : Steering Wheel Control (ON/OFF): choose ON • Nakamichi : if model is listed, ensure PAC mode is on. If "other", learn the buttons in the radio steering wheel menu. • Sony : Steering Wheel Control (Custom/Preset): choose Preset. If phone buttons do not operate properly, flash the module as Pioneer – 2009 and newer with BT. Then select "custom" instead of "preset" and learn the buttons in the radio menu. • Other brands – radio should have a steering wheel menu to learn the buttons. You may have to select type A/B/C/1/2/3 and try learning again if buttons are not saving. Refer to radio manufacturer's tech support for further advice if not learning properly.
Radio does not turn on.	Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.
No sound from OnStar and/or no warning or turn signal chimes.	Plug the chime speaker in. Only turn signal chimes not working - verify "Turn Signal Reminder" is set to "Click in speaker" when programming the Maestro module. Chimes not working, but OnStar is - If vehicle was factory amplified and is now bypassed, ensure "Factory Amplifier" is turned off on the "Select how to configure your system" page when programming the Maestro module.
No sound from the Bose system (If equipped).	Make sure the amplifier turn on wire (Blue/White) of the T-Harness is connected to the radio's amplifier turn on wire. When flashing the Maestro make sure that the Amplifier in OEM Systems to Retain is selected. Make sure the RCA's are connected to the radio or the speaker wires are connected depending on your installation method.
Audio is very quiet or very loud.	Non amplified vehicles: ensure the AMP adapter is NOT plugged in between the white 8 pin plugs. Amplified vehicles: ensure the AMP adapter IS plugged in between the white 8 pin plugs.
(Vehicle using a GM2 harness only) Backup camera is not working and displays a black screen on radio when in reverse.	Ensure the 2-pin yellow plug is connected as shown on the diagram.
The light on the Maestro is flashing **RED ONCE**.	There is no firmware on the module; flash the RR module. DO NOT use demo mode.

TROUBLESHOOTING TABLE P2 /2

MAESTRO RR RESET PROCEDURE:

Turn the key to the OFF position, then disconnect all connectors from the module.
Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).
Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds to show the reset was successful.

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

IMPORTANT: To ensure proper operation, the aftermarket radio needs to have the latest firmware from the manufacturer. Please visit the radio manufacturer's website and look for any updates pertaining to your radio.

INSTALL GUIDE

2007-2009
CADILLAC SRX

RETAINS STEERING WHEEL CONTROLS, ONSTAR, BLUETOOTH AND MORE!



PRODUITS REQUIS
Interface de remplacement d'autoradio: iDatalink Maestro RR ou RR2
Câblage : iDatalink Maestro HRR-GM5+

PROGRAMMED FIRMWARE
ADS-RR(SR)-GM05-AS

ADDITIONAL RESOURCES
Maestro RR2 Programmable Outputs Guide

OPTIONAL ACCESSORIES

ACC-SP1

HEAD UNIT ADAPTER:
ACC-HU-PIO1, SON1, KEN1, KEN2, ALP1

NOTICE: Automotive Data Solutions Inc. (ADS) recommends having this installation performed by a certified technician. Logos and trademarks used here in are the properties of their respective owners.

WELCOME

Congratulations on the purchase of your iDatalink Maestro RR Radio replacement solution. You are now a few simple steps away from enjoying your new car radio with enhanced features.

Before starting your installation, please ensure that your iDatalink Maestro module is programmed with the correct firmware for your vehicle and that you carefully review the install guide.

Please note that Maestro RR will only retain functionalities that were originally available in the vehicle.

TABLE OF CONTENTS

Before Installing	3
Installation Instructions	4
Wiring Diagram with an Amplifier	5
Wiring Diagram without an Amplifier	6
Radio Wire Reference Chart	7
Module Diagnostics	8
Troubleshooting Table	9

NEED HELP?

1 866 427-2999

maestro.support@idatalink.com

BEFORE INSTALLING P1 /1

STEP 1

DETERMINE IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

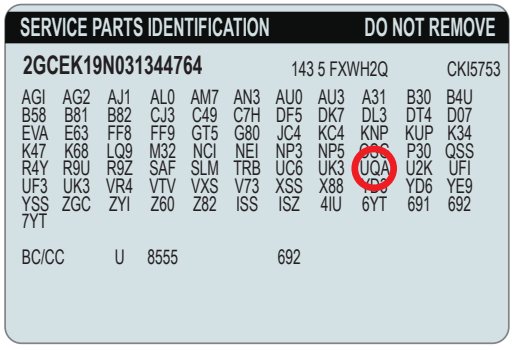
METHOD 1: Look for the following logos in the vehicle. They are usually on the speaker covers or on the radio unit. If you find any of the following logos Bose, Pioneer or Monsoon, you have a factory amplifier.

BOSE

Pioneer

MONSOON

METHOD 2: Look for the following sticker in the glove box. This sticker will indicate all the Regular Production Option (RPO) codes. If you find any of the following codes UQA, UQS or UQG, you have a factory amplifier.


SERVICE PARTS IDENTIFICATION DO NOT REMOVE

2GCEK19N031344764 143 5 FXWH2Q CKI5753

AGI	AG2	AJ1	AL0	AM7	AN3	AU0	AU3	A31	B30	B4U
B58	B81	B82	CJ3	C49	C7H	DF5	DK7	DL3	DT4	D07
EVA	E63	FF8	FF9	GT5	G80	JC4	KC4	KNP	KUP	K34
K47	K68	LQ9	M32	NCI	NEI	NP3	NP5	QQS	P30	QSS
R4Y	R9U	R9Z	SAF	SLM	TRB	UC6	UK3	UQA	U2K	UFI
UF3	UK3	VR4	VTV	VXS	V73	XSS	X88	YD5	YD6	YE9
YSS	ZGC	ZYI	Z60	Z82	ISS	ISZ	4IU	6YT	691	692
7YT										

BC/CC U 8555 692

STEP 2

IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **with an amplifier** and read the "**AMPLIFIER ONLY**" note to determine if you should use rca's or level matching circuits.

IF YOUR VEHICLE NOT IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **without an amplifier**.

Automotive Data Solutions Inc. © 2023

INSTALLATION INSTRUCTIONS P1/1

STEP 1

Remove the factory radio

If using head unit adapter (sold separately), connect HRR-GM5+ harness to adapter and skip to step 2.

- Unbox the aftermarket radio and locate its main harness.
- Cut and remove the black 20 pin connector from the HRR-GM5+ T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the HRR-GM5+ T-harness and match the wire functions.

  Note: only connect purple/white wire to radio reverse input or module damage will occur.

STEP 2

- Connect the factory harness to the HRR-GM5+ T-harness.
- Without AMP: Ensure that the WHITE 8 pin plugs are connected.
- With AMP: Connect the HRR-GM5+ 8 pin WHITE connectors to the AMP adapter.

STEP 3

- Plug the harnesses into the aftermarket radio.
- Connect the backup camera RCA cable into the aftermarket radio.
- With AMP: Connect the Center and SUB RCA cables.
- Plug the steering wheel control cable into the aftermarket radio.

STEP 4

- Connect the ACC-SP1 speaker to Maestro module.
- Connect all the harnesses to the Maestro RR module then test your installation.

OnStar, turn signal volume, or warning chime adjust:

- Turn ignition (IGN) on
- Open driver's door

Select to adjust:

OnStar level - Press OnStar button.

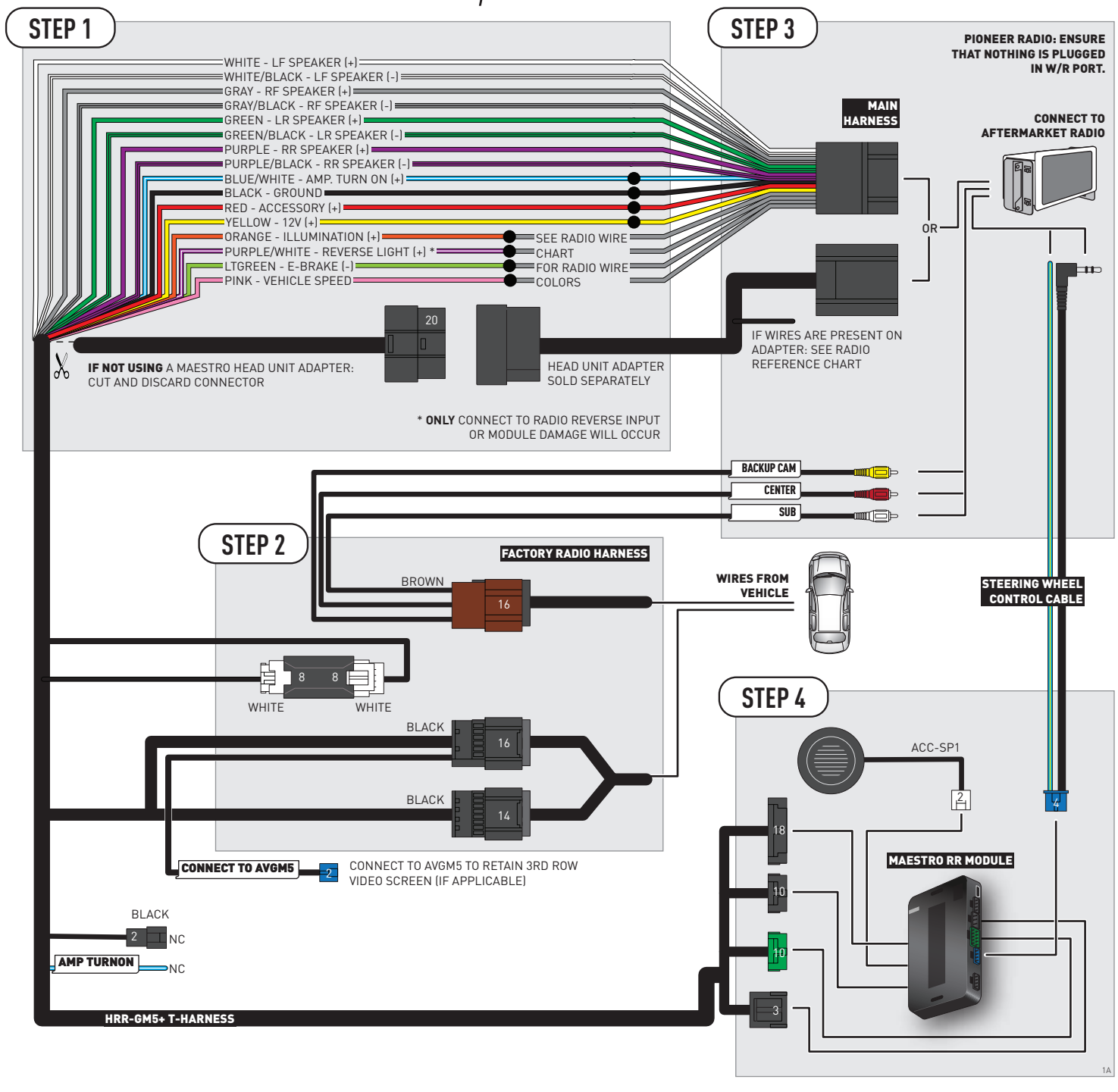
Turn signal level - activate either turn signal.

Warning chime level - turn headlight switch to parking light position (not AUTO).

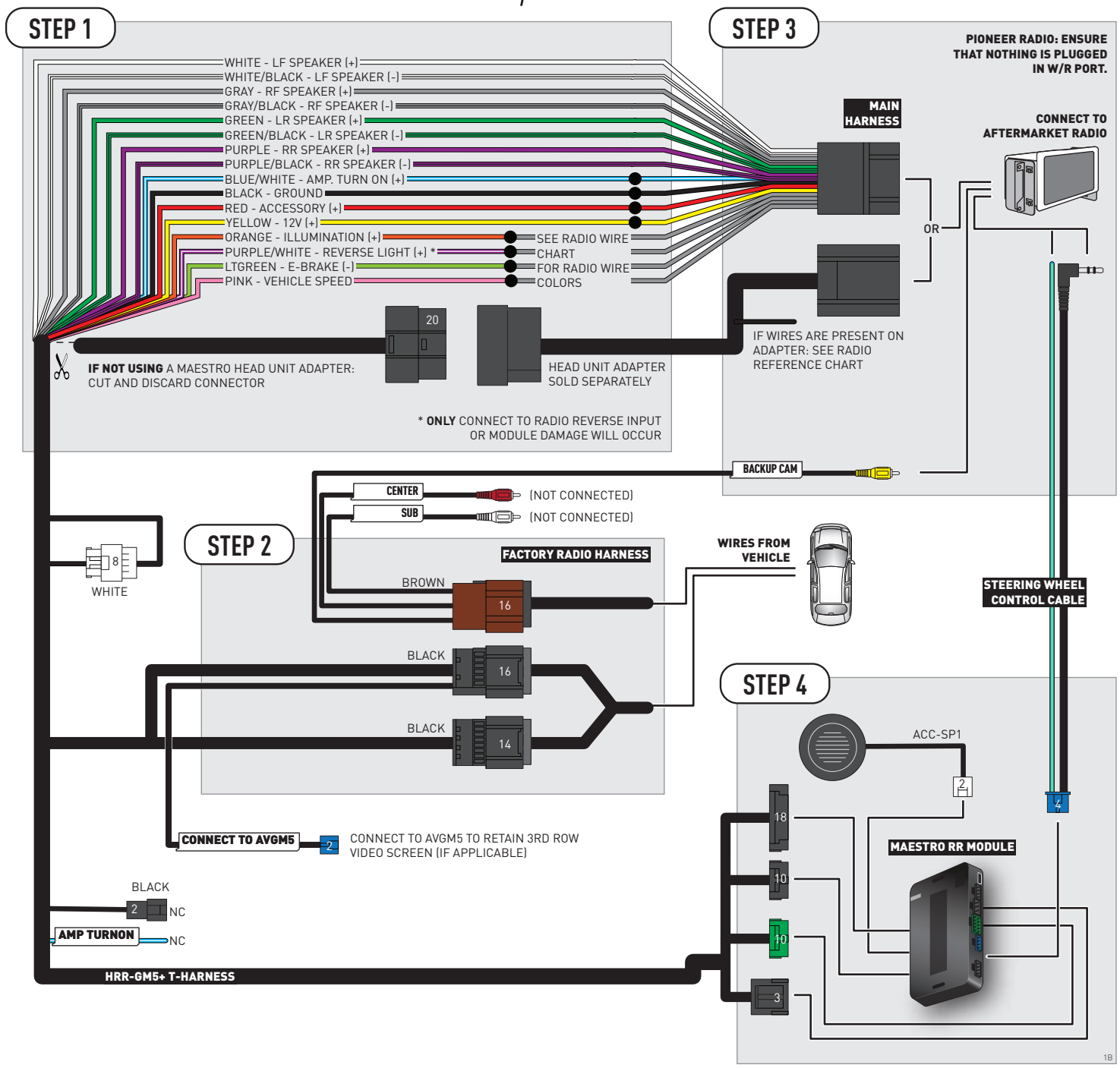
- Adjust volume using steering wheel volume up/down OR dimmer switch. If using dimmer switch, ensure headlight switch is NOT set to AUTO.

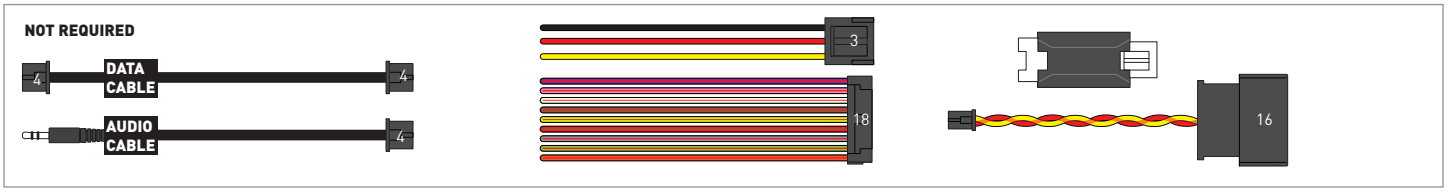
1

WIRING DIAGRAM *with an Amplifier*



WIRING DIAGRAM *without an Amplifier*





RADIO WIRE REFERENCE CHART

GM5+ (GM2) T-harness Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/ JVC cable	Wire Color on Pioneer cable	Wire Color on Sony cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light*	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A
Power Antenna	(+)	Blue	Blue	Blue	Blue/White	Blue or Blue/White

Head unit adapter wiring (optional accessory, sold separately)

ACC-HU-ALP1 Wire Description	Polarity	Wire Color on Adapter	Alpine Radio
VSS (vehicle speed sensor)	(DATA)	Green/White	Green/White

ACC-HU-KEN1 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
CAM	(+)	Green/Red	Refer to camera/radio manual
CAM	(-)	Green/White	Refer to camera/radio manual
Steering Wheel Controls	(DATA)	Blue/Yellow	Connect if no iDatalink 4-pin port on radio

ACC-HU-KEN2 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
E-Brake	(-)	LtGreen	LtGreen
Reverse Light*	(+)	Purple/White	Purple/White
Steering Wheel Controls	(DATA)	Blue/Yellow	Connect if no iDatalink 4-pin port on radio

* Reverse light wire: Only connect to radio or module damage will occur.

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 (RR2) Bluetooth activity	LED STATUS	DIAGNOSTIC
● or ●		RED or GREEN flashing	LED flashes 1 or more times, either red or green, **when a steering wheel button is pressed** : normal operation.
●		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do NOT use DEMO MODE.
●		1 GREEN flash	After radio boots up : Normal operation.
	●	3 GREEN flashes	Bluetooth is activated. Turns off after one minute: Normal operation.
●	●	OFF	Normal operation (inactive).

VIDEO HELP		Installation, product information, vehicle specific videos.
VERIFY FLASH		Last flash information, steering control configuration, vehicle information.
WEBLINK		Software to program module.

TROUBLESHOOTING TABLE P1 /2

PROBLEM	SOLUTION
Steering wheel controls do not work but LED on the Maestro does blink when steering wheel buttons are pressed.	Ensure the blue 4-pin steering wheel control cable is connected between the Maestro and the radio. The radio will use either the 3.5mm jack OR the blue/yellow wire, not both. Connect the 3.5mm jack from the Maestro blue 4-pin cable to the radio's 3.5mm port (labeled steering, remote, or wheel). If no such port exists, wire the blue/yellow to blue/yellow (Kenwood/JVC) or to the radio's Key 1 wire (brands not listed/other) and secure the 3.5mm jack. It will not be used. Verify the buttons are set up in the flash. If any button is set to "none" for "press once", it will do nothing. "Hold" column can be left as none and the "press once" function will operate with one press and when holding the button. Refer to radio's owner's manual to verify if the radio has this function: • JVC/Kenwood : Steering Wheel Control (ON/OFF): choose ON • Nakamichi : if model is listed, ensure PAC mode is on. If "other", learn the buttons in the radio steering wheel menu. • Sony : Steering Wheel Control (Custom/Preset): choose Preset. If phone buttons do not operate properly, flash the module as Pioneer – 2009 and newer with BT. Then select "custom" instead of "preset" and learn the buttons in the radio menu. • Other brands – radio should have a steering wheel menu to learn the buttons. You may have to select type A/B/C/1/2/3 and try learning again if buttons are not saving. Refer to radio manufacturer's tech support for further advice if not learning properly.
Radio does not turn on.	Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.
No sound from OnStar and/or no warning or turn signal chimes.	Plug the chime speaker in. Only turn signal chimes not working - verify "Turn Signal Reminder" is set to "Click in speaker" when programming the Maestro module. Chimes not working, but OnStar is - If vehicle was factory amplified and is now bypassed, ensure "Factory Amplifier" is turned off on the "Select how to configure your system" page when programming the Maestro module.
No sound from the Bose system (If equipped).	Make sure the amplifier turn on wire (Blue/White) of the T-Harness is connected to the radio's amplifier turn on wire. When flashing the Maestro make sure that the Amplifier in OEM Systems to Retain is selected. Make sure the RCA's are connected to the radio or the speaker wires are connected depending on your installation method.
Audio is very quiet or very loud.	Non amplified vehicles: ensure the AMP adapter is NOT plugged in between the white 8 pin plugs. Amplified vehicles: ensure the AMP adapter IS plugged in between the white 8 pin plugs.
(Vehicle using a GM2 harness only) Backup camera is not working and displays a black screen on radio when in reverse.	Ensure the 2-pin yellow plug is connected as shown on the diagram.
The light on the Maestro is flashing **RED ONCE**.	There is no firmware on the module; flash the RR module. DO NOT use demo mode.

TROUBLESHOOTING TABLE P2 /2

MAESTRO RR RESET PROCEDURE:

Turn the key to the OFF position, then disconnect all connectors from the module.
Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).
Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds to show the reset was successful.

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

IMPORTANT: To ensure proper operation, the aftermarket radio needs to have the latest firmware from the manufacturer. Please visit the radio manufacturer's website and look for any updates pertaining to your radio.

INSTALL GUIDE

2007-2011
CHEVROLET AVALANCHE

RETAINS STEERING WHEEL CONTROLS, ONSTAR, BLUETOOTH AND MORE!



PRODUITS REQUIS
Interface de remplacement d'autoradio: iDatalink Maestro RR ou RR2
Câblage : iDatalink Maestro HRR-GM5+

PROGRAMMED FIRMWARE
ADS-RR(SR)-GM05-AS

ADDITIONAL RESOURCES
Maestro RR2 Programmable Outputs Guide

OPTIONAL ACCESSORIES

ACC-SP1

HEAD UNIT ADAPTER:
ACC-HU-PIO1, SON1, KEN1, KEN2, ALP1

NOTICE: Automotive Data Solutions Inc. (ADS) recommends having this installation performed by a certified technician. Logos and trademarks used here in are the properties of their respective owners.

WELCOME

Congratulations on the purchase of your iDatalink Maestro RR Radio replacement solution. You are now a few simple steps away from enjoying your new car radio with enhanced features.

Before starting your installation, please ensure that your iDatalink Maestro module is programmed with the correct firmware for your vehicle and that you carefully review the install guide.

Please note that Maestro RR will only retain functionalities that were originally available in the vehicle.

TABLE OF CONTENTS

Before Installing	3
Installation Instructions	4
Wiring Diagram with an Amplifier	5
Wiring Diagram without an Amplifier	6
Radio Wire Reference Chart	7
Module Diagnostics	8
Troubleshooting Table	9

NEED HELP?

1 866 427-2999

maestro.support@idatalink.com

BEFORE INSTALLING P1 /1

STEP 1

DETERMINE IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

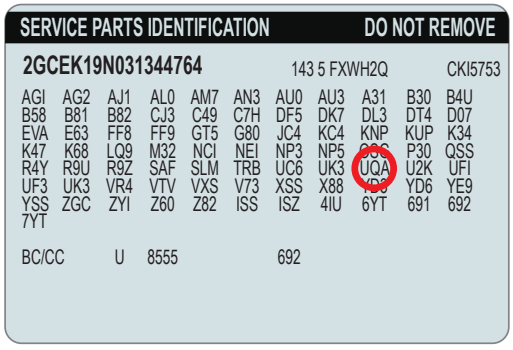
METHOD 1: Look for the following logos in the vehicle. They are usually on the speaker covers or on the radio unit. If you find any of the following logos Bose, Pioneer or Monsoon, you have a factory amplifier.

BOSE

Pioneer

MONSOON

METHOD 2: Look for the following sticker in the glove box. This sticker will indicate all the Regular Production Option (RPO) codes. If you find any of the following codes UQA, UQS or UQG, you have a factory amplifier.



STEP 2

IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **with an amplifier** and read the "**AMPLIFIER ONLY**" note to determine if you should use rca's or level matching circuits.

IF YOUR VEHICLE NOT IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **without an amplifier**.

Automotive Data Solutions Inc. © 2023

INSTALLATION INSTRUCTIONS P1/1

STEP 1

Remove the factory radio

If using head unit adapter (sold separately), connect HRR-GM5+ harness to adapter and skip to step 2.

- Unbox the aftermarket radio and locate its main harness.
- Cut and remove the black 20 pin connector from the HRR-GM5+ T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the HRR-GM5+ T-harness and match the wire functions.

  Note: only connect purple/white wire to radio reverse input or module damage will occur.

STEP 2

- Connect the factory harness to the HRR-GM5+ T-harness.
- Without AMP: Ensure that the WHITE 8 pin plugs are connected.
- With AMP: Connect the HRR-GM5+ 8 pin WHITE connectors to the AMP adapter.

STEP 3

- Plug the harnesses into the aftermarket radio.
- Connect the backup camera RCA cable into the aftermarket radio.
- With AMP: Connect the Center and SUB RCA cables.
- Plug the steering wheel control cable into the aftermarket radio.

STEP 4

- Connect the ACC-SP1 speaker to Maestro module.
- Connect all the harnesses to the Maestro RR module then test your installation.

OnStar, turn signal volume, or warning chime adjust:

- Turn ignition (IGN) on
- Open driver's door

Select to adjust:

OnStar level - Press OnStar button.

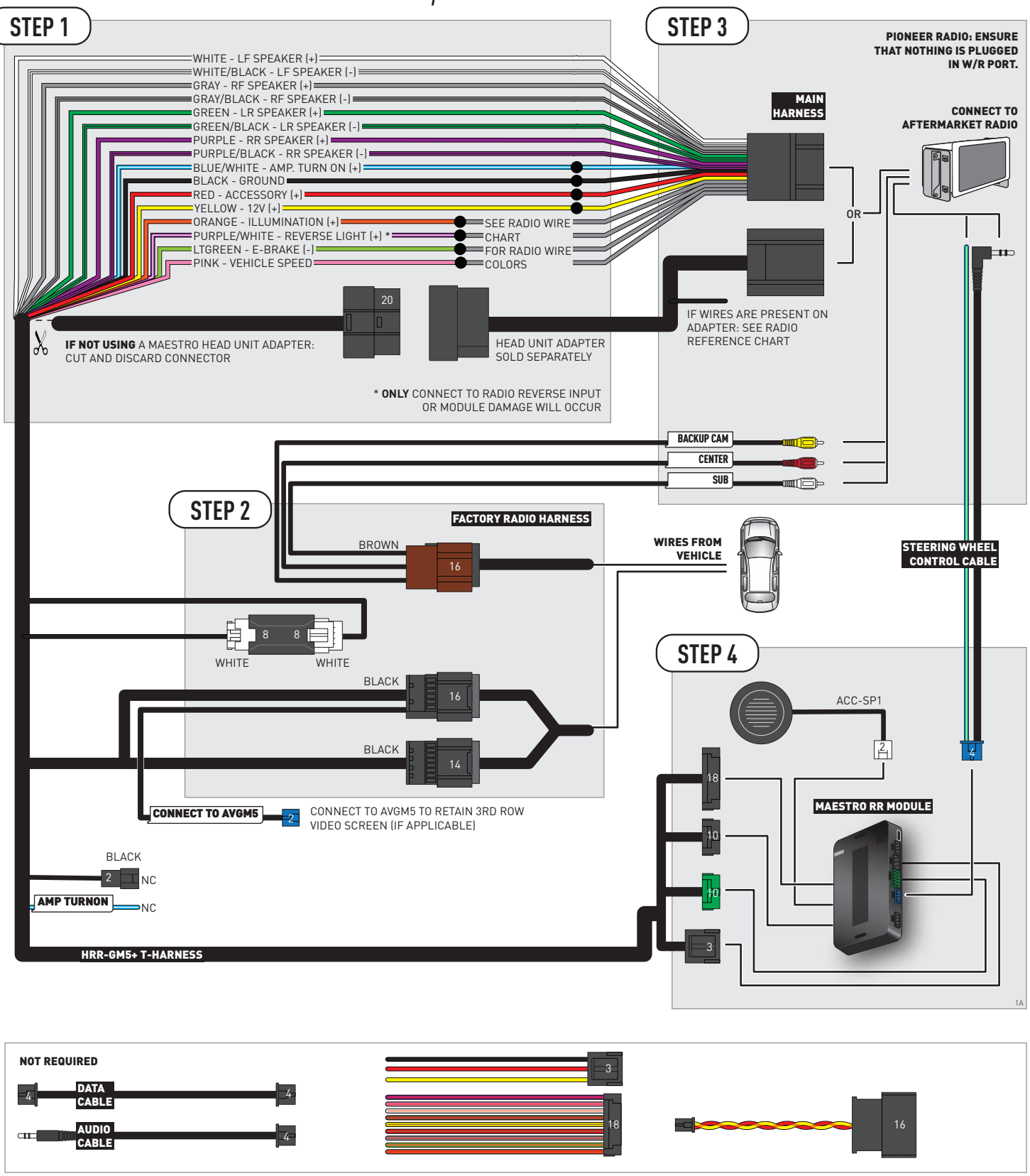
Turn signal level - activate either turn signal.

Warning chime level - turn headlight switch to parking light position (not AUTO).

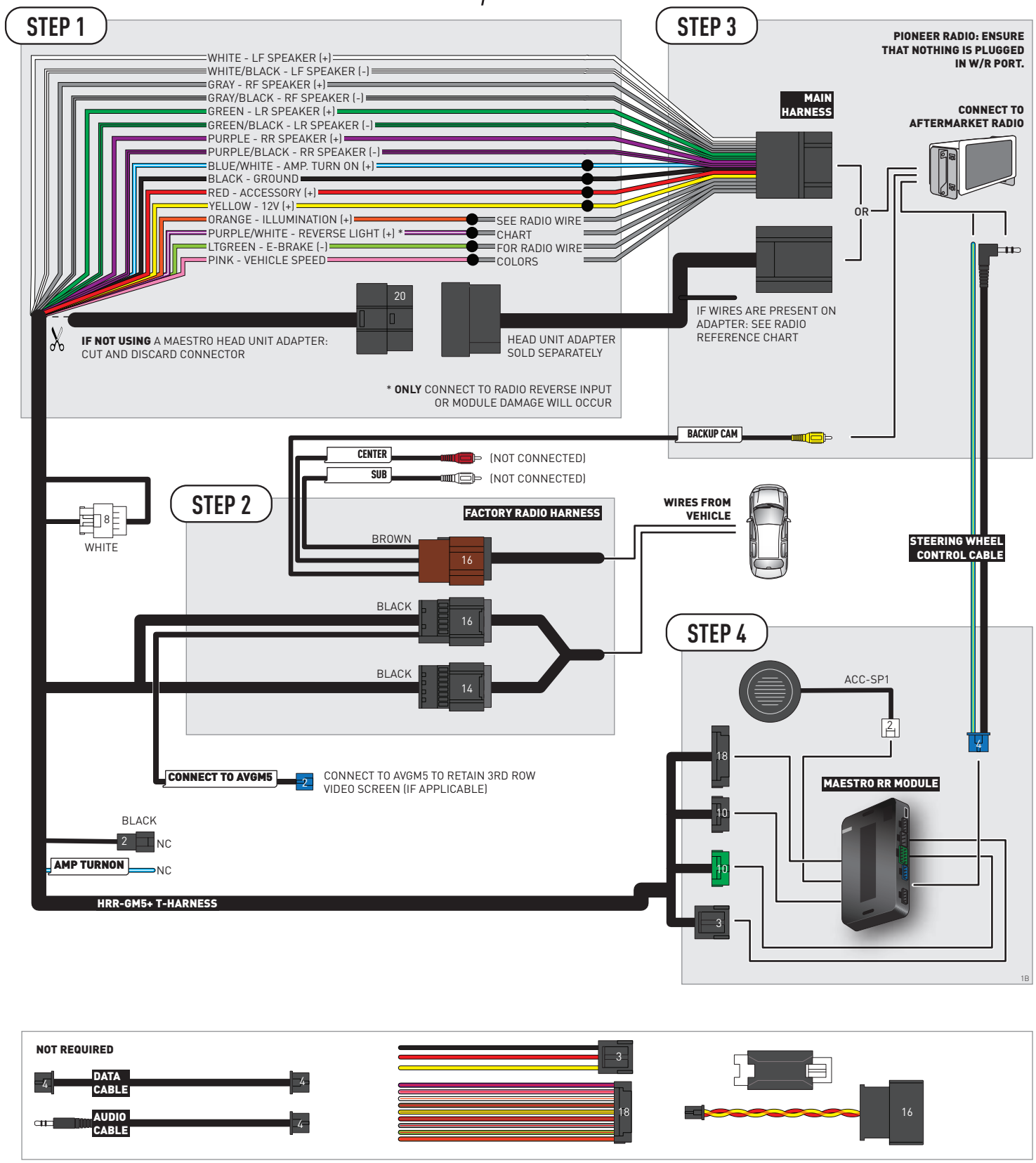
- Adjust volume using steering wheel volume up/down OR dimmer switch. If using dimmer switch, ensure headlight switch is NOT set to AUTO.

Automotive Data Solutions Inc. © 2023

WIRING DIAGRAM *with an Amplifier*



WIRING DIAGRAM *without an Amplifier*



RADIO WIRE REFERENCE CHART

GM5+ (GM2) T-harness Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/ JVC cable	Wire Color on Pioneer cable	Wire Color on Sony cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light*	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A
Power Antenna	(+)	Blue	Blue	Blue	Blue/White	Blue or Blue/White

Head unit adapter wiring (optional accessory, sold separately)

ACC-HU-ALP1 Wire Description	Polarity	Wire Color on Adapter	Alpine Radio
VSS (vehicle speed sensor)	(DATA)	Green/White	Green/White

ACC-HU-KEN1 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
CAM	(+)	Green/Red	Refer to camera/radio manual
CAM	(-)	Green/White	Refer to camera/radio manual
Steering Wheel Controls	(DATA)	Blue/Yellow	Connect if no iDatalink 4-pin port on radio

ACC-HU-KEN2 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
E-Brake	(-)	LtGreen	LtGreen
Reverse Light*	(+)	Purple/White	Purple/White
Steering Wheel Controls	(DATA)	Blue/Yellow	Connect if no iDatalink 4-pin port on radio

* Reverse light wire: Only connect to radio or module damage will occur.

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 (RR2) Bluetooth activity	LED STATUS	DIAGNOSTIC
● or ●		RED or GREEN flashing	LED flashes 1 or more times, either red or green, **when a steering wheel button is pressed** : normal operation.
●		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do NOT use DEMO MODE.
●		1 GREEN flash	After radio boots up : Normal operation.
	●	3 GREEN flashes	Bluetooth is activated. Turns off after one minute: Normal operation.
●	●	OFF	Normal operation (inactive).

VIDEO HELP		Installation, product information, vehicle specific videos.
VERIFY FLASH		Last flash information, steering control configuration, vehicle information.
WEBLINK		Software to program module.

TROUBLESHOOTING TABLE P1 /2

PROBLEM	SOLUTION
Steering wheel controls do not work but LED on the Maestro does blink when steering wheel buttons are pressed.	Ensure the blue 4-pin steering wheel control cable is connected between the Maestro and the radio. The radio will use either the 3.5mm jack OR the blue/yellow wire, not both. Connect the 3.5mm jack from the Maestro blue 4-pin cable to the radio's 3.5mm port (labeled steering, remote, or wheel). If no such port exists, wire the blue/yellow to blue/yellow (Kenwood/JVC) or to the radio's Key 1 wire (brands not listed/other) and secure the 3.5mm jack. It will not be used. Verify the buttons are set up in the flash. If any button is set to "none" for "press once", it will do nothing. "Hold" column can be left as none and the "press once" function will operate with one press and when holding the button. Refer to radio's owner's manual to verify if the radio has this function: • JVC/Kenwood : Steering Wheel Control (ON/OFF): choose ON • Nakamichi : if model is listed, ensure PAC mode is on. If "other", learn the buttons in the radio steering wheel menu. • Sony : Steering Wheel Control (Custom/Preset): choose Preset. If phone buttons do not operate properly, flash the module as Pioneer – 2009 and newer with BT. Then select "custom" instead of "preset" and learn the buttons in the radio menu. • Other brands – radio should have a steering wheel menu to learn the buttons. You may have to select type A/B/C/1/2/3 and try learning again if buttons are not saving. Refer to radio manufacturer's tech support for further advice if not learning properly.
Radio does not turn on.	Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.
No sound from OnStar and/or no warning or turn signal chimes.	Plug the chime speaker in. Only turn signal chimes not working - verify "Turn Signal Reminder" is set to "Click in speaker" when programming the Maestro module. Chimes not working, but OnStar is - If vehicle was factory amplified and is now bypassed, ensure "Factory Amplifier" is turned off on the "Select how to configure your system" page when programming the Maestro module.
No sound from the Bose system (If equipped).	Make sure the amplifier turn on wire (Blue/White) of the T-Harness is connected to the radio's amplifier turn on wire. When flashing the Maestro make sure that the Amplifier in OEM Systems to Retain is selected. Make sure the RCA's are connected to the radio or the speaker wires are connected depending on your installation method.
Audio is very quiet or very loud.	Non amplified vehicles: ensure the AMP adapter is NOT plugged in between the white 8 pin plugs. Amplified vehicles: ensure the AMP adapter IS plugged in between the white 8 pin plugs.
(Vehicle using a GM2 harness only) Backup camera is not working and displays a black screen on radio when in reverse.	Ensure the 2-pin yellow plug is connected as shown on the diagram.
The light on the Maestro is flashing **RED ONCE**.	There is no firmware on the module; flash the RR module. DO NOT use demo mode.

TROUBLESHOOTING TABLE P2 /2

MAESTRO RR RESET PROCEDURE:

Turn the key to the OFF position, then disconnect all connectors from the module.
Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).
Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds to show the reset was successful.

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

IMPORTANT: To ensure proper operation, the aftermarket radio needs to have the latest firmware from the manufacturer. Please visit the radio manufacturer's website and look for any updates pertaining to your radio.

INSTALL GUIDE

2012-2013
CHEVROLET AVALANCHE
WITH NAV

RETAINS STEERING WHEEL CONTROLS, ONSTAR, BLUETOOTH AND MORE!



PRODUITS REQUIS
Interface de remplacement d'autoradio: iDatalink Maestro RR ou RR2
Câblage : iDatalink Maestro HRR-GM2

PROGRAMMED FIRMWARE
ADS-RR(SR)-GM05-AS

ADDITIONAL RESOURCES
Maestro RR2 Programmable Outputs Guide

OPTIONAL ACCESSORIES

ACC-SP1

HEAD UNIT ADAPTER:
ACC-HU-PIO1, SON1, KEN1, KEN2, ALP1

NOTICE: Automotive Data Solutions Inc. (ADS) recommends having this installation performed by a certified technician. Logos and trademarks used here in are the properties of their respective owners.

WELCOME

Congratulations on the purchase of your iDatalink Maestro RR Radio replacement solution. You are now a few simple steps away from enjoying your new car radio with enhanced features.

Before starting your installation, please ensure that your iDatalink Maestro module is programmed with the correct firmware for your vehicle and that you carefully review the install guide.

Please note that Maestro RR will only retain functionalities that were originally available in the vehicle.

TABLE OF CONTENTS

Before Installing	3
Installation Instructions	4
Wiring Diagram with an Amplifier	5
Wiring Diagram without an Amplifier	6
Radio Wire Reference Chart	7
Module Diagnostics	8
Troubleshooting Table	9

NEED HELP?

1 866 427-2999

maestro.support@idatalink.com

BEFORE INSTALLING P1 /1

STEP 1

DETERMINE IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

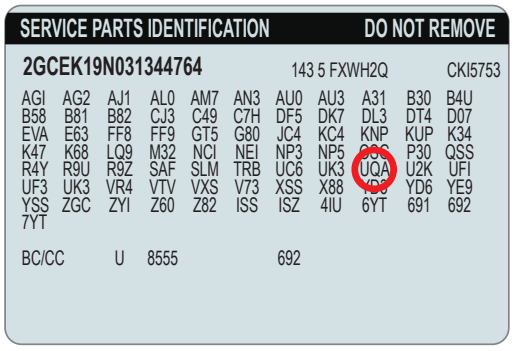
METHOD 1: Look for the following logos in the vehicle. They are usually on the speaker covers or on the radio unit. If you find any of the following logos Bose, Pioneer or Monsoon, you have a factory amplifier.

BOSE

Pioneer

MONSOON

METHOD 2: Look for the following sticker in the glove box. This sticker will indicate all the Regular Production Option (RPO) codes. If you find any of the following codes UQA, UQS or UQG, you have a factory amplifier.



STEP 2

IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **with an amplifier** and read the "**AMPLIFIER ONLY**" note to determine if you should use rca's or level matching circuits.

IF YOUR VEHICLE NOT IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **without an amplifier**.

Automotive Data Solutions Inc. © 2023

INSTALLATION INSTRUCTIONS P1/1

STEP 1

Remove the factory radio

If using head unit adapter (sold separately), connect HRR-GM2 harness to adapter and skip to step 2.

- Unbox the aftermarket radio and locate its main harness.
- Cut and remove the black 20 pin connector from the HRR-GM2 T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the HRR-GM2 T-harness and match the wire functions.

  Note: only connect purple/white wire to radio reverse input or module damage will occur.

STEP 2

- Connect the YELLOW 2 pin connector of the backup camera cable to the YELLOW connector (CAM 1) of the backup camera adapter. Connect GRAY connector of adapter to the vehicle backup camera harness.

STEP 3

- Connect the factory harness to the HRR-GM2 T-harness.
- Ensure that the RED 2 pin plugs are connected.
- Without AMP: Ensure that the WHITE 8 pin plugs are connected.
- With AMP: Connect the HRR-GM2 8 pin WHITE connectors to the AMP adapter.

STEP 4

- Plug the harnesses into the aftermarket radio.
- Connect the backup camera RCA cable into the aftermarket radio.
- Plug the steering wheel control cable into the aftermarket radio.

STEP 5

- Connect the ACC-SP1 speaker to Maestro module.
- Connect all the harnesses to the Maestro RR module then test your installation.

OnStar, turn signal volume, or warning chime adjust:

- Turn ignition (IGN) on
- Open driver's door

Select to adjust:

OnStar level - Press OnStar button.

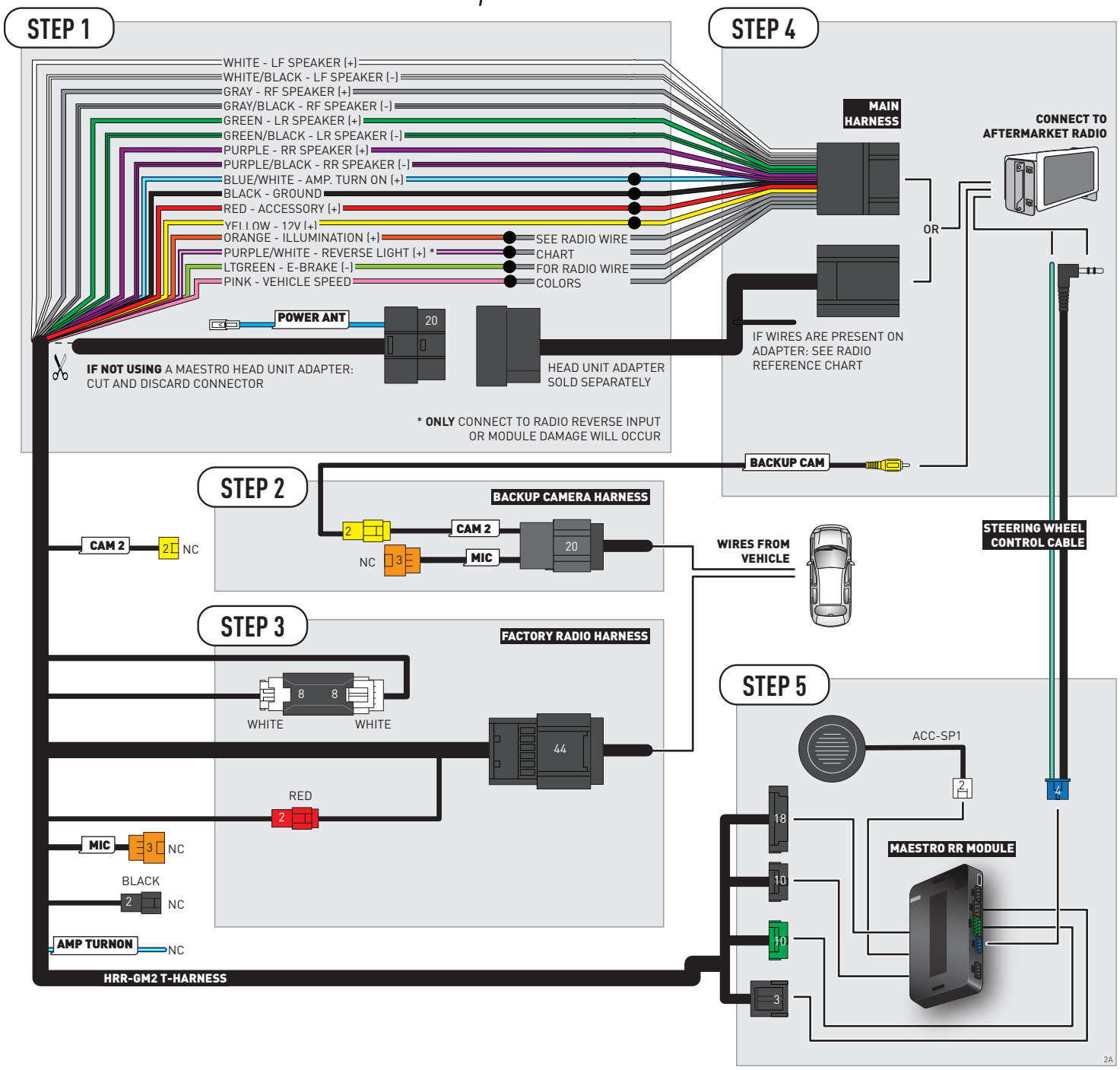
Turn signal level - activate either turn signal.

Warning chime level - turn headlight switch to parking light position (not AUTO).

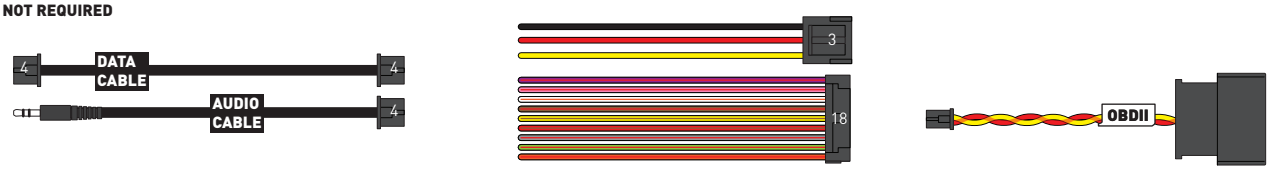
- Adjust volume using steering wheel volume up/down OR dimmer switch. If using dimmer switch, ensure headlight switch is NOT set to AUTO.

Automotive Data Solutions Inc. © 2023

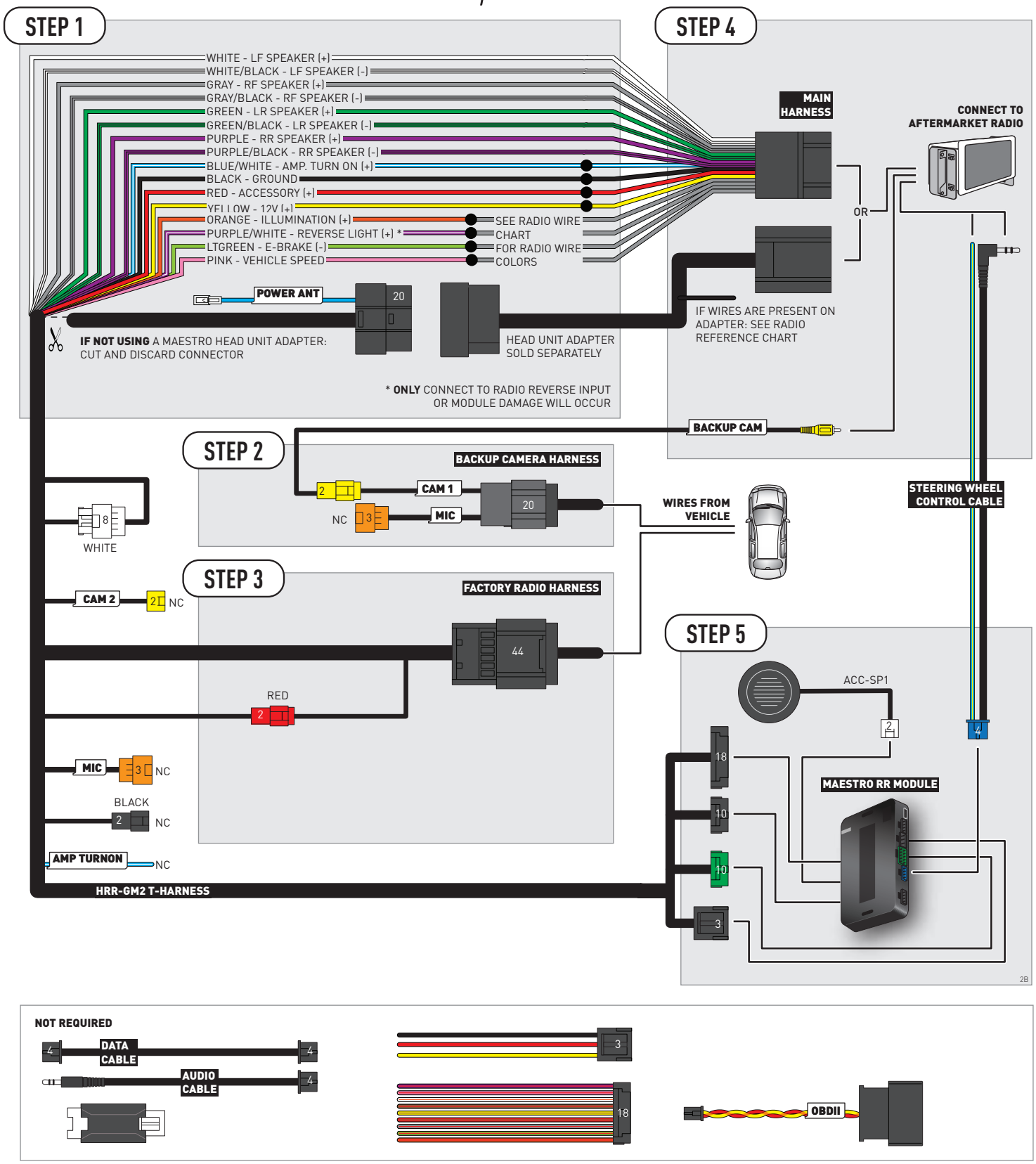
WIRING DIAGRAM *with an Amplifier*



NOT REQUIRED



WIRING DIAGRAM *without an Amplifier*



RADIO WIRE REFERENCE CHART

GM5+ (GM2) T-harness Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/ JVC cable	Wire Color on Pioneer cable	Wire Color on Sony cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light*	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A
Power Antenna	(+)	Blue	Blue	Blue	Blue/White	Blue or Blue/White

Head unit adapter wiring (optional accessory, sold separately)

ACC-HU-ALP1 Wire Description	Polarity	Wire Color on Adapter	Alpine Radio
VSS (vehicle speed sensor)	(DATA)	Green/White	Green/White

ACC-HU-KEN1 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
CAM	(+)	Green/Red	Refer to camera/radio manual
CAM	(-)	Green/White	Refer to camera/radio manual
Steering Wheel Controls	(DATA)	Blue/Yellow	Connect if no iDatalink 4-pin port on radio

ACC-HU-KEN2 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
E-Brake	(-)	LtGreen	LtGreen
Reverse Light*	(+)	Purple/White	Purple/White
Steering Wheel Controls	(DATA)	Blue/Yellow	Connect if no iDatalink 4-pin port on radio

* Reverse light wire: Only connect to radio or module damage will occur.

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 (RR2) Bluetooth activity	LED STATUS	DIAGNOSTIC
● or ●		RED or GREEN flashing	LED flashes 1 or more times, either red or green, **when a steering wheel button is pressed** : normal operation.
●		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do NOT use DEMO MODE.
●		1 GREEN flash	After radio boots up : Normal operation.
	●	3 GREEN flashes	Bluetooth is activated. Turns off after one minute: Normal operation.
●	●	OFF	Normal operation (inactive).

VIDEO HELP		Installation, product information, vehicle specific videos.
VERIFY FLASH		Last flash information, steering control configuration, vehicle information.
WEBLINK		Software to program module.

TROUBLESHOOTING TABLE P1 /2

PROBLEM	SOLUTION
Steering wheel controls do not work but LED on the Maestro does blink when steering wheel buttons are pressed.	Ensure the blue 4-pin steering wheel control cable is connected between the Maestro and the radio. The radio will use either the 3.5mm jack OR the blue/yellow wire, not both. Connect the 3.5mm jack from the Maestro blue 4-pin cable to the radio's 3.5mm port (labeled steering, remote, or wheel). If no such port exists, wire the blue/yellow to blue/yellow (Kenwood/JVC) or to the radio's Key 1 wire (brands not listed/other) and secure the 3.5mm jack. It will not be used. Verify the buttons are set up in the flash. If any button is set to "none" for "press once", it will do nothing. "Hold" column can be left as none and the "press once" function will operate with one press and when holding the button. Refer to radio's owner's manual to verify if the radio has this function: • JVC/Kenwood : Steering Wheel Control (ON/OFF): choose ON • Nakamichi : if model is listed, ensure PAC mode is on. If "other", learn the buttons in the radio steering wheel menu. • Sony : Steering Wheel Control (Custom/Preset): choose Preset. If phone buttons do not operate properly, flash the module as Pioneer – 2009 and newer with BT. Then select "custom" instead of "preset" and learn the buttons in the radio menu. • Other brands – radio should have a steering wheel menu to learn the buttons. You may have to select type A/B/C/1/2/3 and try learning again if buttons are not saving. Refer to radio manufacturer's tech support for further advice if not learning properly.
Radio does not turn on.	Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.
No sound from OnStar and/or no warning or turn signal chimes.	Plug the chime speaker in. Only turn signal chimes not working - verify "Turn Signal Reminder" is set to "Click in speaker" when programming the Maestro module. Chimes not working, but OnStar is - If vehicle was factory amplified and is now bypassed, ensure "Factory Amplifier" is turned off on the "Select how to configure your system" page when programming the Maestro module.
No sound from the Bose system (If equipped).	Make sure the amplifier turn on wire (Blue/White) of the T-Harness is connected to the radio's amplifier turn on wire. When flashing the Maestro make sure that the Amplifier in OEM Systems to Retain is selected. Make sure the RCA's are connected to the radio or the speaker wires are connected depending on your installation method.
Audio is very quiet or very loud.	Non amplified vehicles: ensure the AMP adapter is NOT plugged in between the white 8 pin plugs. Amplified vehicles: ensure the AMP adapter IS plugged in between the white 8 pin plugs.
(Vehicle using a GM2 harness only) Backup camera is not working and displays a black screen on radio when in reverse.	Ensure the 2-pin yellow plug is connected as shown on the diagram.
The light on the Maestro is flashing **RED ONCE**.	There is no firmware on the module; flash the RR module. DO NOT use demo mode.

TROUBLESHOOTING TABLE P2 /2

MAESTRO RR RESET PROCEDURE:

Turn the key to the OFF position, then disconnect all connectors from the module.
Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).
Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds to show the reset was successful.

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

IMPORTANT: To ensure proper operation, the aftermarket radio needs to have the latest firmware from the manufacturer. Please visit the radio manufacturer's website and look for any updates pertaining to your radio.

INSTALL GUIDE

2012-2013
CHEVROLET AVALANCHE
WITHOUT NAV

RETAINS STEERING WHEEL CONTROLS, ONSTAR, BLUETOOTH AND MORE!



PRODUITS REQUIS
Interface de remplacement d'autoradio: iDatalink Maestro RR ou RR2
Câblage : iDatalink Maestro HRR-GM5+

PROGRAMMED FIRMWARE
ADS-RR(SR)-GM05-AS

ADDITIONAL RESOURCES
Maestro RR2 Programmable Outputs Guide

OPTIONAL ACCESSORIES

ACC-SP1

HEAD UNIT ADAPTER:
ACC-HU-PIO1, SON1, KEN1, KEN2, ALP1

NOTICE: Automotive Data Solutions Inc. (ADS) recommends having this installation performed by a certified technician. Logos and trademarks used here in are the properties of their respective owners.

WELCOME

Congratulations on the purchase of your iDatalink Maestro RR Radio replacement solution. You are now a few simple steps away from enjoying your new car radio with enhanced features.

Before starting your installation, please ensure that your iDatalink Maestro module is programmed with the correct firmware for your vehicle and that you carefully review the install guide.

Please note that Maestro RR will only retain functionalities that were originally available in the vehicle.

TABLE OF CONTENTS

Before Installing	3
Installation Instructions	4
Wiring Diagram with an Amplifier	5
Wiring Diagram without an Amplifier	6
Radio Wire Reference Chart	7
Module Diagnostics	8
Troubleshooting Table	9

NEED HELP?

1 866 427-2999

maestro.support@idatalink.com

BEFORE INSTALLING P1 /1

STEP 1

DETERMINE IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

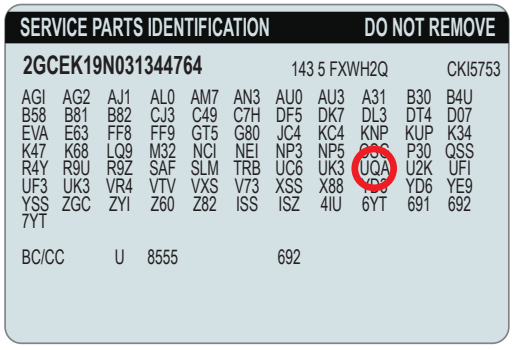
METHOD 1: Look for the following logos in the vehicle. They are usually on the speaker covers or on the radio unit. If you find any of the following logos Bose, Pioneer or Monsoon, you have a factory amplifier.

BOSE

Pioneer

MONSOON

METHOD 2: Look for the following sticker in the glove box. This sticker will indicate all the Regular Production Option (RPO) codes. If you find any of the following codes UQA, UQS or UQG, you have a factory amplifier.



STEP 2

IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **with an amplifier** and read the "**AMPLIFIER ONLY**" note to determine if you should use rca's or level matching circuits.

IF YOUR VEHICLE NOT IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **without an amplifier**.

Automotive Data Solutions Inc. © 2023

INSTALLATION INSTRUCTIONS P1/1

STEP 1

Remove the factory radio

If using head unit adapter (sold separately), connect HRR-GM5+ harness to adapter and skip to step 2.

- Unbox the aftermarket radio and locate its main harness.
- Cut and remove the black 20 pin connector from the HRR-GM5+ T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the HRR-GM5+ T-harness and match the wire functions.

  Note: only connect purple/white wire to radio reverse input or module damage will occur.

STEP 2

- Connect the factory harness to the HRR-GM5+ T-harness.
- Without AMP: Ensure that the WHITE 8 pin plugs are connected.
- With AMP: Connect the HRR-GM5+ 8 pin WHITE connectors to the AMP adapter.

STEP 3

- Plug the harnesses into the aftermarket radio.
- Connect the backup camera RCA cable into the aftermarket radio.
- With AMP: Connect the Center and SUB RCA cables.
- Plug the steering wheel control cable into the aftermarket radio.

STEP 4

- Connect the ACC-SP1 speaker to Maestro module.
- Connect all the harnesses to the Maestro RR module then test your installation.

OnStar, turn signal volume, or warning chime adjust:

- Turn ignition (IGN) on
- Open driver's door

Select to adjust:

OnStar level - Press OnStar button.

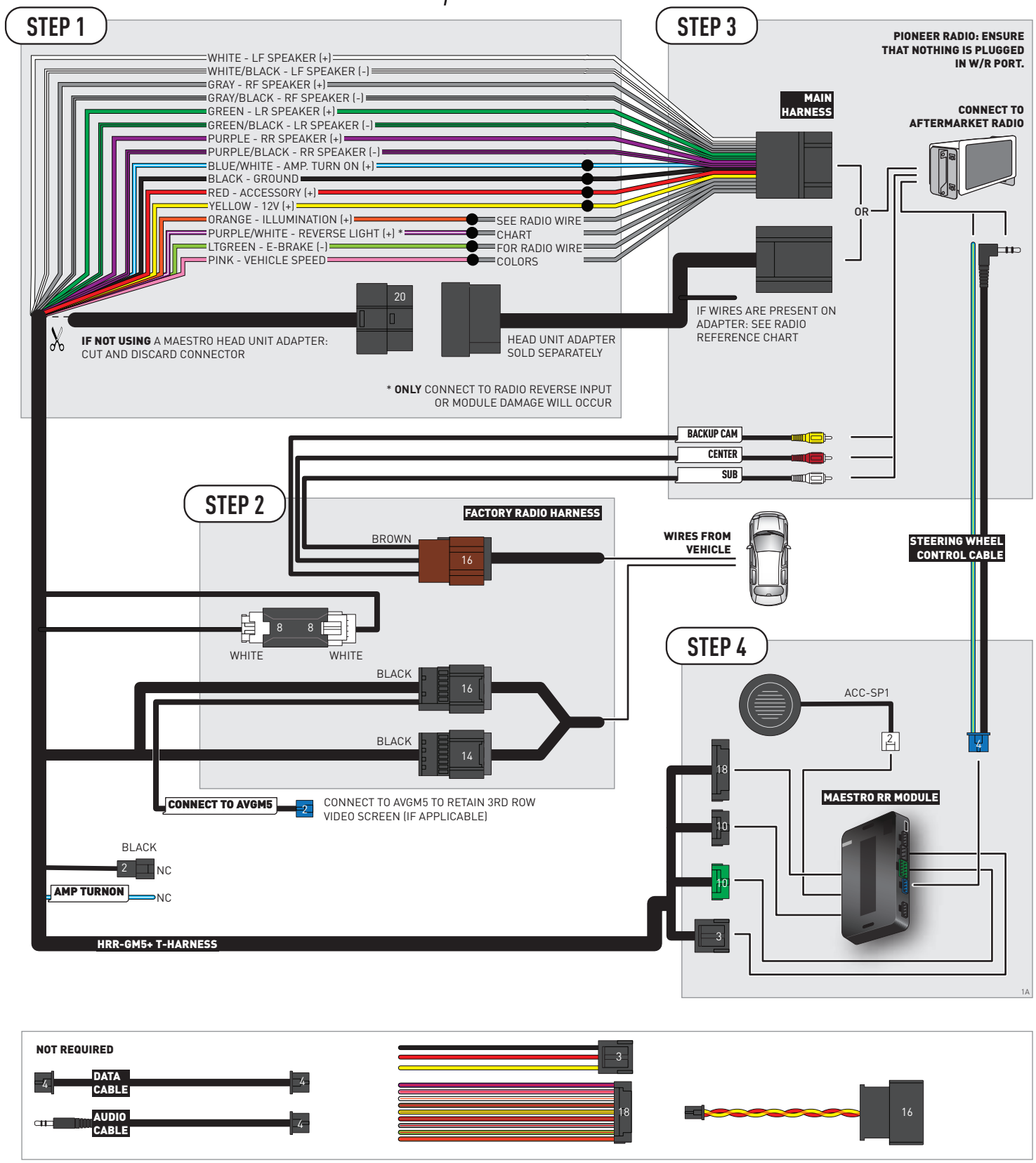
Turn signal level - activate either turn signal.

Warning chime level - turn headlight switch to parking light position (not AUTO).

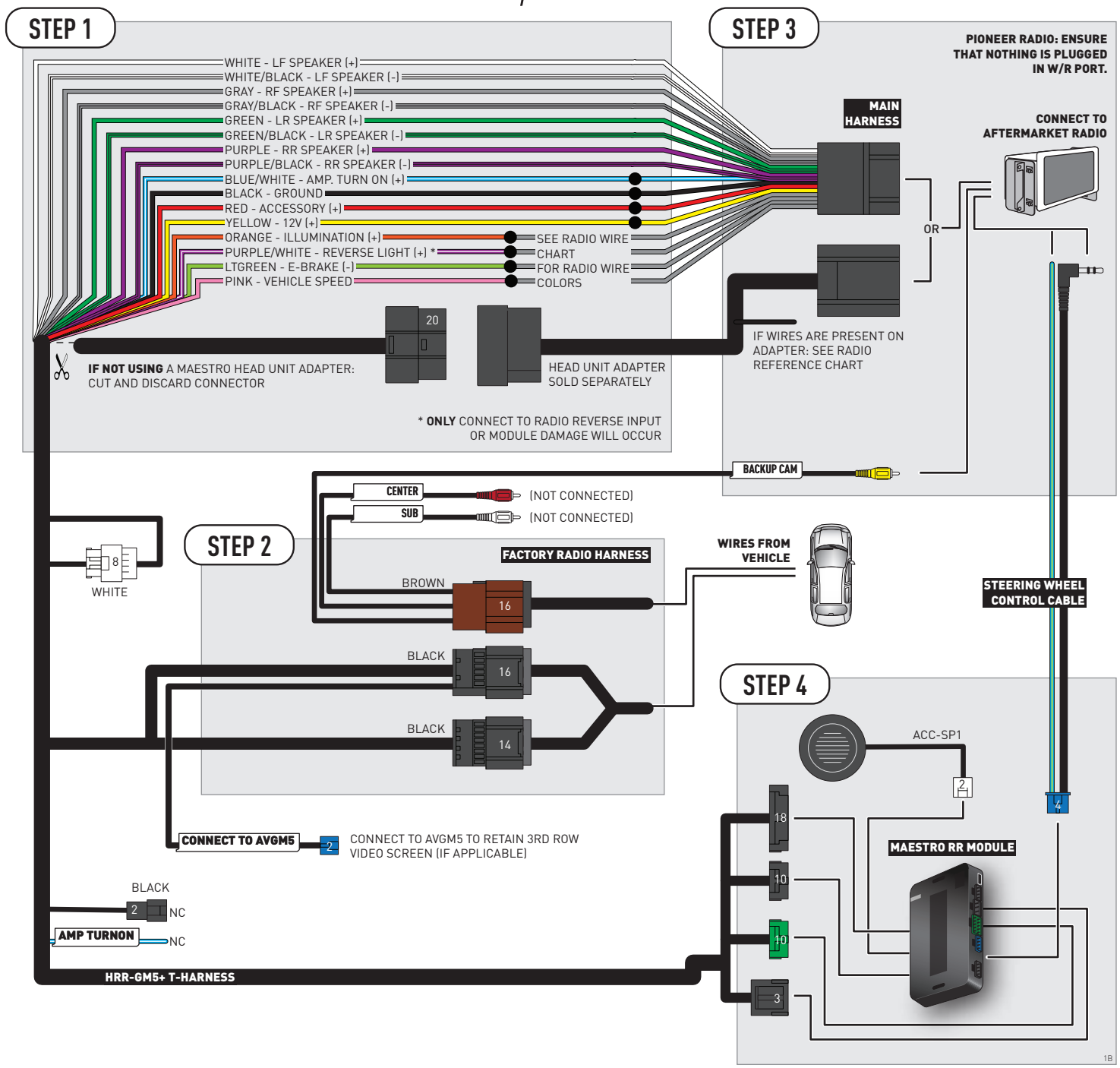
- Adjust volume using steering wheel volume up/down OR dimmer switch. If using dimmer switch, ensure headlight switch is NOT set to AUTO.

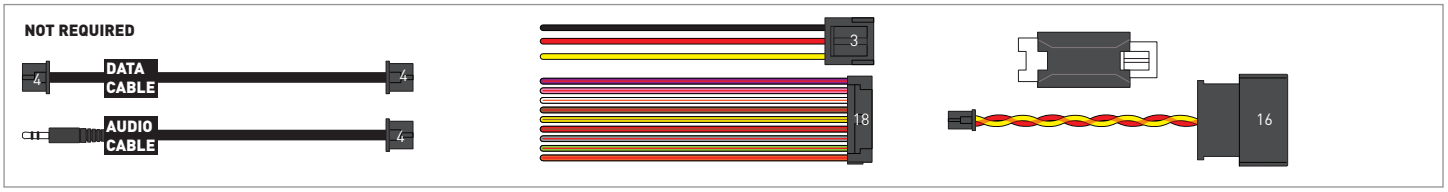
1

WIRING DIAGRAM *with an Amplifier*



WIRING DIAGRAM *without an Amplifier*





RADIO WIRE REFERENCE CHART

GM5+ (GM2) T-harness Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/ JVC cable	Wire Color on Pioneer cable	Wire Color on Sony cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light*	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A
Power Antenna	(+)	Blue	Blue	Blue	Blue/White	Blue or Blue/White

Head unit adapter wiring (optional accessory, sold separately)

ACC-HU-ALP1 Wire Description	Polarity	Wire Color on Adapter	Alpine Radio
VSS (vehicle speed sensor)	(DATA)	Green/White	Green/White

ACC-HU-KEN1 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
CAM	(+)	Green/Red	Refer to camera/radio manual
CAM	(-)	Green/White	Refer to camera/radio manual
Steering Wheel Controls	(DATA)	Blue/Yellow	Connect if no iDatalink 4-pin port on radio

ACC-HU-KEN2 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
E-Brake	(-)	LtGreen	LtGreen
Reverse Light*	(+)	Purple/White	Purple/White
Steering Wheel Controls	(DATA)	Blue/Yellow	Connect if no iDatalink 4-pin port on radio

* Reverse light wire: Only connect to radio or module damage will occur.

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 (RR2) Bluetooth activity	LED STATUS	DIAGNOSTIC
● or ●		RED or GREEN flashing	LED flashes 1 or more times, either red or green, **when a steering wheel button is pressed** : normal operation.
●		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do NOT use DEMO MODE.
●		1 GREEN flash	After radio boots up : Normal operation.
	●	3 GREEN flashes	Bluetooth is activated. Turns off after one minute: Normal operation.
●	●	OFF	Normal operation (inactive).

VIDEO HELP		Installation, product information, vehicle specific videos.
VERIFY FLASH		Last flash information, steering control configuration, vehicle information.
WEBLINK		Software to program module.

TROUBLESHOOTING TABLE P1 /2

PROBLEM	SOLUTION
Steering wheel controls do not work but LED on the Maestro does blink when steering wheel buttons are pressed.	Ensure the blue 4-pin steering wheel control cable is connected between the Maestro and the radio. The radio will use either the 3.5mm jack OR the blue/yellow wire, not both. Connect the 3.5mm jack from the Maestro blue 4-pin cable to the radio's 3.5mm port (labeled steering, remote, or wheel). If no such port exists, wire the blue/yellow to blue/yellow (Kenwood/JVC) or to the radio's Key 1 wire (brands not listed/other) and secure the 3.5mm jack. It will not be used. Verify the buttons are set up in the flash. If any button is set to "none" for "press once", it will do nothing. "Hold" column can be left as none and the "press once" function will operate with one press and when holding the button. Refer to radio's owner's manual to verify if the radio has this function: • JVC/Kenwood : Steering Wheel Control (ON/OFF): choose ON • Nakamichi : if model is listed, ensure PAC mode is on. If "other", learn the buttons in the radio steering wheel menu. • Sony : Steering Wheel Control (Custom/Preset): choose Preset. If phone buttons do not operate properly, flash the module as Pioneer – 2009 and newer with BT. Then select "custom" instead of "preset" and learn the buttons in the radio menu. • Other brands – radio should have a steering wheel menu to learn the buttons. You may have to select type A/B/C/1/2/3 and try learning again if buttons are not saving. Refer to radio manufacturer's tech support for further advice if not learning properly.
Radio does not turn on.	Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.
No sound from OnStar and/or no warning or turn signal chimes.	Plug the chime speaker in. Only turn signal chimes not working - verify "Turn Signal Reminder" is set to "Click in speaker" when programming the Maestro module. Chimes not working, but OnStar is - If vehicle was factory amplified and is now bypassed, ensure "Factory Amplifier" is turned off on the "Select how to configure your system" page when programming the Maestro module.
No sound from the Bose system (If equipped).	Make sure the amplifier turn on wire (Blue/White) of the T-Harness is connected to the radio's amplifier turn on wire. When flashing the Maestro make sure that the Amplifier in OEM Systems to Retain is selected. Make sure the RCA's are connected to the radio or the speaker wires are connected depending on your installation method.
Audio is very quiet or very loud.	Non amplified vehicles: ensure the AMP adapter is NOT plugged in between the white 8 pin plugs. Amplified vehicles: ensure the AMP adapter IS plugged in between the white 8 pin plugs.
(Vehicle using a GM2 harness only) Backup camera is not working and displays a black screen on radio when in reverse.	Ensure the 2-pin yellow plug is connected as shown on the diagram.
The light on the Maestro is flashing **RED ONCE**.	There is no firmware on the module; flash the RR module. DO NOT use demo mode.

TROUBLESHOOTING TABLE P2 /2

MAESTRO RR RESET PROCEDURE:

Turn the key to the OFF position, then disconnect all connectors from the module.
Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).
Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds to show the reset was successful.

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

IMPORTANT: To ensure proper operation, the aftermarket radio needs to have the latest firmware from the manufacturer. Please visit the radio manufacturer's website and look for any updates pertaining to your radio.

INSTALL GUIDE

2012-2015
CHEVROLET CAPTIVA SPORT

RETAINS STEERING WHEEL CONTROLS, ONSTAR, BLUETOOTH AND MORE!



PRODUITS REQUIS
Interface de remplacement d'autoradio: iDatalink Maestro RR ou RR2
Câblage : iDatalink Maestro HRR-GM5+

PROGRAMMED FIRMWARE
ADS-RR(SR)-GM05-AS

ADDITIONAL RESOURCES
Maestro RR2 Programmable Outputs Guide

OPTIONAL ACCESSORIES

ACC-SP1

HEAD UNIT ADAPTER:
ACC-HU-PIO1, SON1, KEN1, KEN2, ALP1

NOTICE: Automotive Data Solutions Inc. (ADS) recommends having this installation performed by a certified technician. Logos and trademarks used here in are the properties of their respective owners.

WELCOME

Congratulations on the purchase of your iDatalink Maestro RR Radio replacement solution. You are now a few simple steps away from enjoying your new car radio with enhanced features.

Before starting your installation, please ensure that your iDatalink Maestro module is programmed with the correct firmware for your vehicle and that you carefully review the install guide.

Please note that Maestro RR will only retain functionalities that were originally available in the vehicle.

TABLE OF CONTENTS

Before Installing	3
Installation Instructions	4
Wiring Diagram with an Amplifier	5
Wiring Diagram without an Amplifier	6
Radio Wire Reference Chart	7
Module Diagnostics	8
Troubleshooting Table	9

NEED HELP?

1 866 427-2999

maestro.support@idatalink.com

BEFORE INSTALLING P1 /1

STEP 1

DETERMINE IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

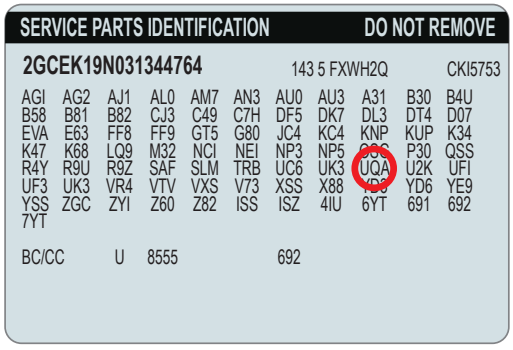
METHOD 1: Look for the following logos in the vehicle. They are usually on the speaker covers or on the radio unit. If you find any of the following logos Bose, Pioneer or Monsoon, you have a factory amplifier.

BOSE

Pioneer

MONSOON

METHOD 2: Look for the following sticker in the glove box. This sticker will indicate all the Regular Production Option (RPO) codes. If you find any of the following codes UQA, UQS or UQG, you have a factory amplifier.



STEP 2

IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **with an amplifier** and read the "**AMPLIFIER ONLY**" note to determine if you should use rca's or level matching circuits.

IF YOUR VEHICLE NOT IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **without an amplifier**.

Automotive Data Solutions Inc. © 2023

INSTALLATION INSTRUCTIONS P1/1

STEP 1

Remove the factory radio

If using head unit adapter (sold separately), connect HRR-GM5+ harness to adapter and skip to step 2.

- Unbox the aftermarket radio and locate its main harness.
- Cut and remove the black 20 pin connector from the HRR-GM5+ T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the HRR-GM5+ T-harness and match the wire functions.

  Note: only connect purple/white wire to radio reverse input or module damage will occur.

STEP 2

- Connect the factory harness to the HRR-GM5+ T-harness.
- Without AMP: Ensure that the WHITE 8 pin plugs are connected.
- With AMP: Connect the HRR-GM5+ 8 pin WHITE connectors to the AMP adapter.

STEP 3

- Plug the harnesses into the aftermarket radio.
- Connect the backup camera RCA cable into the aftermarket radio.
- With AMP: Connect the Center and SUB RCA cables.
- Plug the steering wheel control cable into the aftermarket radio.

STEP 4

- Connect the ACC-SP1 speaker to Maestro module.
- Connect all the harnesses to the Maestro RR module then test your installation.

OnStar, turn signal volume, or warning chime adjust:

- Turn ignition (IGN) on
- Open driver's door

Select to adjust:

OnStar level - Press OnStar button.

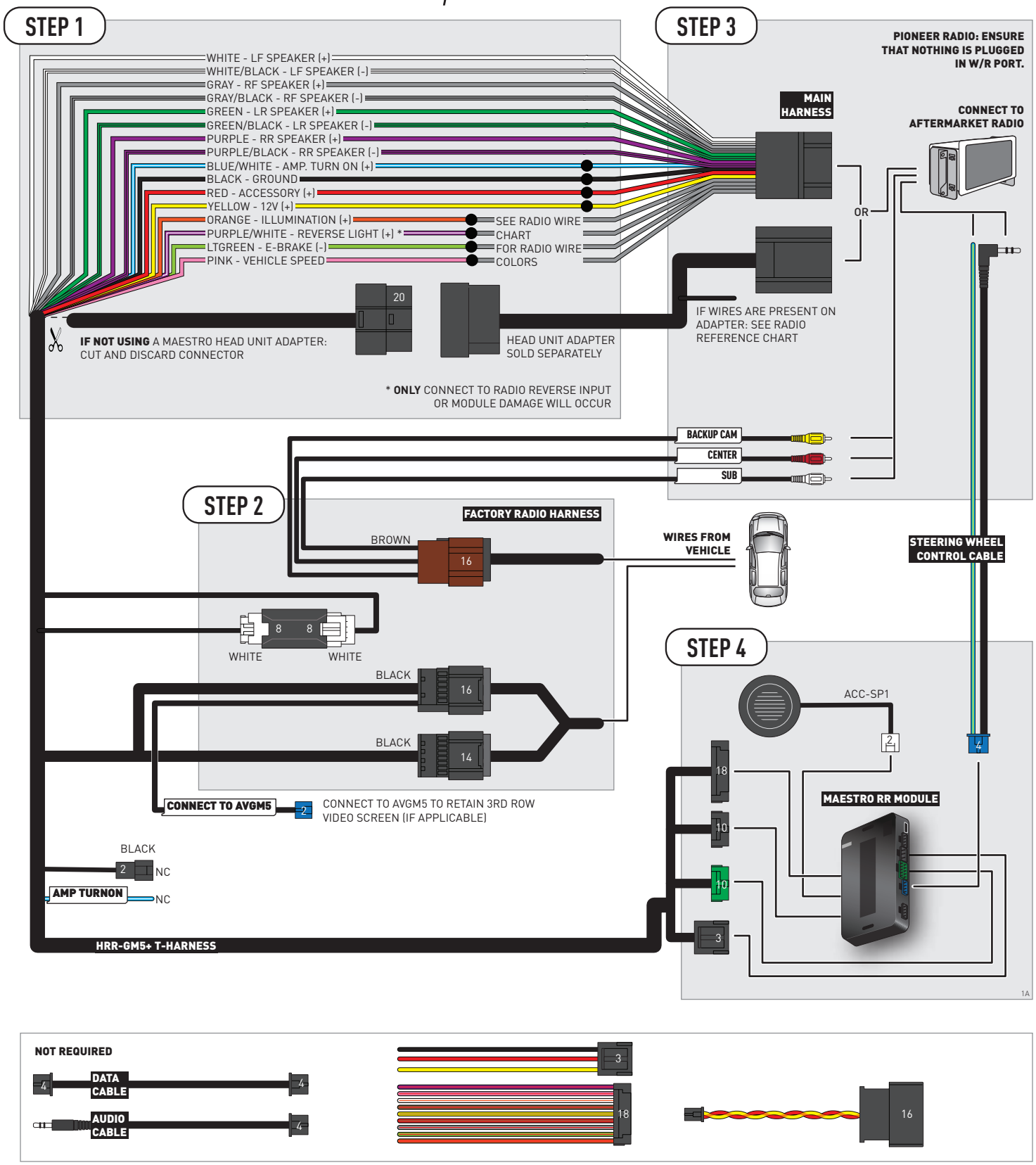
Turn signal level - activate either turn signal.

Warning chime level - turn headlight switch to parking light position (not AUTO).

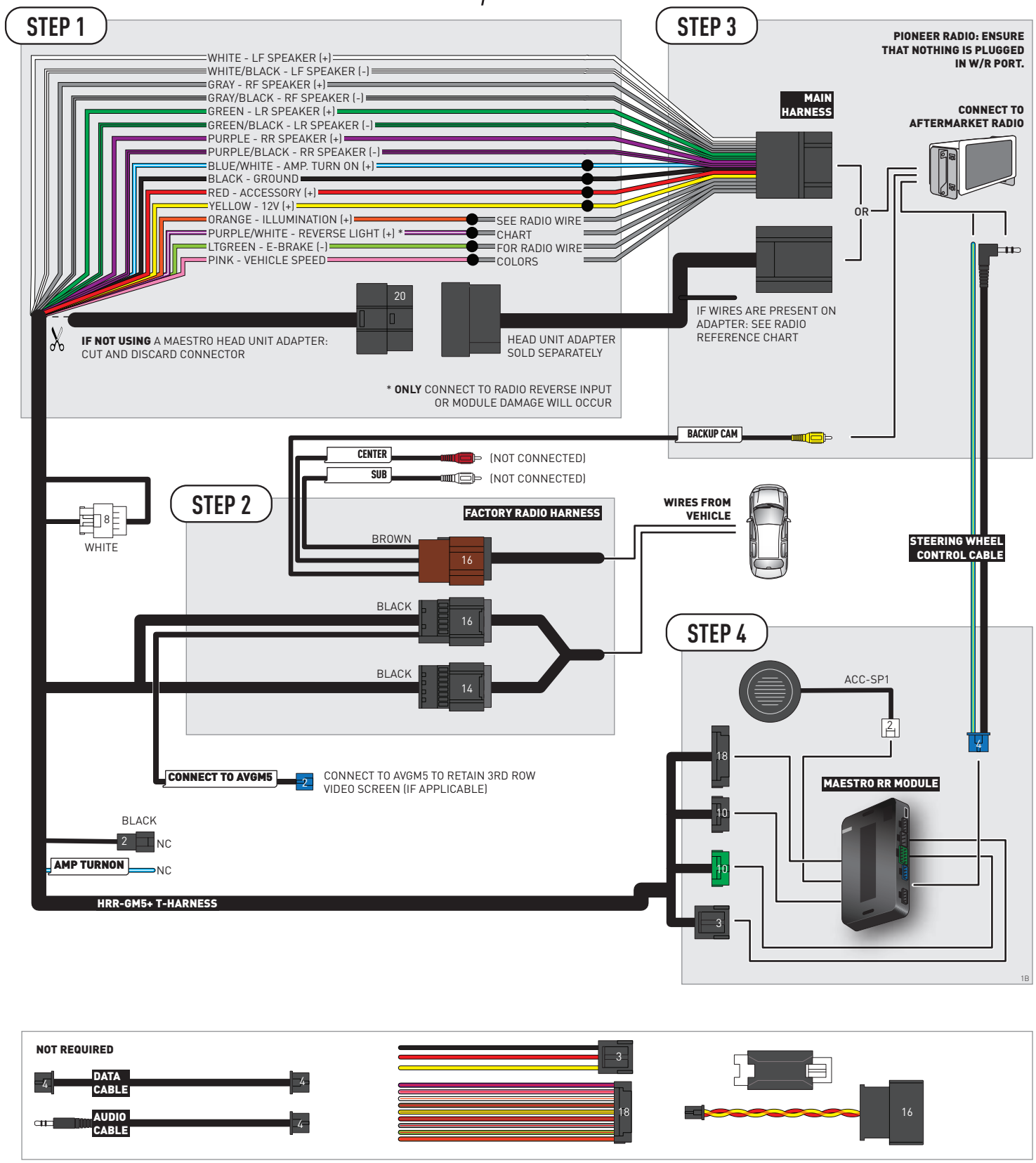
- Adjust volume using steering wheel volume up/down OR dimmer switch. If using dimmer switch, ensure headlight switch is NOT set to AUTO.

1

WIRING DIAGRAM *with an Amplifier*



WIRING DIAGRAM *without an Amplifier*



RADIO WIRE REFERENCE CHART

GM5+ (GM2) T-harness Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/ JVC cable	Wire Color on Pioneer cable	Wire Color on Sony cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light*	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A
Power Antenna	(+)	Blue	Blue	Blue	Blue/White	Blue or Blue/White

Head unit adapter wiring (optional accessory, sold separately)

ACC-HU-ALP1 Wire Description	Polarity	Wire Color on Adapter	Alpine Radio
VSS (vehicle speed sensor)	(DATA)	Green/White	Green/White

ACC-HU-KEN1 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
CAM	(+)	Green/Red	Refer to camera/radio manual
CAM	(-)	Green/White	Refer to camera/radio manual
Steering Wheel Controls	(DATA)	Blue/Yellow	Connect if no iDatalink 4-pin port on radio

ACC-HU-KEN2 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
E-Brake	(-)	LtGreen	LtGreen
Reverse Light*	(+)	Purple/White	Purple/White
Steering Wheel Controls	(DATA)	Blue/Yellow	Connect if no iDatalink 4-pin port on radio

* Reverse light wire: Only connect to radio or module damage will occur.

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 (RR2) Bluetooth activity	LED STATUS	DIAGNOSTIC
● or ●		RED or GREEN flashing	LED flashes 1 or more times, either red or green, **when a steering wheel button is pressed** : normal operation.
●		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do NOT use DEMO MODE.
●		1 GREEN flash	After radio boots up : Normal operation.
	●	3 GREEN flashes	Bluetooth is activated. Turns off after one minute: Normal operation.
●	●	OFF	Normal operation (inactive).

VIDEO HELP		Installation, product information, vehicle specific videos.
VERIFY FLASH		Last flash information, steering control configuration, vehicle information.
WEBLINK		Software to program module.

TROUBLESHOOTING TABLE P1 /2

PROBLEM	SOLUTION
Steering wheel controls do not work but LED on the Maestro does blink when steering wheel buttons are pressed.	Ensure the blue 4-pin steering wheel control cable is connected between the Maestro and the radio. The radio will use either the 3.5mm jack OR the blue/yellow wire, not both. Connect the 3.5mm jack from the Maestro blue 4-pin cable to the radio's 3.5mm port (labeled steering, remote, or wheel). If no such port exists, wire the blue/yellow to blue/yellow (Kenwood/JVC) or to the radio's Key 1 wire (brands not listed/other) and secure the 3.5mm jack. It will not be used. Verify the buttons are set up in the flash. If any button is set to "none" for "press once", it will do nothing. "Hold" column can be left as none and the "press once" function will operate with one press and when holding the button. Refer to radio's owner's manual to verify if the radio has this function: • JVC/Kenwood : Steering Wheel Control (ON/OFF): choose ON • Nakamichi : if model is listed, ensure PAC mode is on. If "other", learn the buttons in the radio steering wheel menu. • Sony : Steering Wheel Control (Custom/Preset): choose Preset. If phone buttons do not operate properly, flash the module as Pioneer – 2009 and newer with BT. Then select "custom" instead of "preset" and learn the buttons in the radio menu. • Other brands – radio should have a steering wheel menu to learn the buttons. You may have to select type A/B/C/1/2/3 and try learning again if buttons are not saving. Refer to radio manufacturer's tech support for further advice if not learning properly.
Radio does not turn on.	Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.
No sound from OnStar and/or no warning or turn signal chimes.	Plug the chime speaker in. Only turn signal chimes not working - verify "Turn Signal Reminder" is set to "Click in speaker" when programming the Maestro module. Chimes not working, but OnStar is - If vehicle was factory amplified and is now bypassed, ensure "Factory Amplifier" is turned off on the "Select how to configure your system" page when programming the Maestro module.
No sound from the Bose system (If equipped).	Make sure the amplifier turn on wire (Blue/White) of the T-Harness is connected to the radio's amplifier turn on wire. When flashing the Maestro make sure that the Amplifier in OEM Systems to Retain is selected. Make sure the RCA's are connected to the radio or the speaker wires are connected depending on your installation method.
Audio is very quiet or very loud.	Non amplified vehicles: ensure the AMP adapter is NOT plugged in between the white 8 pin plugs. Amplified vehicles: ensure the AMP adapter IS plugged in between the white 8 pin plugs.
(Vehicle using a GM2 harness only) Backup camera is not working and displays a black screen on radio when in reverse.	Ensure the 2-pin yellow plug is connected as shown on the diagram.
The light on the Maestro is flashing **RED ONCE**.	There is no firmware on the module; flash the RR module. DO NOT use demo mode.

TROUBLESHOOTING TABLE P2 /2

MAESTRO RR RESET PROCEDURE:

Turn the key to the OFF position, then disconnect all connectors from the module.
Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).
Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds to show the reset was successful.

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

IMPORTANT: To ensure proper operation, the aftermarket radio needs to have the latest firmware from the manufacturer. Please visit the radio manufacturer's website and look for any updates pertaining to your radio.

INSTALL GUIDE

2007-2009
CHEVROLET EQUINOX

RETAINS STEERING WHEEL CONTROLS, ONSTAR, BLUETOOTH AND MORE!



PRODUITS REQUIS
Interface de remplacement d'autoradio: iDatalink Maestro RR ou RR2
Câblage : iDatalink Maestro HRR-GM5+

PROGRAMMED FIRMWARE
ADS-RR(SR)-GM05-AS

ADDITIONAL RESOURCES
Maestro RR2 Programmable Outputs Guide

OPTIONAL ACCESSORIES

ACC-SP1

HEAD UNIT ADAPTER:
ACC-HU-PIO1, SON1, KEN1, KEN2, ALP1

NOTICE: Automotive Data Solutions Inc. (ADS) recommends having this installation performed by a certified technician. Logos and trademarks used here in are the properties of their respective owners.

WELCOME

Congratulations on the purchase of your iDatalink Maestro RR Radio replacement solution. You are now a few simple steps away from enjoying your new car radio with enhanced features.

Before starting your installation, please ensure that your iDatalink Maestro module is programmed with the correct firmware for your vehicle and that you carefully review the install guide.

Please note that Maestro RR will only retain functionalities that were originally available in the vehicle.

TABLE OF CONTENTS

Before Installing	3
Installation Instructions	4
Wiring Diagram with an Amplifier	5
Wiring Diagram without an Amplifier	6
Radio Wire Reference Chart	7
Module Diagnostics	8
Troubleshooting Table	9

NEED HELP?

1 866 427-2999

maestro.support@idatalink.com

BEFORE INSTALLING P1 /1

STEP 1

DETERMINE IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

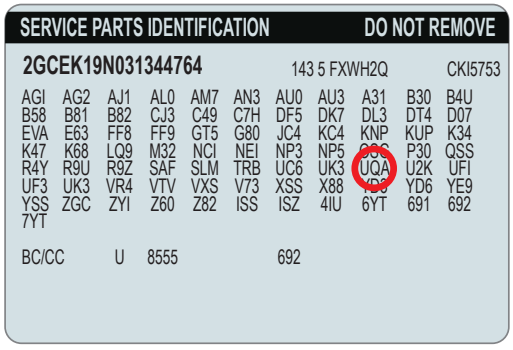
METHOD 1: Look for the following logos in the vehicle. They are usually on the speaker covers or on the radio unit. If you find any of the following logos Bose, Pioneer or Monsoon, you have a factory amplifier.

BOSE

Pioneer

MONSOON

METHOD 2: Look for the following sticker in the glove box. This sticker will indicate all the Regular Production Option (RPO) codes. If you find any of the following codes UQA, UQS or UQG, you have a factory amplifier.



STEP 2

IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **with an amplifier** and read the "**AMPLIFIER ONLY**" note to determine if you should use rca's or level matching circuits.

IF YOUR VEHICLE NOT IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **without an amplifier**.

Automotive Data Solutions Inc. © 2023

INSTALLATION INSTRUCTIONS P1/1

STEP 1

Remove the factory radio

If using head unit adapter (sold separately), connect HRR-GM5+ harness to adapter and skip to step 2.

- Unbox the aftermarket radio and locate its main harness.
- Cut and remove the black 20 pin connector from the HRR-GM5+ T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the HRR-GM5+ T-harness and match the wire functions.

  Note: only connect purple/white wire to radio reverse input or module damage will occur.

STEP 2

- Connect the factory harness to the HRR-GM5+ T-harness.
- Without AMP: Ensure that the WHITE 8 pin plugs are connected.
- With AMP: Connect the HRR-GM5+ 8 pin WHITE connectors to the AMP adapter.

STEP 3

- Plug the harnesses into the aftermarket radio.
- Connect the backup camera RCA cable into the aftermarket radio.
- With AMP: Connect the Center and SUB RCA cables.
- Plug the steering wheel control cable into the aftermarket radio.

STEP 4

- Connect the ACC-SP1 speaker to Maestro module.
- Connect all the harnesses to the Maestro RR module then test your installation.

OnStar, turn signal volume, or warning chime adjust:

- Turn ignition (IGN) on
- Open driver's door

Select to adjust:

OnStar level - Press OnStar button.

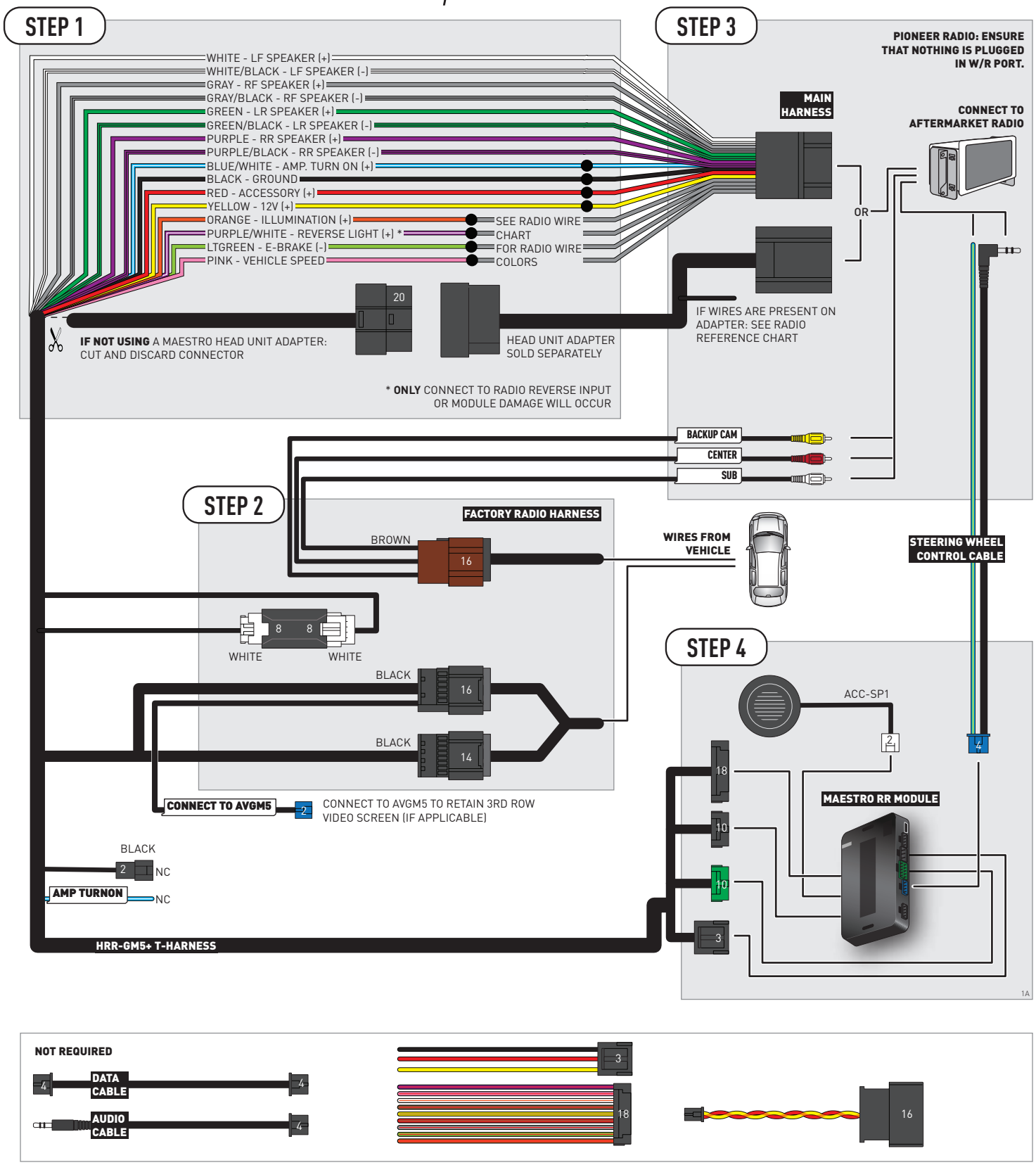
Turn signal level - activate either turn signal.

Warning chime level - turn headlight switch to parking light position (not AUTO).

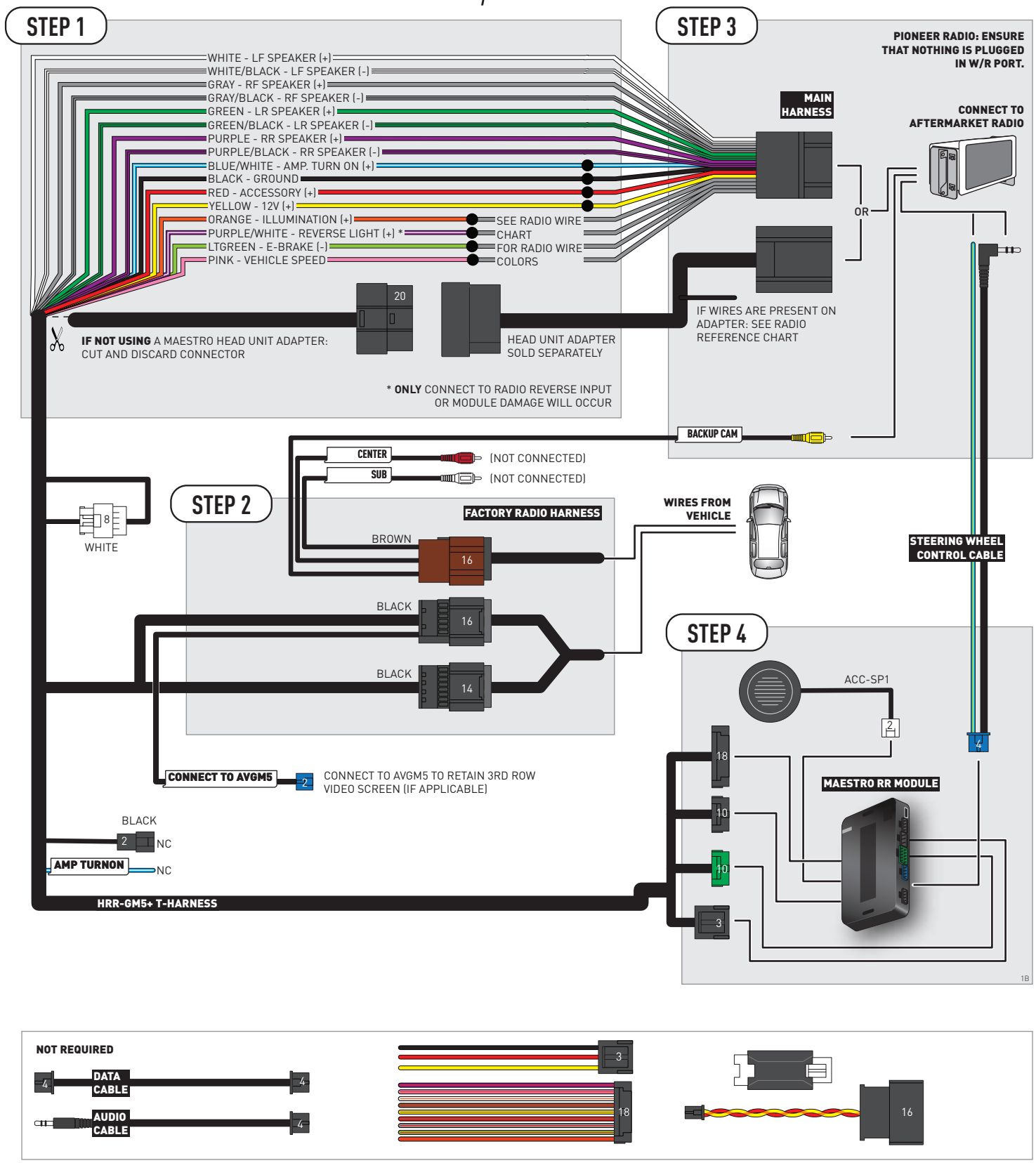
- Adjust volume using steering wheel volume up/down OR dimmer switch. If using dimmer switch, ensure headlight switch is NOT set to AUTO.

1

WIRING DIAGRAM *with an Amplifier*



WIRING DIAGRAM *without an Amplifier*



RADIO WIRE REFERENCE CHART

GM5+ (GM2) T-harness Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/ JVC cable	Wire Color on Pioneer cable	Wire Color on Sony cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light*	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A
Power Antenna	(+)	Blue	Blue	Blue	Blue/White	Blue or Blue/White

Head unit adapter wiring (optional accessory, sold separately)

ACC-HU-ALP1 Wire Description	Polarity	Wire Color on Adapter	Alpine Radio
VSS (vehicle speed sensor)	(DATA)	Green/White	Green/White

ACC-HU-KEN1 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
CAM	(+)	Green/Red	Refer to camera/radio manual
CAM	(-)	Green/White	Refer to camera/radio manual
Steering Wheel Controls	(DATA)	Blue/Yellow	Connect if no iDatalink 4-pin port on radio

ACC-HU-KEN2 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
E-Brake	(-)	LtGreen	LtGreen
Reverse Light*	(+)	Purple/White	Purple/White
Steering Wheel Controls	(DATA)	Blue/Yellow	Connect if no iDatalink 4-pin port on radio

* Reverse light wire: Only connect to radio or module damage will occur.

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 (RR2) Bluetooth activity	LED STATUS	DIAGNOSTIC
● or ●		RED or GREEN flashing	LED flashes 1 or more times, either red or green, **when a steering wheel button is pressed** : normal operation.
●		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do NOT use DEMO MODE.
●		1 GREEN flash	After radio boots up : Normal operation.
	●	3 GREEN flashes	Bluetooth is activated. Turns off after one minute: Normal operation.
●	●	OFF	Normal operation (inactive).

VIDEO HELP		Installation, product information, vehicle specific videos.
VERIFY FLASH		Last flash information, steering control configuration, vehicle information.
WEBLINK		Software to program module.

TROUBLESHOOTING TABLE P1 /2

PROBLEM	SOLUTION
Steering wheel controls do not work but LED on the Maestro does blink when steering wheel buttons are pressed.	Ensure the blue 4-pin steering wheel control cable is connected between the Maestro and the radio. The radio will use either the 3.5mm jack OR the blue/yellow wire, not both. Connect the 3.5mm jack from the Maestro blue 4-pin cable to the radio's 3.5mm port (labeled steering, remote, or wheel). If no such port exists, wire the blue/yellow to blue/yellow (Kenwood/JVC) or to the radio's Key 1 wire (brands not listed/other) and secure the 3.5mm jack. It will not be used. Verify the buttons are set up in the flash. If any button is set to "none" for "press once", it will do nothing. "Hold" column can be left as none and the "press once" function will operate with one press and when holding the button. Refer to radio's owner's manual to verify if the radio has this function: • JVC/Kenwood : Steering Wheel Control (ON/OFF): choose ON • Nakamichi : if model is listed, ensure PAC mode is on. If "other", learn the buttons in the radio steering wheel menu. • Sony : Steering Wheel Control (Custom/Preset): choose Preset. If phone buttons do not operate properly, flash the module as Pioneer – 2009 and newer with BT. Then select "custom" instead of "preset" and learn the buttons in the radio menu. • Other brands – radio should have a steering wheel menu to learn the buttons. You may have to select type A/B/C/1/2/3 and try learning again if buttons are not saving. Refer to radio manufacturer's tech support for further advice if not learning properly.
Radio does not turn on.	Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.
No sound from OnStar and/or no warning or turn signal chimes.	Plug the chime speaker in. Only turn signal chimes not working - verify "Turn Signal Reminder" is set to "Click in speaker" when programming the Maestro module. Chimes not working, but OnStar is - If vehicle was factory amplified and is now bypassed, ensure "Factory Amplifier" is turned off on the "Select how to configure your system" page when programming the Maestro module.
No sound from the Bose system (If equipped).	Make sure the amplifier turn on wire (Blue/White) of the T-Harness is connected to the radio's amplifier turn on wire. When flashing the Maestro make sure that the Amplifier in OEM Systems to Retain is selected. Make sure the RCA's are connected to the radio or the speaker wires are connected depending on your installation method.
Audio is very quiet or very loud.	Non amplified vehicles: ensure the AMP adapter is NOT plugged in between the white 8 pin plugs. Amplified vehicles: ensure the AMP adapter IS plugged in between the white 8 pin plugs.
(Vehicle using a GM2 harness only) Backup camera is not working and displays a black screen on radio when in reverse.	Ensure the 2-pin yellow plug is connected as shown on the diagram.
The light on the Maestro is flashing **RED ONCE**.	There is no firmware on the module; flash the RR module. DO NOT use demo mode.

TROUBLESHOOTING TABLE P2 /2

MAESTRO RR RESET PROCEDURE:

Turn the key to the OFF position, then disconnect all connectors from the module.
Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).
Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds to show the reset was successful.

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

IMPORTANT: To ensure proper operation, the aftermarket radio needs to have the latest firmware from the manufacturer. Please visit the radio manufacturer's website and look for any updates pertaining to your radio.

INSTALL GUIDE

2013-2023
CHEVROLET EXPRESS
WITH NAV

RETAINS STEERING WHEEL CONTROLS, ONSTAR, BLUETOOTH AND MORE!



PRODUITS REQUIS
Interface de remplacement d'autoradio: iDatalink Maestro RR ou RR2
Câblage : iDatalink Maestro HRR-GM2

PROGRAMMED FIRMWARE
ADS-RR(SR)-GM05-AS

ADDITIONAL RESOURCES
Maestro RR2 Programmable Outputs Guide

OPTIONAL ACCESSORIES

ACC-SP1

HEAD UNIT ADAPTER:
ACC-HU-PIO1, SON1, KEN1, KEN2, ALP1

NOTICE: Automotive Data Solutions Inc. (ADS) recommends having this installation performed by a certified technician. Logos and trademarks used here in are the properties of their respective owners.

WELCOME

Congratulations on the purchase of your iDatalink Maestro RR Radio replacement solution. You are now a few simple steps away from enjoying your new car radio with enhanced features.

Before starting your installation, please ensure that your iDatalink Maestro module is programmed with the correct firmware for your vehicle and that you carefully review the install guide.

Please note that Maestro RR will only retain functionalities that were originally available in the vehicle.

TABLE OF CONTENTS

Before Installing	3
Installation Instructions	4
Wiring Diagram with an Amplifier	5
Wiring Diagram without an Amplifier	6
Radio Wire Reference Chart	7
Module Diagnostics	8
Troubleshooting Table	9

NEED HELP?

1 866 427-2999

maestro.support@idatalink.com

BEFORE INSTALLING P1 /1

STEP 1

DETERMINE IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

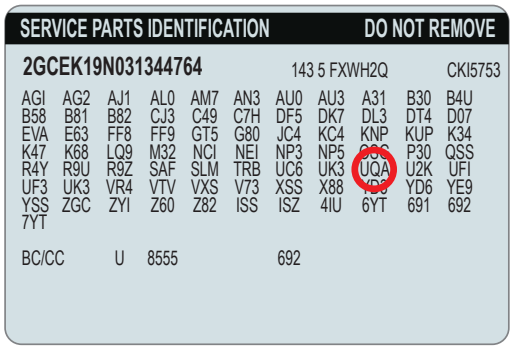
METHOD 1: Look for the following logos in the vehicle. They are usually on the speaker covers or on the radio unit. If you find any of the following logos Bose, Pioneer or Monsoon, you have a factory amplifier.

BOSE

Pioneer

MONSOON

METHOD 2: Look for the following sticker in the glove box. This sticker will indicate all the Regular Production Option (RPO) codes. If you find any of the following codes UQA, UQS or UQG, you have a factory amplifier.



STEP 2

IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **with an amplifier** and read the "**AMPLIFIER ONLY**" note to determine if you should use rca's or level matching circuits.

IF YOUR VEHICLE NOT IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **without an amplifier**.

Automotive Data Solutions Inc. © 2023

INSTALLATION INSTRUCTIONS P1/1

STEP 1

Remove the factory radio

If using head unit adapter (sold separately), connect HRR-GM2 harness to adapter and skip to step 2.

- Unbox the aftermarket radio and locate its main harness.
- Cut and remove the black 20 pin connector from the HRR-GM2 T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the HRR-GM2 T-harness and match the wire functions.

  Note: only connect purple/white wire to radio reverse input or module damage will occur.

STEP 2

- Connect the YELLOW 2 pin connector of the backup camera cable to the YELLOW connector (CAM 1) of the backup camera adapter. Connect GRAY connector of adapter to the vehicle backup camera harness.

STEP 3

- Connect the factory harness to the HRR-GM2 T-harness.
- Ensure that the RED 2 pin plugs are connected.
- Without AMP: Ensure that the WHITE 8 pin plugs are connected.
- With AMP: Connect the HRR-GM2 8 pin WHITE connectors to the AMP adapter.

STEP 4

- Plug the harnesses into the aftermarket radio.
- Connect the backup camera RCA cable into the aftermarket radio.
- Plug the steering wheel control cable into the aftermarket radio.

STEP 5

- Connect the ACC-SP1 speaker to Maestro module.
- Connect all the harnesses to the Maestro RR module then test your installation.

OnStar, turn signal volume, or warning chime adjust:

- Turn ignition (IGN) on
- Open driver's door

Select to adjust:

OnStar level - Press OnStar button.

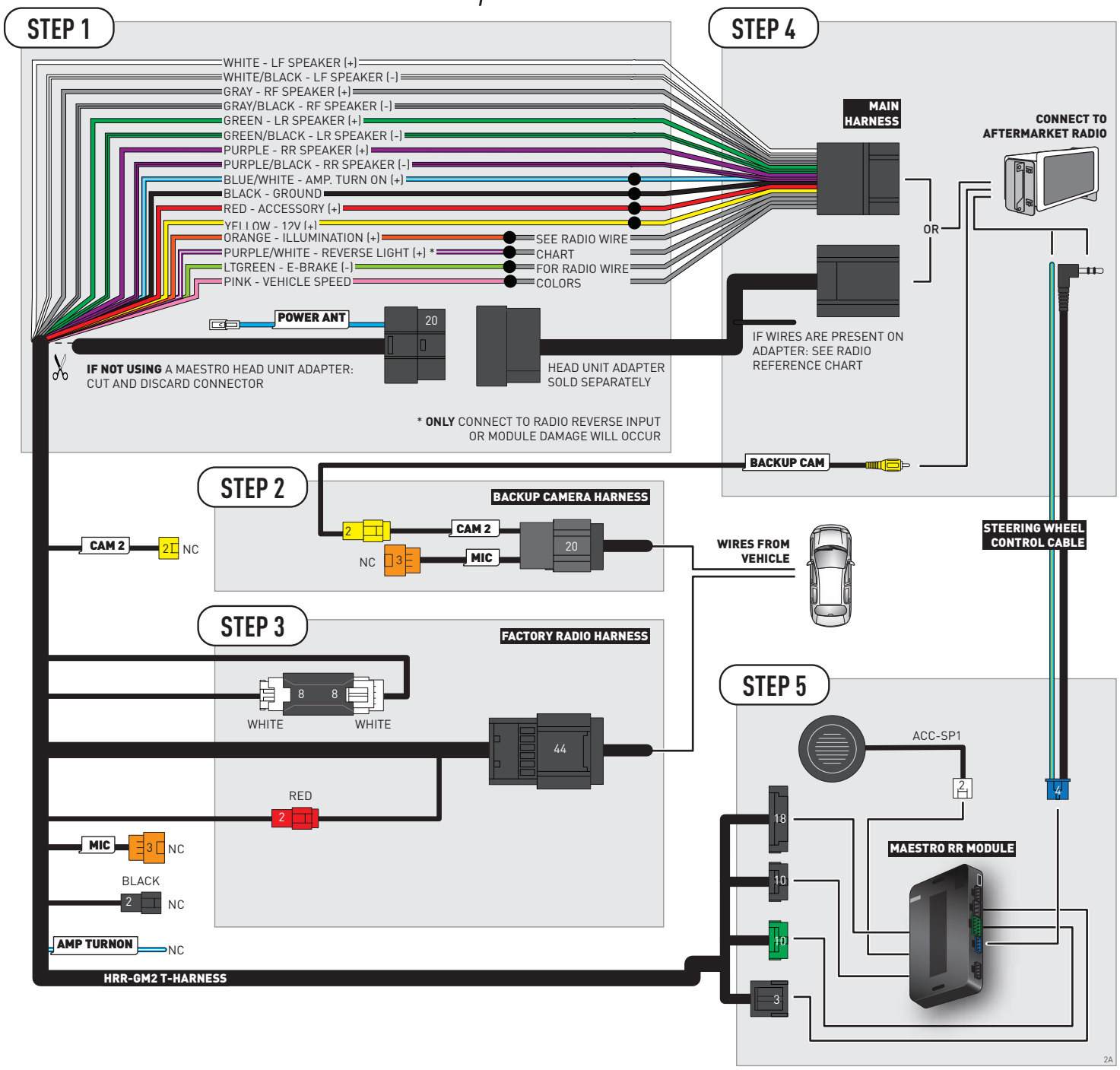
Turn signal level - activate either turn signal.

Warning chime level - turn headlight switch to parking light position (not AUTO).

- Adjust volume using steering wheel volume up/down OR dimmer switch. If using dimmer switch, ensure headlight switch is NOT set to AUTO.

Automotive Data Solutions Inc. © 2023

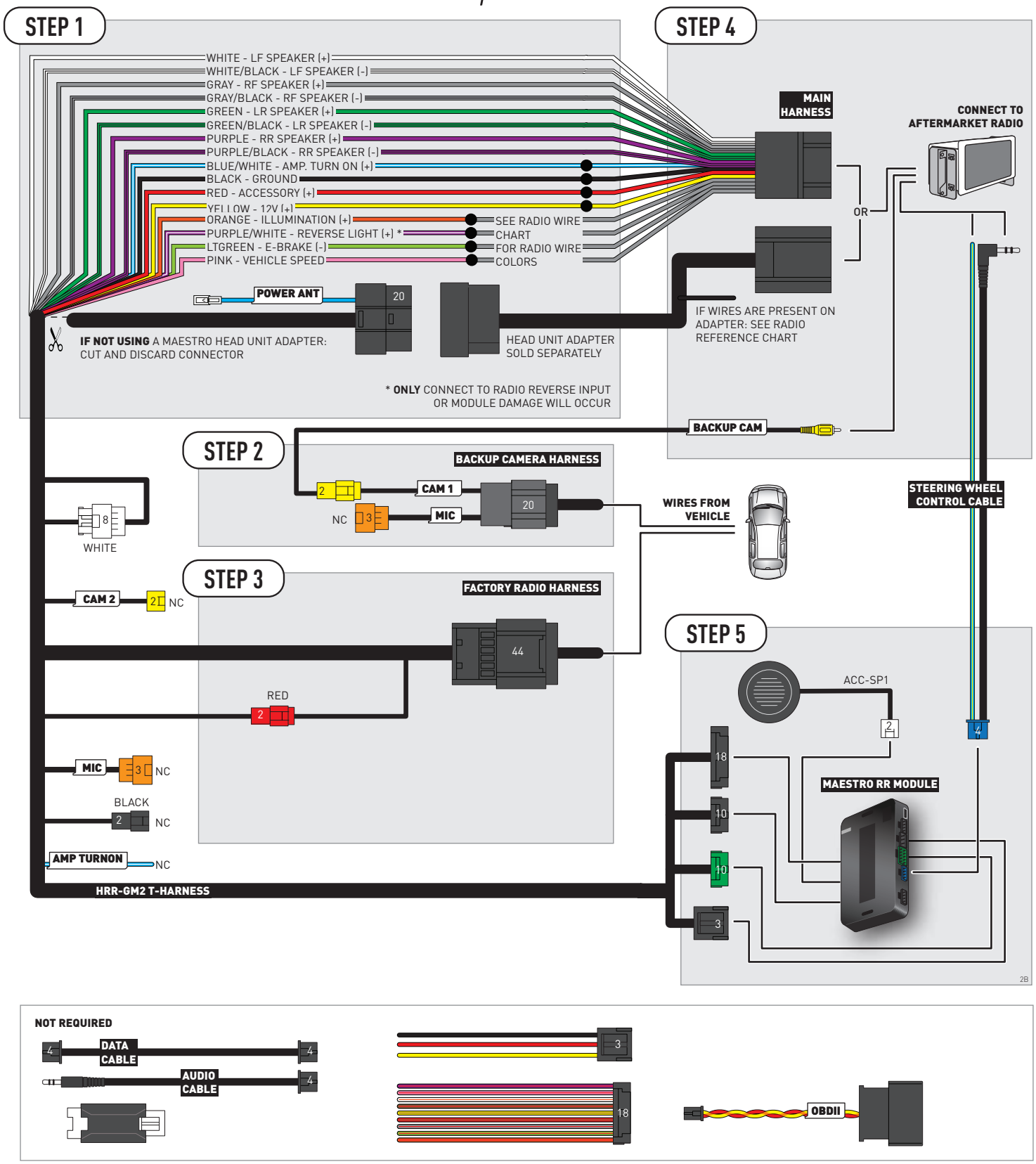
WIRING DIAGRAM *with an Amplifier*



NOT REQUIRED



WIRING DIAGRAM *without an Amplifier*



RADIO WIRE REFERENCE CHART

GM5+ (GM2) T-harness Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/ JVC cable	Wire Color on Pioneer cable	Wire Color on Sony cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light*	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A
Power Antenna	(+)	Blue	Blue	Blue	Blue/White	Blue or Blue/White

Head unit adapter wiring (optional accessory, sold separately)

ACC-HU-ALP1 Wire Description	Polarity	Wire Color on Adapter	Alpine Radio
VSS (vehicle speed sensor)	(DATA)	Green/White	Green/White

ACC-HU-KEN1 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
CAM	(+)	Green/Red	Refer to camera/radio manual
CAM	(-)	Green/White	Refer to camera/radio manual
Steering Wheel Controls	(DATA)	Blue/Yellow	Connect if no iDatalink 4-pin port on radio

ACC-HU-KEN2 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
E-Brake	(-)	LtGreen	LtGreen
Reverse Light*	(+)	Purple/White	Purple/White
Steering Wheel Controls	(DATA)	Blue/Yellow	Connect if no iDatalink 4-pin port on radio

* Reverse light wire: Only connect to radio or module damage will occur.

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 (RR2) Bluetooth activity	LED STATUS	DIAGNOSTIC
● or ●		RED or GREEN flashing	LED flashes 1 or more times, either red or green, **when a steering wheel button is pressed** : normal operation.
●		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do NOT use DEMO MODE.
●		1 GREEN flash	After radio boots up : Normal operation.
	●	3 GREEN flashes	Bluetooth is activated. Turns off after one minute: Normal operation.
●	●	OFF	Normal operation (inactive).

VIDEO HELP		Installation, product information, vehicle specific videos.
VERIFY FLASH		Last flash information, steering control configuration, vehicle information.
WEBLINK		Software to program module.

TROUBLESHOOTING TABLE P1 /2

PROBLEM	SOLUTION
Steering wheel controls do not work but LED on the Maestro does blink when steering wheel buttons are pressed.	Ensure the blue 4-pin steering wheel control cable is connected between the Maestro and the radio. The radio will use either the 3.5mm jack OR the blue/yellow wire, not both. Connect the 3.5mm jack from the Maestro blue 4-pin cable to the radio's 3.5mm port (labeled steering, remote, or wheel). If no such port exists, wire the blue/yellow to blue/yellow (Kenwood/JVC) or to the radio's Key 1 wire (brands not listed/other) and secure the 3.5mm jack. It will not be used. Verify the buttons are set up in the flash. If any button is set to "none" for "press once", it will do nothing. "Hold" column can be left as none and the "press once" function will operate with one press and when holding the button. Refer to radio's owner's manual to verify if the radio has this function: • JVC/Kenwood : Steering Wheel Control (ON/OFF): choose ON • Nakamichi : if model is listed, ensure PAC mode is on. If "other", learn the buttons in the radio steering wheel menu. • Sony : Steering Wheel Control (Custom/Preset): choose Preset. If phone buttons do not operate properly, flash the module as Pioneer – 2009 and newer with BT. Then select "custom" instead of "preset" and learn the buttons in the radio menu. • Other brands – radio should have a steering wheel menu to learn the buttons. You may have to select type A/B/C/1/2/3 and try learning again if buttons are not saving. Refer to radio manufacturer's tech support for further advice if not learning properly.
Radio does not turn on.	Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.
No sound from OnStar and/or no warning or turn signal chimes.	Plug the chime speaker in. Only turn signal chimes not working - verify "Turn Signal Reminder" is set to "Click in speaker" when programming the Maestro module. Chimes not working, but OnStar is - If vehicle was factory amplified and is now bypassed, ensure "Factory Amplifier" is turned off on the "Select how to configure your system" page when programming the Maestro module.
No sound from the Bose system (If equipped).	Make sure the amplifier turn on wire (Blue/White) of the T-Harness is connected to the radio's amplifier turn on wire. When flashing the Maestro make sure that the Amplifier in OEM Systems to Retain is selected. Make sure the RCA's are connected to the radio or the speaker wires are connected depending on your installation method.
Audio is very quiet or very loud.	Non amplified vehicles: ensure the AMP adapter is NOT plugged in between the white 8 pin plugs. Amplified vehicles: ensure the AMP adapter IS plugged in between the white 8 pin plugs.
(Vehicle using a GM2 harness only) Backup camera is not working and displays a black screen on radio when in reverse.	Ensure the 2-pin yellow plug is connected as shown on the diagram.
The light on the Maestro is flashing **RED ONCE**.	There is no firmware on the module; flash the RR module. DO NOT use demo mode.

TROUBLESHOOTING TABLE P2 /2

MAESTRO RR RESET PROCEDURE:

Turn the key to the OFF position, then disconnect all connectors from the module.
Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).
Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds to show the reset was successful.

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

IMPORTANT: To ensure proper operation, the aftermarket radio needs to have the latest firmware from the manufacturer. Please visit the radio manufacturer's website and look for any updates pertaining to your radio.

INSTALL GUIDE

2008-2023
CHEVROLET EXPRESS
WITHOUT NAV

RETAINS STEERING WHEEL CONTROLS, ONSTAR, BLUETOOTH AND MORE!



PRODUITS REQUIS
Interface de remplacement d'autoradio: iDatalink Maestro RR ou RR2
Câblage : iDatalink Maestro HRR-GM5+

PROGRAMMED FIRMWARE
ADS-RR(SR)-GM05-AS

ADDITIONAL RESOURCES
Maestro RR2 Programmable Outputs Guide

OPTIONAL ACCESSORIES

ACC-SP1

HEAD UNIT ADAPTER:
ACC-HU-PIO1, SON1, KEN1, KEN2, ALP1

NOTICE: Automotive Data Solutions Inc. (ADS) recommends having this installation performed by a certified technician. Logos and trademarks used here in are the properties of their respective owners.

WELCOME

Congratulations on the purchase of your iDatalink Maestro RR Radio replacement solution. You are now a few simple steps away from enjoying your new car radio with enhanced features.

Before starting your installation, please ensure that your iDatalink Maestro module is programmed with the correct firmware for your vehicle and that you carefully review the install guide.

Please note that Maestro RR will only retain functionalities that were originally available in the vehicle.

TABLE OF CONTENTS

Before Installing	3
Installation Instructions	4
Wiring Diagram with an Amplifier	5
Wiring Diagram without an Amplifier	6
Radio Wire Reference Chart	7
Module Diagnostics	8
Troubleshooting Table	9

NEED HELP?

1 866 427-2999

maestro.support@idatalink.com

BEFORE INSTALLING P1 /1

STEP 1

DETERMINE IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

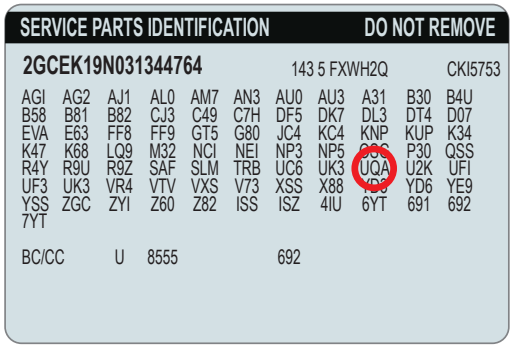
METHOD 1: Look for the following logos in the vehicle. They are usually on the speaker covers or on the radio unit. If you find any of the following logos Bose, Pioneer or Monsoon, you have a factory amplifier.

BOSE

Pioneer

MONSOON

METHOD 2: Look for the following sticker in the glove box. This sticker will indicate all the Regular Production Option (RPO) codes. If you find any of the following codes UQA, UQS or UQG, you have a factory amplifier.



STEP 2

IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **with an amplifier** and read the "**AMPLIFIER ONLY**" note to determine if you should use rca's or level matching circuits.

IF YOUR VEHICLE NOT IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **without an amplifier**.

Automotive Data Solutions Inc. © 2023

INSTALLATION INSTRUCTIONS P1/1

STEP 1

Remove the factory radio

If using head unit adapter (sold separately), connect HRR-GM5+ harness to adapter and skip to step 2.

- Unbox the aftermarket radio and locate its main harness.
- Cut and remove the black 20 pin connector from the HRR-GM5+ T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the HRR-GM5+ T-harness and match the wire functions.

  Note: only connect purple/white wire to radio reverse input or module damage will occur.

STEP 2

- Connect the factory harness to the HRR-GM5+ T-harness.
- Without AMP: Ensure that the WHITE 8 pin plugs are connected.
- With AMP: Connect the HRR-GM5+ 8 pin WHITE connectors to the AMP adapter.

STEP 3

- Plug the harnesses into the aftermarket radio.
- Connect the backup camera RCA cable into the aftermarket radio.
- With AMP: Connect the Center and SUB RCA cables.
- Plug the steering wheel control cable into the aftermarket radio.

STEP 4

- Connect the ACC-SP1 speaker to Maestro module.
- Connect all the harnesses to the Maestro RR module then test your installation.

OnStar, turn signal volume, or warning chime adjust:

- Turn ignition (IGN) on
- Open driver's door

Select to adjust:

OnStar level - Press OnStar button.

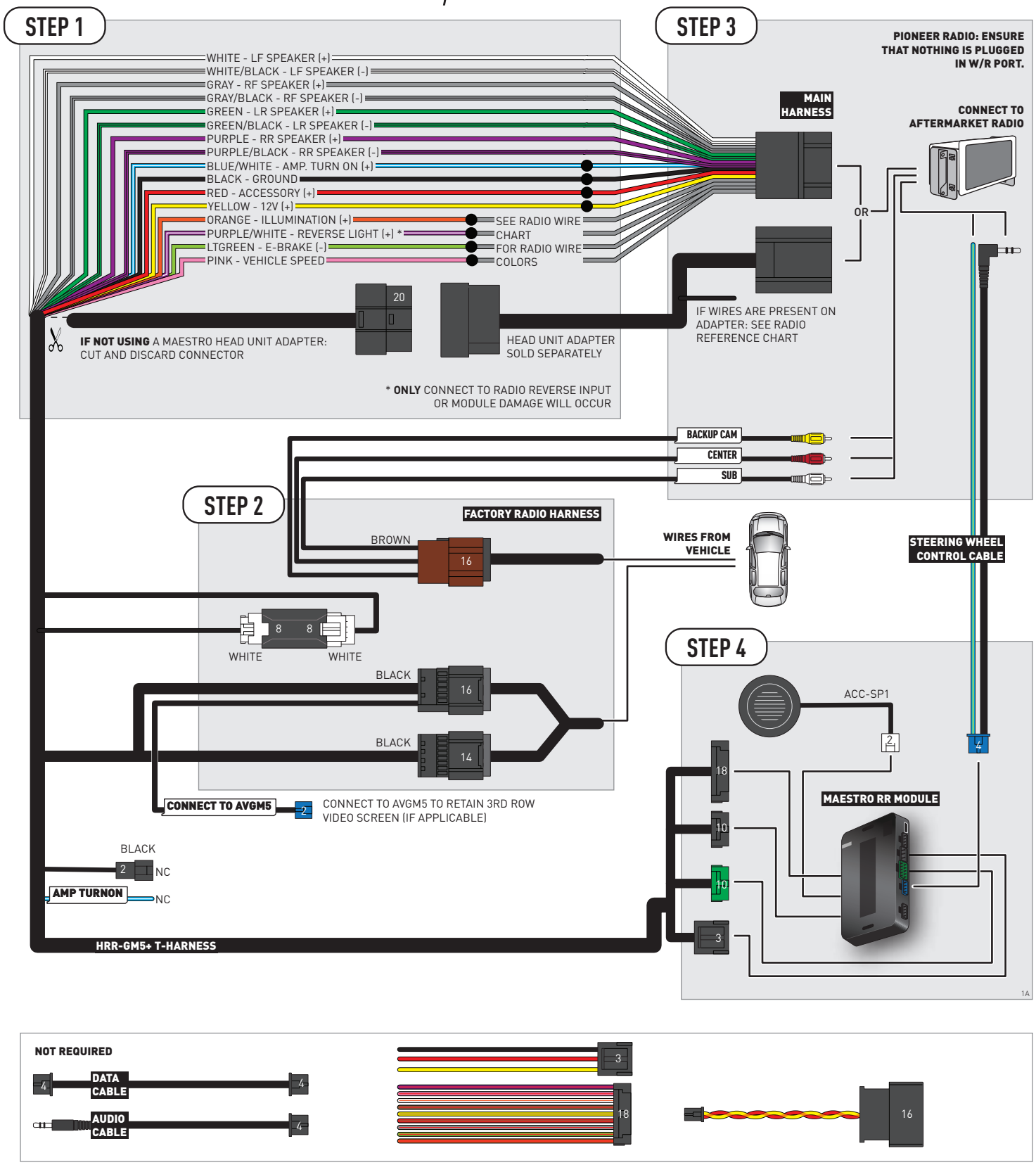
Turn signal level - activate either turn signal.

Warning chime level - turn headlight switch to parking light position (not AUTO).

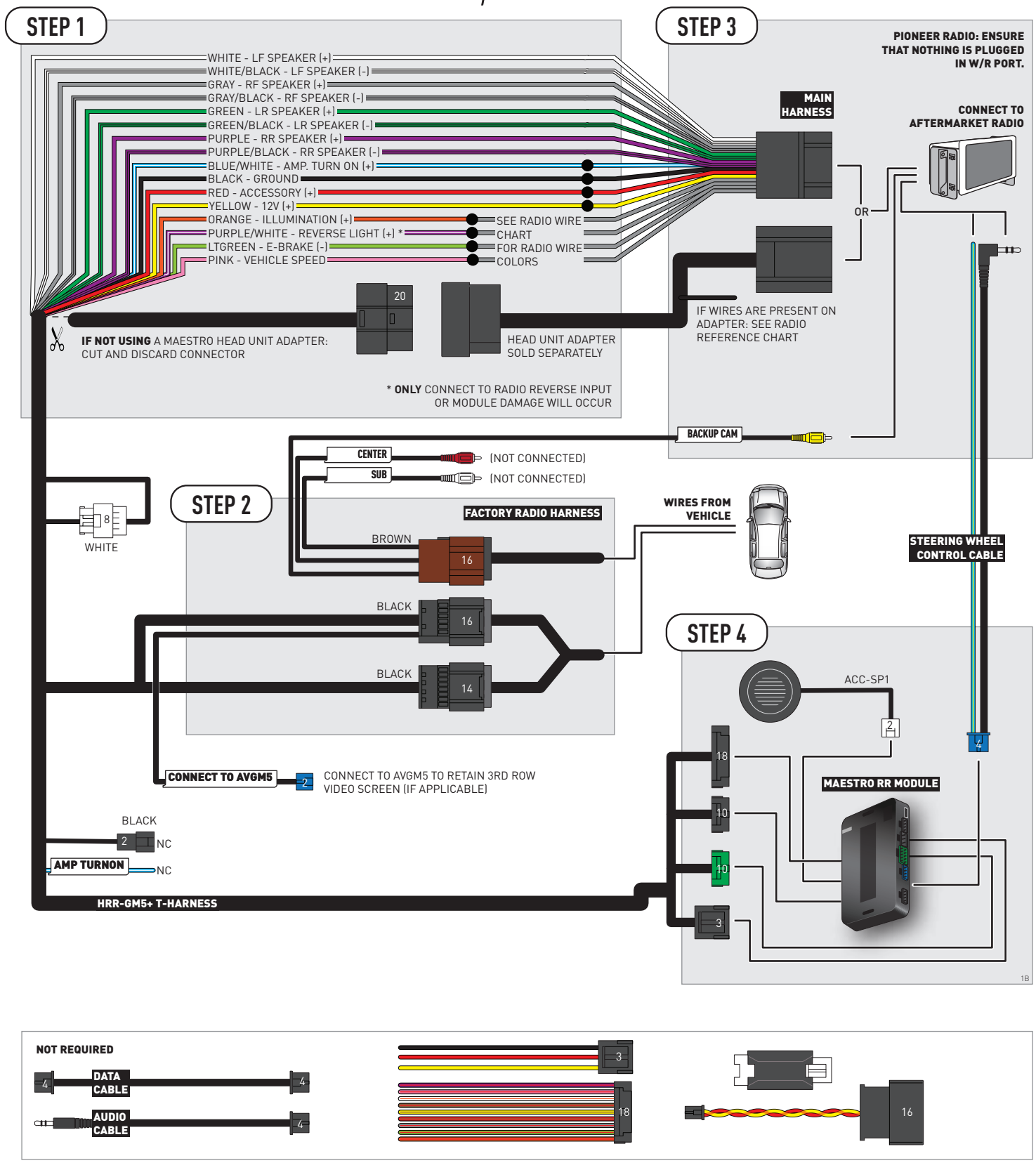
- Adjust volume using steering wheel volume up/down OR dimmer switch. If using dimmer switch, ensure headlight switch is NOT set to AUTO.

1

WIRING DIAGRAM *with an Amplifier*



WIRING DIAGRAM *without an Amplifier*



RADIO WIRE REFERENCE CHART

GM5+ (GM2) T-harness Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/ JVC cable	Wire Color on Pioneer cable	Wire Color on Sony cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light*	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A
Power Antenna	(+)	Blue	Blue	Blue	Blue/White	Blue or Blue/White

Head unit adapter wiring (optional accessory, sold separately)

ACC-HU-ALP1 Wire Description	Polarity	Wire Color on Adapter	Alpine Radio
VSS (vehicle speed sensor)	(DATA)	Green/White	Green/White

ACC-HU-KEN1 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
CAM	(+)	Green/Red	Refer to camera/radio manual
CAM	(-)	Green/White	Refer to camera/radio manual
Steering Wheel Controls	(DATA)	Blue/Yellow	Connect if no iDatalink 4-pin port on radio

ACC-HU-KEN2 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
E-Brake	(-)	LtGreen	LtGreen
Reverse Light*	(+)	Purple/White	Purple/White
Steering Wheel Controls	(DATA)	Blue/Yellow	Connect if no iDatalink 4-pin port on radio

* Reverse light wire: Only connect to radio or module damage will occur.

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 (RR2) Bluetooth activity	LED STATUS	DIAGNOSTIC
● or ●		RED or GREEN flashing	LED flashes 1 or more times, either red or green, **when a steering wheel button is pressed** : normal operation.
●		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do NOT use DEMO MODE.
●		1 GREEN flash	After radio boots up : Normal operation.
	●	3 GREEN flashes	Bluetooth is activated. Turns off after one minute: Normal operation.
●	●	OFF	Normal operation (inactive).

VIDEO HELP		Installation, product information, vehicle specific videos.
VERIFY FLASH		Last flash information, steering control configuration, vehicle information.
WEBLINK		Software to program module.

TROUBLESHOOTING TABLE P1 /2

PROBLEM	SOLUTION
Steering wheel controls do not work but LED on the Maestro does blink when steering wheel buttons are pressed.	Ensure the blue 4-pin steering wheel control cable is connected between the Maestro and the radio. The radio will use either the 3.5mm jack OR the blue/yellow wire, not both. Connect the 3.5mm jack from the Maestro blue 4-pin cable to the radio's 3.5mm port (labeled steering, remote, or wheel). If no such port exists, wire the blue/yellow to blue/yellow (Kenwood/JVC) or to the radio's Key 1 wire (brands not listed/other) and secure the 3.5mm jack. It will not be used. Verify the buttons are set up in the flash. If any button is set to "none" for "press once", it will do nothing. "Hold" column can be left as none and the "press once" function will operate with one press and when holding the button. Refer to radio's owner's manual to verify if the radio has this function: • JVC/Kenwood : Steering Wheel Control (ON/OFF): choose ON • Nakamichi : if model is listed, ensure PAC mode is on. If "other", learn the buttons in the radio steering wheel menu. • Sony : Steering Wheel Control (Custom/Preset): choose Preset. If phone buttons do not operate properly, flash the module as Pioneer – 2009 and newer with BT. Then select "custom" instead of "preset" and learn the buttons in the radio menu. • Other brands – radio should have a steering wheel menu to learn the buttons. You may have to select type A/B/C/1/2/3 and try learning again if buttons are not saving. Refer to radio manufacturer's tech support for further advice if not learning properly.
Radio does not turn on.	Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.
No sound from OnStar and/or no warning or turn signal chimes.	Plug the chime speaker in. Only turn signal chimes not working - verify "Turn Signal Reminder" is set to "Click in speaker" when programming the Maestro module. Chimes not working, but OnStar is - If vehicle was factory amplified and is now bypassed, ensure "Factory Amplifier" is turned off on the "Select how to configure your system" page when programming the Maestro module.
No sound from the Bose system (If equipped).	Make sure the amplifier turn on wire (Blue/White) of the T-Harness is connected to the radio's amplifier turn on wire. When flashing the Maestro make sure that the Amplifier in OEM Systems to Retain is selected. Make sure the RCA's are connected to the radio or the speaker wires are connected depending on your installation method.
Audio is very quiet or very loud.	Non amplified vehicles: ensure the AMP adapter is NOT plugged in between the white 8 pin plugs. Amplified vehicles: ensure the AMP adapter IS plugged in between the white 8 pin plugs.
(Vehicle using a GM2 harness only) Backup camera is not working and displays a black screen on radio when in reverse.	Ensure the 2-pin yellow plug is connected as shown on the diagram.
The light on the Maestro is flashing **RED ONCE**.	There is no firmware on the module; flash the RR module. DO NOT use demo mode.

TROUBLESHOOTING TABLE P2 /2

MAESTRO RR RESET PROCEDURE:

Turn the key to the OFF position, then disconnect all connectors from the module.
Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).
Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds to show the reset was successful.

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

IMPORTANT: To ensure proper operation, the aftermarket radio needs to have the latest firmware from the manufacturer. Please visit the radio manufacturer's website and look for any updates pertaining to your radio.

INSTALL GUIDE

2006-2013
CHEVROLET IMPALA

RETAINS STEERING WHEEL CONTROLS, ONSTAR, BLUETOOTH AND MORE!



PRODUITS REQUIS
Interface de remplacement d'autoradio: iDatalink Maestro RR ou RR2
Câblage : iDatalink Maestro HRR-GM5+

PROGRAMMED FIRMWARE
ADS-RR(SR)-GM05-AS

ADDITIONAL RESOURCES
Maestro RR2 Programmable Outputs Guide

OPTIONAL ACCESSORIES

ACC-SP1

HEAD UNIT ADAPTER:
ACC-HU-PIO1, SON1, KEN1, KEN2, ALP1

NOTICE: Automotive Data Solutions Inc. (ADS) recommends having this installation performed by a certified technician. Logos and trademarks used here in are the properties of their respective owners.

WELCOME

Congratulations on the purchase of your iDatalink Maestro RR Radio replacement solution. You are now a few simple steps away from enjoying your new car radio with enhanced features.

Before starting your installation, please ensure that your iDatalink Maestro module is programmed with the correct firmware for your vehicle and that you carefully review the install guide.

Please note that Maestro RR will only retain functionalities that were originally available in the vehicle.

TABLE OF CONTENTS

Before Installing	3
Installation Instructions	4
Wiring Diagram with an Amplifier	5
Wiring Diagram without an Amplifier	6
Radio Wire Reference Chart	7
Module Diagnostics	8
Troubleshooting Table	9

NEED HELP?

1 866 427-2999

maestro.support@idatalink.com

BEFORE INSTALLING P1 /1

STEP 1

DETERMINE IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

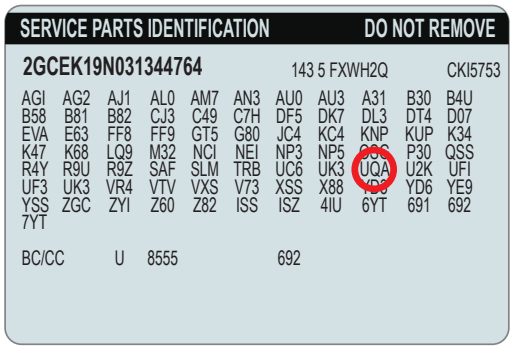
METHOD 1: Look for the following logos in the vehicle. They are usually on the speaker covers or on the radio unit. If you find any of the following logos Bose, Pioneer or Monsoon, you have a factory amplifier.

BOSE

Pioneer

MONSOON

METHOD 2: Look for the following sticker in the glove box. This sticker will indicate all the Regular Production Option (RPO) codes. If you find any of the following codes UQA, UQS or UQG, you have a factory amplifier.



STEP 2

IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **with an amplifier** and read the "**AMPLIFIER ONLY**" note to determine if you should use rca's or level matching circuits.

IF YOUR VEHICLE NOT IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **without an amplifier**.

Automotive Data Solutions Inc. © 2023

INSTALLATION INSTRUCTIONS P1/1

STEP 1

Remove the factory radio

If using head unit adapter (sold separately), connect HRR-GM5+ harness to adapter and skip to step 2.

- Unbox the aftermarket radio and locate its main harness.
- Cut and remove the black 20 pin connector from the HRR-GM5+ T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the HRR-GM5+ T-harness and match the wire functions.

  Note: only connect purple/white wire to radio reverse input or module damage will occur.

STEP 2

- Connect the factory harness to the HRR-GM5+ T-harness.
- Without AMP: Ensure that the WHITE 8 pin plugs are connected.
- With AMP: Connect the HRR-GM5+ 8 pin WHITE connectors to the AMP adapter.

STEP 3

- Plug the harnesses into the aftermarket radio.
- Connect the backup camera RCA cable into the aftermarket radio.
- With AMP: Connect the Center and SUB RCA cables.
- Plug the steering wheel control cable into the aftermarket radio.

STEP 4

- Connect the ACC-SP1 speaker to Maestro module.
- Connect all the harnesses to the Maestro RR module then test your installation.

OnStar, turn signal volume, or warning chime adjust:

- Turn ignition (IGN) on
- Open driver's door

Select to adjust:

OnStar level - Press OnStar button.

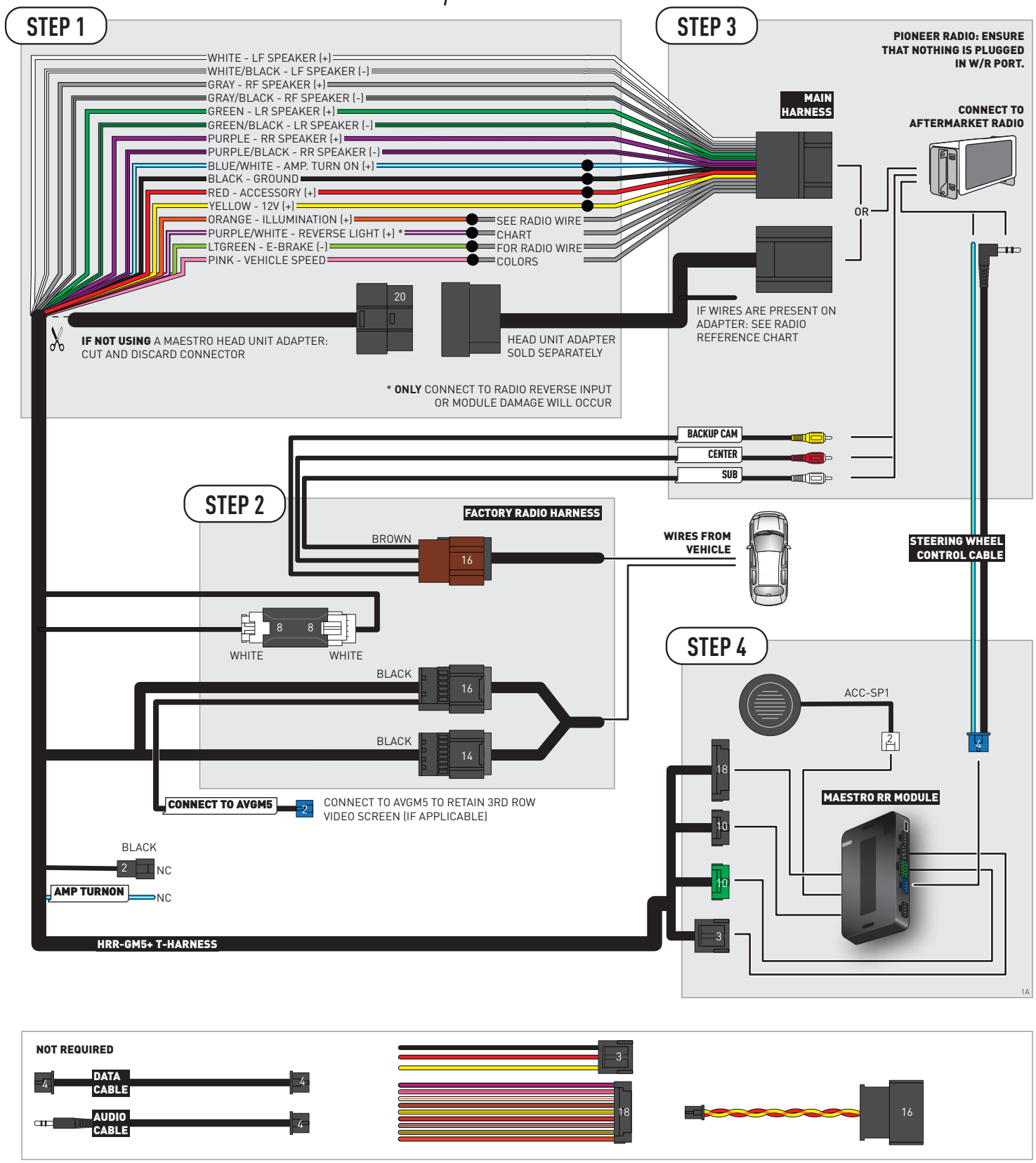
Turn signal level - activate either turn signal.

Warning chime level - turn headlight switch to parking light position (not AUTO).

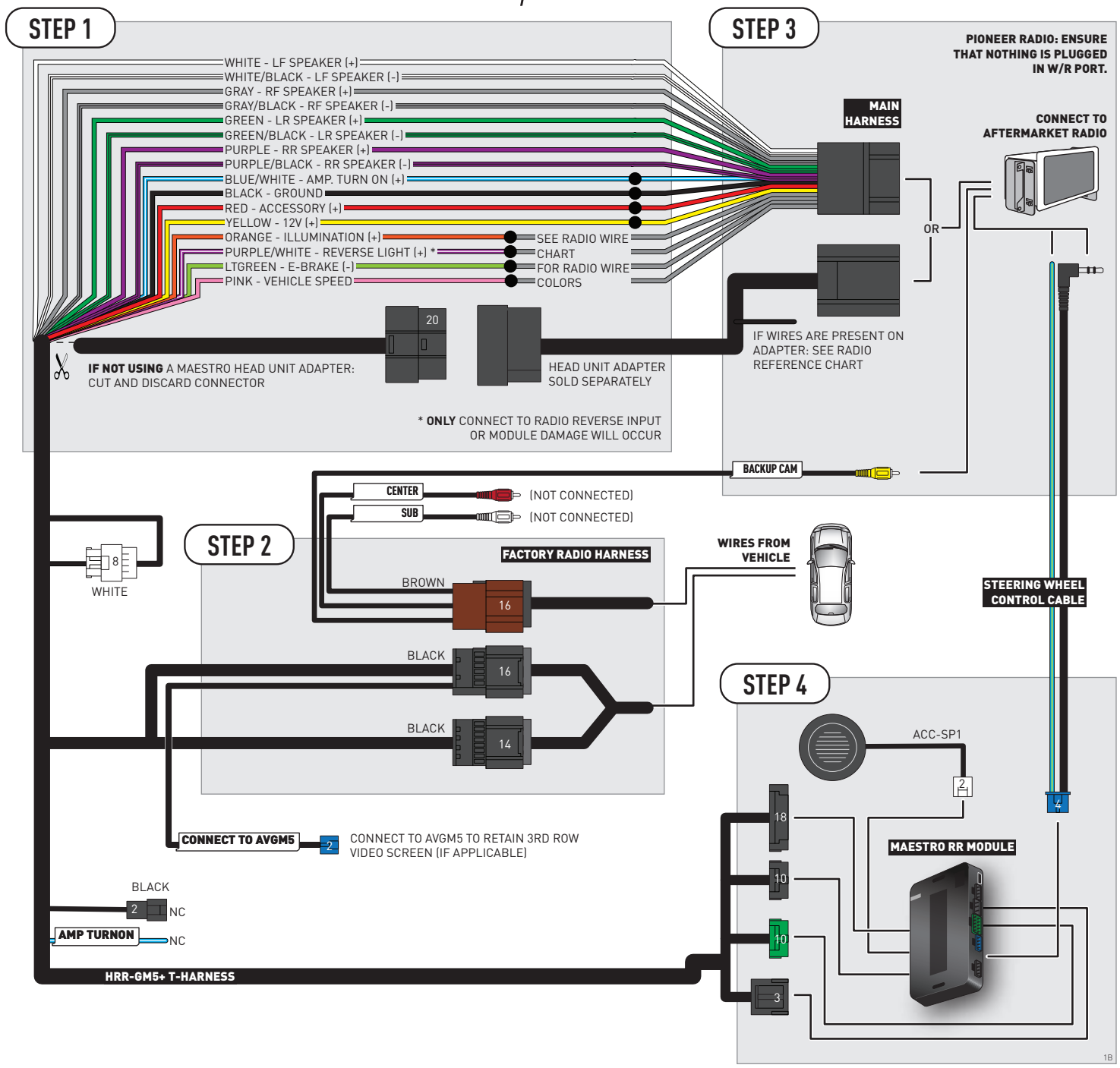
- Adjust volume using steering wheel volume up/down OR dimmer switch. If using dimmer switch, ensure headlight switch is NOT set to AUTO.

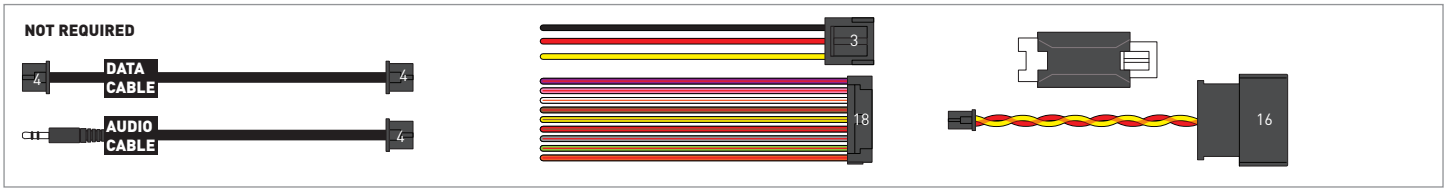
1

WIRING DIAGRAM *with an Amplifier*



WIRING DIAGRAM *without an Amplifier*





RADIO WIRE REFERENCE CHART

GM5+ (GM2) T-harness Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/ JVC cable	Wire Color on Pioneer cable	Wire Color on Sony cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light*	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A
Power Antenna	(+)	Blue	Blue	Blue	Blue/White	Blue or Blue/White

Head unit adapter wiring (optional accessory, sold separately)

ACC-HU-ALP1 Wire Description	Polarity	Wire Color on Adapter	Alpine Radio
VSS (vehicle speed sensor)	(DATA)	Green/White	Green/White

ACC-HU-KEN1 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
CAM	(+)	Green/Red	Refer to camera/radio manual
CAM	(-)	Green/White	Refer to camera/radio manual
Steering Wheel Controls	(DATA)	Blue/Yellow	Connect if no iDatalink 4-pin port on radio

ACC-HU-KEN2 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
E-Brake	(-)	LtGreen	LtGreen
Reverse Light*	(+)	Purple/White	Purple/White
Steering Wheel Controls	(DATA)	Blue/Yellow	Connect if no iDatalink 4-pin port on radio

* Reverse light wire: Only connect to radio or module damage will occur.

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 (RR2) Bluetooth activity	LED STATUS	DIAGNOSTIC
● or ●		RED or GREEN flashing	LED flashes 1 or more times, either red or green, **when a steering wheel button is pressed** : normal operation.
●		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do NOT use DEMO MODE.
●		1 GREEN flash	After radio boots up : Normal operation.
	●	3 GREEN flashes	Bluetooth is activated. Turns off after one minute: Normal operation.
●	●	OFF	Normal operation (inactive).

VIDEO HELP		Installation, product information, vehicle specific videos.
VERIFY FLASH		Last flash information, steering control configuration, vehicle information.
WEBLINK		Software to program module.

TROUBLESHOOTING TABLE P1 /2

PROBLEM	SOLUTION
Steering wheel controls do not work but LED on the Maestro does blink when steering wheel buttons are pressed.	Ensure the blue 4-pin steering wheel control cable is connected between the Maestro and the radio. The radio will use either the 3.5mm jack OR the blue/yellow wire, not both. Connect the 3.5mm jack from the Maestro blue 4-pin cable to the radio's 3.5mm port (labeled steering, remote, or wheel). If no such port exists, wire the blue/yellow to blue/yellow (Kenwood/JVC) or to the radio's Key 1 wire (brands not listed/other) and secure the 3.5mm jack. It will not be used. Verify the buttons are set up in the flash. If any button is set to "none" for "press once", it will do nothing. "Hold" column can be left as none and the "press once" function will operate with one press and when holding the button. Refer to radio's owner's manual to verify if the radio has this function: • JVC/Kenwood : Steering Wheel Control (ON/OFF): choose ON • Nakamichi : if model is listed, ensure PAC mode is on. If "other", learn the buttons in the radio steering wheel menu. • Sony : Steering Wheel Control (Custom/Preset): choose Preset. If phone buttons do not operate properly, flash the module as Pioneer – 2009 and newer with BT. Then select "custom" instead of "preset" and learn the buttons in the radio menu. • Other brands – radio should have a steering wheel menu to learn the buttons. You may have to select type A/B/C/1/2/3 and try learning again if buttons are not saving. Refer to radio manufacturer's tech support for further advice if not learning properly.
Radio does not turn on.	Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.
No sound from OnStar and/or no warning or turn signal chimes.	Plug the chime speaker in. Only turn signal chimes not working - verify "Turn Signal Reminder" is set to "Click in speaker" when programming the Maestro module. Chimes not working, but OnStar is - If vehicle was factory amplified and is now bypassed, ensure "Factory Amplifier" is turned off on the "Select how to configure your system" page when programming the Maestro module.
No sound from the Bose system (If equipped).	Make sure the amplifier turn on wire (Blue/White) of the T-Harness is connected to the radio's amplifier turn on wire. When flashing the Maestro make sure that the Amplifier in OEM Systems to Retain is selected. Make sure the RCA's are connected to the radio or the speaker wires are connected depending on your installation method.
Audio is very quiet or very loud.	Non amplified vehicles: ensure the AMP adapter is NOT plugged in between the white 8 pin plugs. Amplified vehicles: ensure the AMP adapter IS plugged in between the white 8 pin plugs.
(Vehicle using a GM2 harness only) Backup camera is not working and displays a black screen on radio when in reverse.	Ensure the 2-pin yellow plug is connected as shown on the diagram.
The light on the Maestro is flashing **RED ONCE**.	There is no firmware on the module; flash the RR module. DO NOT use demo mode.

TROUBLESHOOTING TABLE P2 /2

MAESTRO RR RESET PROCEDURE:

Turn the key to the OFF position, then disconnect all connectors from the module.
Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).
Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds to show the reset was successful.

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

IMPORTANT: To ensure proper operation, the aftermarket radio needs to have the latest firmware from the manufacturer. Please visit the radio manufacturer's website and look for any updates pertaining to your radio.

INSTALL GUIDE

2014-2016
CHEVROLET IMPALA LIMITED

RETAINS STEERING WHEEL CONTROLS, ONSTAR, BLUETOOTH AND MORE!



PRODUITS REQUIS
Interface de remplacement d'autoradio: iDatalink Maestro RR ou RR2
Câblage : iDatalink Maestro HRR-GM5+

PROGRAMMED FIRMWARE
ADS-RR(SR)-GM05-AS

ADDITIONAL RESOURCES
Maestro RR2 Programmable Outputs Guide

OPTIONAL ACCESSORIES

ACC-SP1

HEAD UNIT ADAPTER:
ACC-HU-PIO1, SON1, KEN1, KEN2, ALP1

NOTICE: Automotive Data Solutions Inc. (ADS) recommends having this installation performed by a certified technician. Logos and trademarks used here in are the properties of their respective owners.

WELCOME

Congratulations on the purchase of your iDatalink Maestro RR Radio replacement solution. You are now a few simple steps away from enjoying your new car radio with enhanced features.

Before starting your installation, please ensure that your iDatalink Maestro module is programmed with the correct firmware for your vehicle and that you carefully review the install guide.

Please note that Maestro RR will only retain functionalities that were originally available in the vehicle.

TABLE OF CONTENTS

Before Installing	3
Installation Instructions	4
Wiring Diagram with an Amplifier	5
Wiring Diagram without an Amplifier	6
Radio Wire Reference Chart	7
Module Diagnostics	8
Troubleshooting Table	9

NEED HELP?

1 866 427-2999

maestro.support@idatalink.com

BEFORE INSTALLING P1 /1

STEP 1

DETERMINE IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

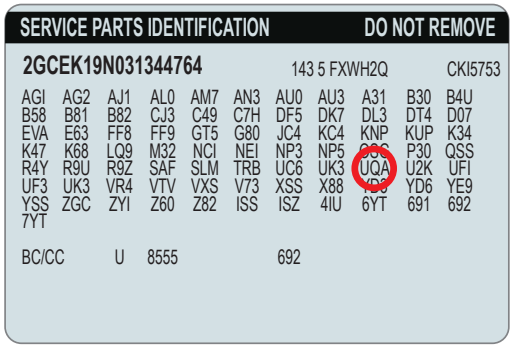
METHOD 1: Look for the following logos in the vehicle. They are usually on the speaker covers or on the radio unit. If you find any of the following logos Bose, Pioneer or Monsoon, you have a factory amplifier.

BOSE

Pioneer

MONSOON

METHOD 2: Look for the following sticker in the glove box. This sticker will indicate all the Regular Production Option (RPO) codes. If you find any of the following codes UQA, UQS or UQG, you have a factory amplifier.



STEP 2

IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **with an amplifier** and read the "**AMPLIFIER ONLY**" note to determine if you should use rca's or level matching circuits.

IF YOUR VEHICLE NOT IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **without an amplifier**.

Automotive Data Solutions Inc. © 2023

INSTALLATION INSTRUCTIONS P1/1

STEP 1

Remove the factory radio

If using head unit adapter (sold separately), connect HRR-GM5+ harness to adapter and skip to step 2.

- Unbox the aftermarket radio and locate its main harness.
- Cut and remove the black 20 pin connector from the HRR-GM5+ T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the HRR-GM5+ T-harness and match the wire functions.

  Note: only connect purple/white wire to radio reverse input or module damage will occur.

STEP 2

- Connect the factory harness to the HRR-GM5+ T-harness.
- Without AMP: Ensure that the WHITE 8 pin plugs are connected.
- With AMP: Connect the HRR-GM5+ 8 pin WHITE connectors to the AMP adapter.

STEP 3

- Plug the harnesses into the aftermarket radio.
- Connect the backup camera RCA cable into the aftermarket radio.
- With AMP: Connect the Center and SUB RCA cables.
- Plug the steering wheel control cable into the aftermarket radio.

STEP 4

- Connect the ACC-SP1 speaker to Maestro module.
- Connect all the harnesses to the Maestro RR module then test your installation.

OnStar, turn signal volume, or warning chime adjust:

- Turn ignition (IGN) on
- Open driver's door

Select to adjust:

OnStar level - Press OnStar button.

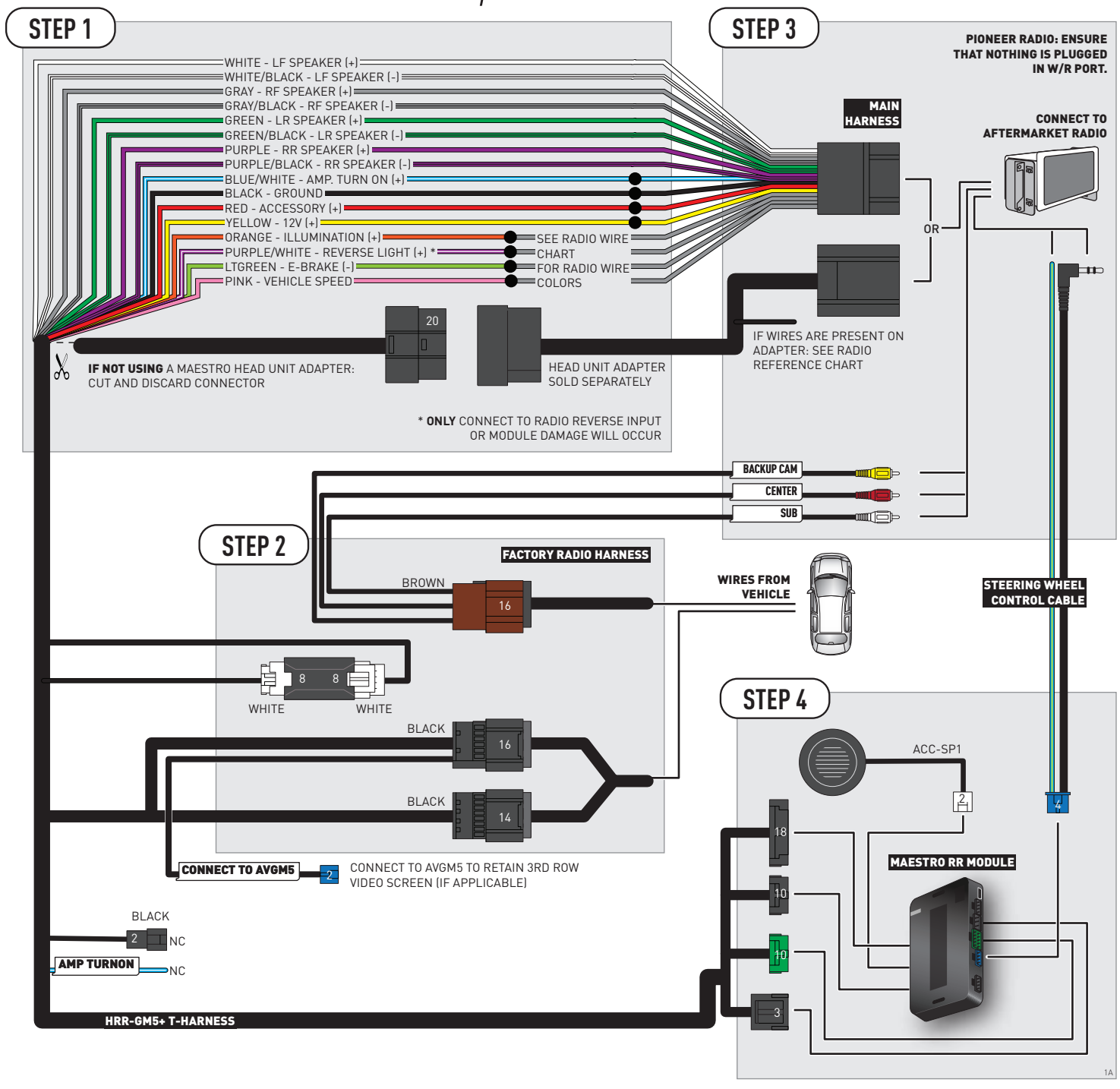
Turn signal level - activate either turn signal.

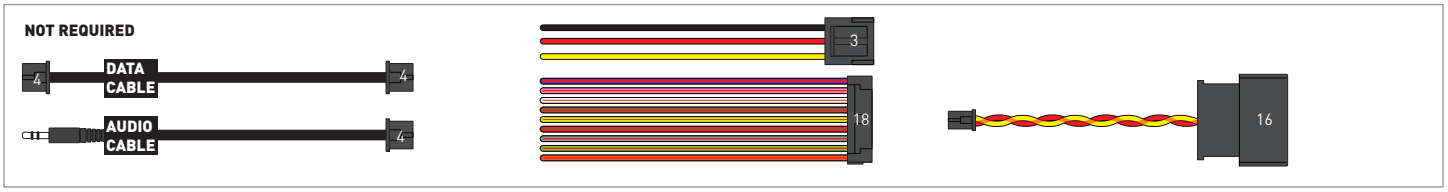
Warning chime level - turn headlight switch to parking light position (not AUTO).

- Adjust volume using steering wheel volume up/down OR dimmer switch. If using dimmer switch, ensure headlight switch is NOT set to AUTO.

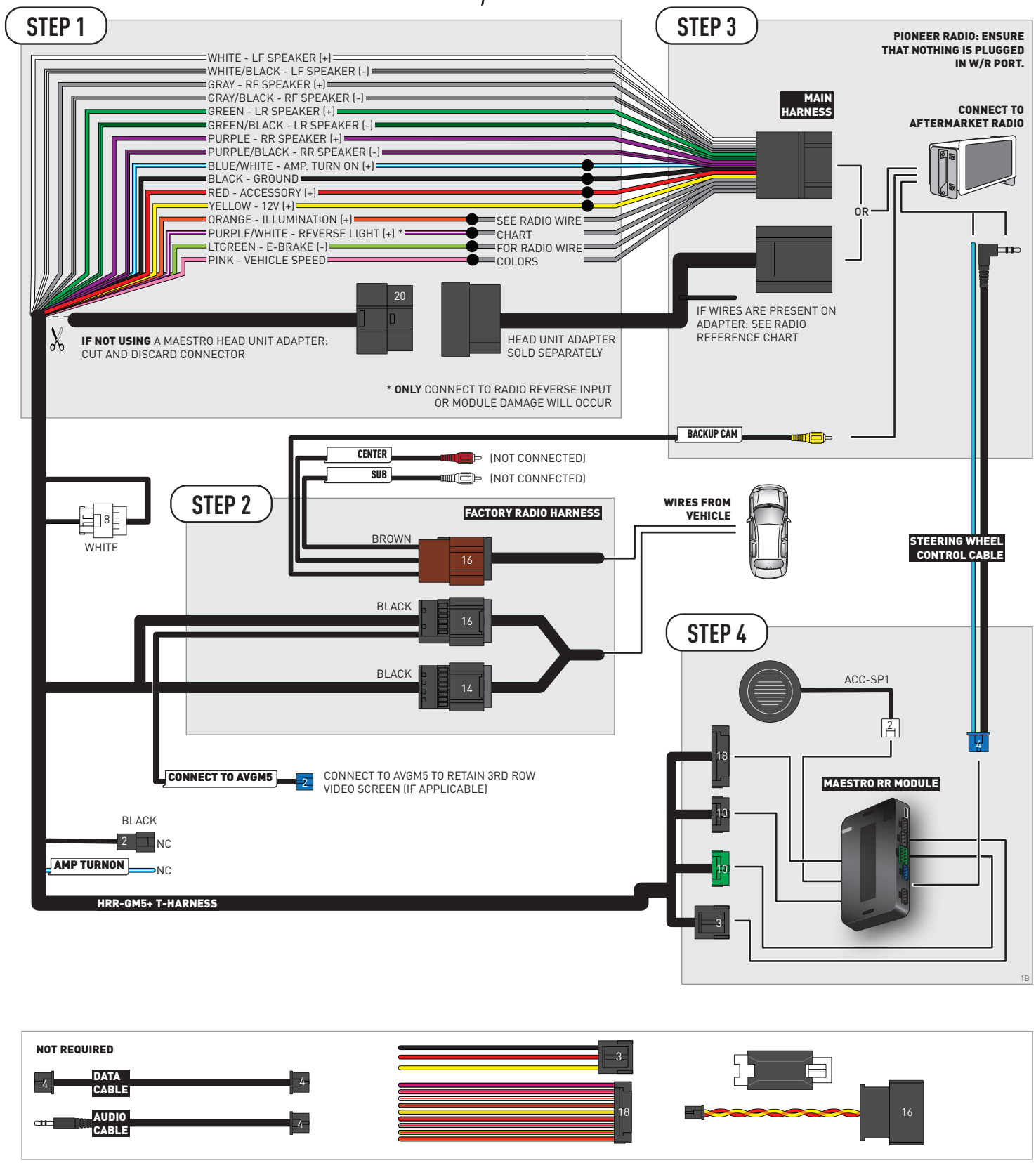
1

WIRING DIAGRAM *with an Amplifier*





WIRING DIAGRAM *without an Amplifier*



RADIO WIRE REFERENCE CHART

GM5+ (GM2) T-harness Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/ JVC cable	Wire Color on Pioneer cable	Wire Color on Sony cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light*	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A
Power Antenna	(+)	Blue	Blue	Blue	Blue/White	Blue or Blue/White

Head unit adapter wiring (optional accessory, sold separately)

ACC-HU-ALP1 Wire Description	Polarity	Wire Color on Adapter	Alpine Radio
VSS (vehicle speed sensor)	(DATA)	Green/White	Green/White

ACC-HU-KEN1 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
CAM	(+)	Green/Red	Refer to camera/radio manual
CAM	(-)	Green/White	Refer to camera/radio manual
Steering Wheel Controls	(DATA)	Blue/Yellow	Connect if no iDatalink 4-pin port on radio

ACC-HU-KEN2 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
E-Brake	(-)	LtGreen	LtGreen
Reverse Light*	(+)	Purple/White	Purple/White
Steering Wheel Controls	(DATA)	Blue/Yellow	Connect if no iDatalink 4-pin port on radio

* Reverse light wire: Only connect to radio or module damage will occur.

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 (RR2) Bluetooth activity	LED STATUS	DIAGNOSTIC
● or ●		RED or GREEN flashing	LED flashes 1 or more times, either red or green, **when a steering wheel button is pressed** : normal operation.
●		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do NOT use DEMO MODE.
●		1 GREEN flash	After radio boots up : Normal operation.
	●	3 GREEN flashes	Bluetooth is activated. Turns off after one minute: Normal operation.
●	●	OFF	Normal operation (inactive).

VIDEO HELP		Installation, product information, vehicle specific videos.
VERIFY FLASH		Last flash information, steering control configuration, vehicle information.
WEBLINK		Software to program module.

TROUBLESHOOTING TABLE P1 /2

PROBLEM	SOLUTION
Steering wheel controls do not work but LED on the Maestro does blink when steering wheel buttons are pressed.	Ensure the blue 4-pin steering wheel control cable is connected between the Maestro and the radio. The radio will use either the 3.5mm jack OR the blue/yellow wire, not both. Connect the 3.5mm jack from the Maestro blue 4-pin cable to the radio's 3.5mm port (labeled steering, remote, or wheel). If no such port exists, wire the blue/yellow to blue/yellow (Kenwood/JVC) or to the radio's Key 1 wire (brands not listed/other) and secure the 3.5mm jack. It will not be used. Verify the buttons are set up in the flash. If any button is set to "none" for "press once", it will do nothing. "Hold" column can be left as none and the "press once" function will operate with one press and when holding the button. Refer to radio's owner's manual to verify if the radio has this function: • JVC/Kenwood : Steering Wheel Control (ON/OFF): choose ON • Nakamichi : if model is listed, ensure PAC mode is on. If "other", learn the buttons in the radio steering wheel menu. • Sony : Steering Wheel Control (Custom/Preset): choose Preset. If phone buttons do not operate properly, flash the module as Pioneer – 2009 and newer with BT. Then select "custom" instead of "preset" and learn the buttons in the radio menu. • Other brands – radio should have a steering wheel menu to learn the buttons. You may have to select type A/B/C/1/2/3 and try learning again if buttons are not saving. Refer to radio manufacturer's tech support for further advice if not learning properly.
Radio does not turn on.	Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.
No sound from OnStar and/or no warning or turn signal chimes.	Plug the chime speaker in. Only turn signal chimes not working - verify "Turn Signal Reminder" is set to "Click in speaker" when programming the Maestro module. Chimes not working, but OnStar is - If vehicle was factory amplified and is now bypassed, ensure "Factory Amplifier" is turned off on the "Select how to configure your system" page when programming the Maestro module.
No sound from the Bose system (If equipped).	Make sure the amplifier turn on wire (Blue/White) of the T-Harness is connected to the radio's amplifier turn on wire. When flashing the Maestro make sure that the Amplifier in OEM Systems to Retain is selected. Make sure the RCA's are connected to the radio or the speaker wires are connected depending on your installation method.
Audio is very quiet or very loud.	Non amplified vehicles: ensure the AMP adapter is NOT plugged in between the white 8 pin plugs. Amplified vehicles: ensure the AMP adapter IS plugged in between the white 8 pin plugs.
(Vehicle using a GM2 harness only) Backup camera is not working and displays a black screen on radio when in reverse.	Ensure the 2-pin yellow plug is connected as shown on the diagram.
The light on the Maestro is flashing **RED ONCE**.	There is no firmware on the module; flash the RR module. DO NOT use demo mode.

TROUBLESHOOTING TABLE P2 /2

MAESTRO RR RESET PROCEDURE:

Turn the key to the OFF position, then disconnect all connectors from the module.
Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).
Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds to show the reset was successful.

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

IMPORTANT: To ensure proper operation, the aftermarket radio needs to have the latest firmware from the manufacturer. Please visit the radio manufacturer's website and look for any updates pertaining to your radio.

INSTALL GUIDE

2006-2007
CHEVROLET MONTE CARLO

RETAINS STEERING WHEEL CONTROLS, ONSTAR, BLUETOOTH AND MORE!



PRODUITS REQUIS
Interface de remplacement d'autoradio: iDatalink Maestro RR ou RR2
Câblage : iDatalink Maestro HRR-GM5+

PROGRAMMED FIRMWARE
ADS-RR(SR)-GM05-AS

ADDITIONAL RESOURCES
Maestro RR2 Programmable Outputs Guide

OPTIONAL ACCESSORIES

ACC-SP1

HEAD UNIT ADAPTER:
ACC-HU-PIO1, SON1, KEN1, KEN2, ALP1

NOTICE: Automotive Data Solutions Inc. (ADS) recommends having this installation performed by a certified technician. Logos and trademarks used here in are the properties of their respective owners.

WELCOME

Congratulations on the purchase of your iDatalink Maestro RR Radio replacement solution. You are now a few simple steps away from enjoying your new car radio with enhanced features.

Before starting your installation, please ensure that your iDatalink Maestro module is programmed with the correct firmware for your vehicle and that you carefully review the install guide.

Please note that Maestro RR will only retain functionalities that were originally available in the vehicle.

TABLE OF CONTENTS

Before Installing	3
Installation Instructions	4
Wiring Diagram with an Amplifier	5
Wiring Diagram without an Amplifier	6
Radio Wire Reference Chart	7
Module Diagnostics	8
Troubleshooting Table	9

NEED HELP?

1 866 427-2999

maestro.support@idatalink.com

BEFORE INSTALLING P1 /1

STEP 1

DETERMINE IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

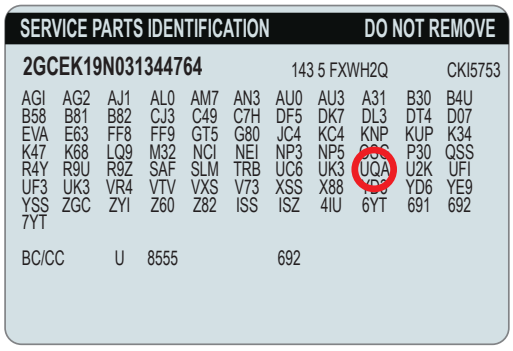
METHOD 1: Look for the following logos in the vehicle. They are usually on the speaker covers or on the radio unit. If you find any of the following logos Bose, Pioneer or Monsoon, you have a factory amplifier.

BOSE

Pioneer

MONSOON

METHOD 2: Look for the following sticker in the glove box. This sticker will indicate all the Regular Production Option (RPO) codes. If you find any of the following codes UQA, UQS or UQG, you have a factory amplifier.



STEP 2

IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **with an amplifier** and read the "**AMPLIFIER ONLY**" note to determine if you should use rca's or level matching circuits.

IF YOUR VEHICLE NOT IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **without an amplifier**.

Automotive Data Solutions Inc. © 2023

INSTALLATION INSTRUCTIONS P1/1

STEP 1

Remove the factory radio

If using head unit adapter (sold separately), connect HRR-GM5+ harness to adapter and skip to step 2.

- Unbox the aftermarket radio and locate its main harness.
- Cut and remove the black 20 pin connector from the HRR-GM5+ T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the HRR-GM5+ T-harness and match the wire functions.

  Note: only connect purple/white wire to radio reverse input or module damage will occur.

STEP 2

- Connect the factory harness to the HRR-GM5+ T-harness.
- Without AMP: Ensure that the WHITE 8 pin plugs are connected.
- With AMP: Connect the HRR-GM5+ 8 pin WHITE connectors to the AMP adapter.

STEP 3

- Plug the harnesses into the aftermarket radio.
- Connect the backup camera RCA cable into the aftermarket radio.
- With AMP: Connect the Center and SUB RCA cables.
- Plug the steering wheel control cable into the aftermarket radio.

STEP 4

- Connect the ACC-SP1 speaker to Maestro module.
- Connect all the harnesses to the Maestro RR module then test your installation.

OnStar, turn signal volume, or warning chime adjust:

- Turn ignition (IGN) on
- Open driver's door

Select to adjust:

OnStar level - Press OnStar button.

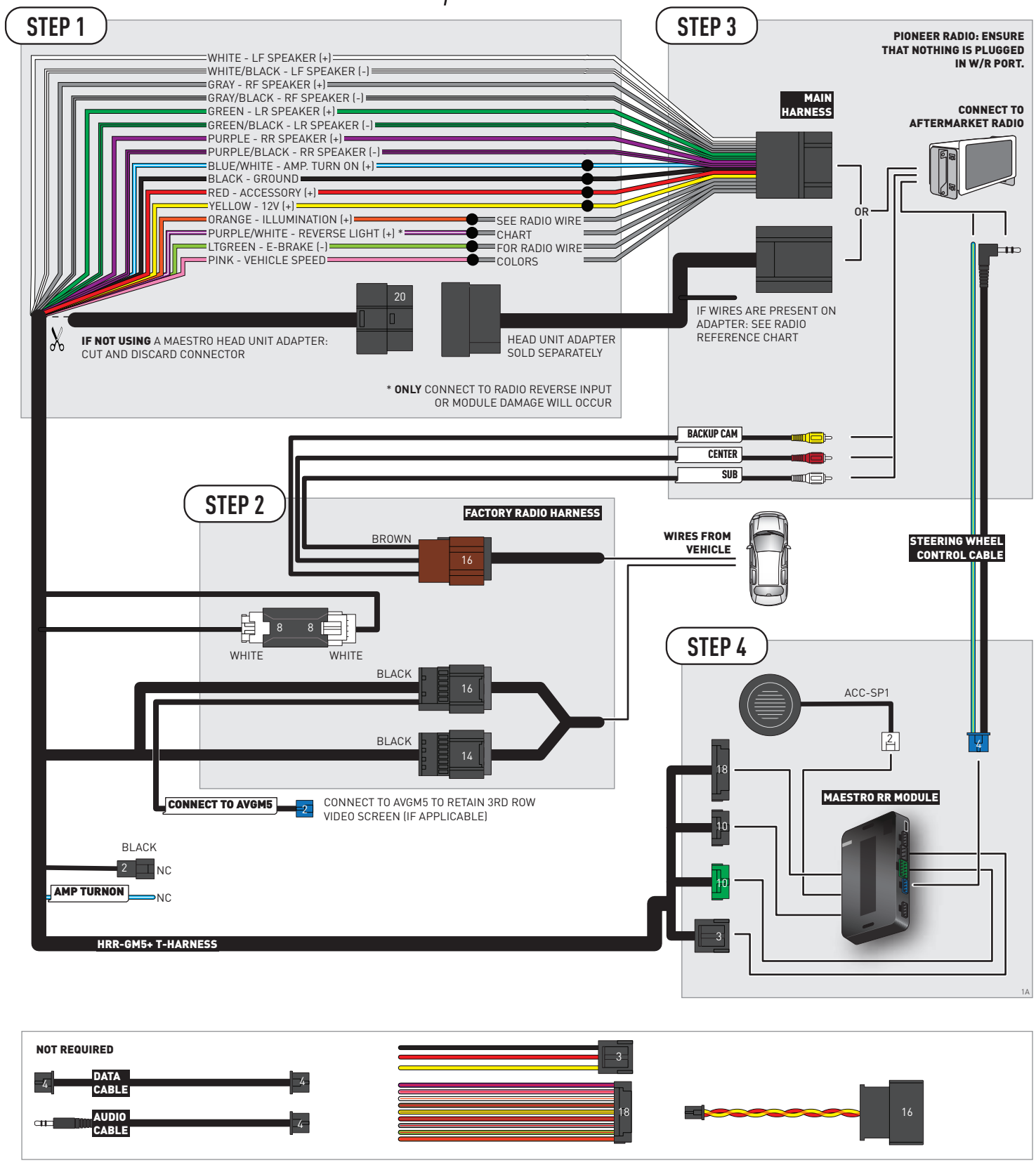
Turn signal level - activate either turn signal.

Warning chime level - turn headlight switch to parking light position (not AUTO).

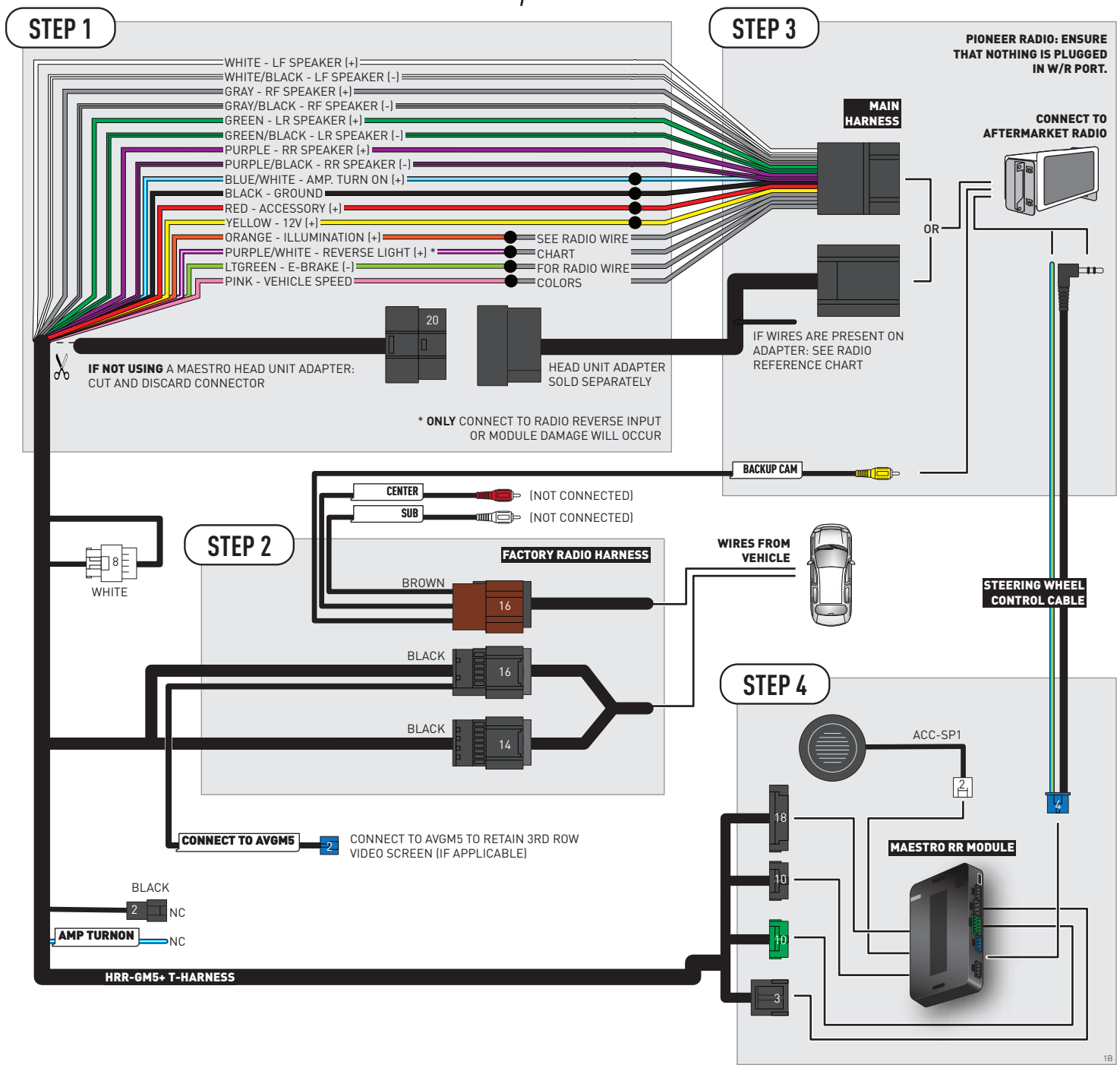
- Adjust volume using steering wheel volume up/down OR dimmer switch. If using dimmer switch, ensure headlight switch is NOT set to AUTO.

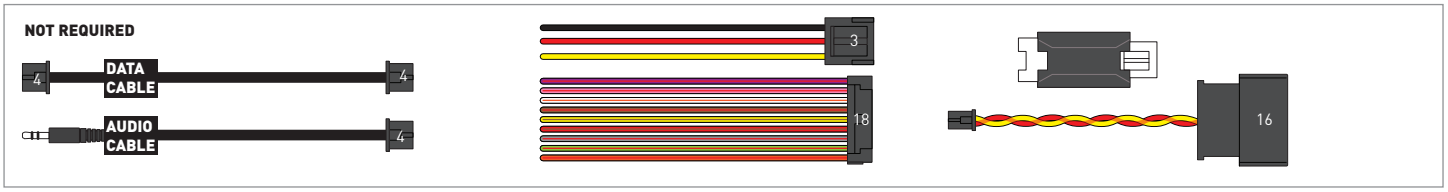
1

WIRING DIAGRAM *with an Amplifier*



WIRING DIAGRAM *without an Amplifier*





RADIO WIRE REFERENCE CHART

GM5+ (GM2) T-harness Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/ JVC cable	Wire Color on Pioneer cable	Wire Color on Sony cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light*	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A
Power Antenna	(+)	Blue	Blue	Blue	Blue/White	Blue or Blue/White

Head unit adapter wiring (optional accessory, sold separately)

ACC-HU-ALP1 Wire Description	Polarity	Wire Color on Adapter	Alpine Radio
VSS (vehicle speed sensor)	(DATA)	Green/White	Green/White

ACC-HU-KEN1 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
CAM	(+)	Green/Red	Refer to camera/radio manual
CAM	(-)	Green/White	Refer to camera/radio manual
Steering Wheel Controls	(DATA)	Blue/Yellow	Connect if no iDatalink 4-pin port on radio

ACC-HU-KEN2 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
E-Brake	(-)	LtGreen	LtGreen
Reverse Light*	(+)	Purple/White	Purple/White
Steering Wheel Controls	(DATA)	Blue/Yellow	Connect if no iDatalink 4-pin port on radio

* Reverse light wire: Only connect to radio or module damage will occur.

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 (RR2) Bluetooth activity	LED STATUS	DIAGNOSTIC
● or ●		RED or GREEN flashing	LED flashes 1 or more times, either red or green, **when a steering wheel button is pressed** : normal operation.
●		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do NOT use DEMO MODE.
●		1 GREEN flash	After radio boots up : Normal operation.
	●	3 GREEN flashes	Bluetooth is activated. Turns off after one minute: Normal operation.
●	●	OFF	Normal operation (inactive).

VIDEO HELP		Installation, product information, vehicle specific videos.
VERIFY FLASH		Last flash information, steering control configuration, vehicle information.
WEBLINK		Software to program module.

TROUBLESHOOTING TABLE P1 /2

PROBLEM	SOLUTION
Steering wheel controls do not work but LED on the Maestro does blink when steering wheel buttons are pressed.	Ensure the blue 4-pin steering wheel control cable is connected between the Maestro and the radio. The radio will use either the 3.5mm jack OR the blue/yellow wire, not both. Connect the 3.5mm jack from the Maestro blue 4-pin cable to the radio's 3.5mm port (labeled steering, remote, or wheel). If no such port exists, wire the blue/yellow to blue/yellow (Kenwood/JVC) or to the radio's Key 1 wire (brands not listed/other) and secure the 3.5mm jack. It will not be used. Verify the buttons are set up in the flash. If any button is set to "none" for "press once", it will do nothing. "Hold" column can be left as none and the "press once" function will operate with one press and when holding the button. Refer to radio's owner's manual to verify if the radio has this function: • JVC/Kenwood : Steering Wheel Control (ON/OFF): choose ON • Nakamichi : if model is listed, ensure PAC mode is on. If "other", learn the buttons in the radio steering wheel menu. • Sony : Steering Wheel Control (Custom/Preset): choose Preset. If phone buttons do not operate properly, flash the module as Pioneer – 2009 and newer with BT. Then select "custom" instead of "preset" and learn the buttons in the radio menu. • Other brands – radio should have a steering wheel menu to learn the buttons. You may have to select type A/B/C/1/2/3 and try learning again if buttons are not saving. Refer to radio manufacturer's tech support for further advice if not learning properly.
Radio does not turn on.	Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.
No sound from OnStar and/or no warning or turn signal chimes.	Plug the chime speaker in. Only turn signal chimes not working - verify "Turn Signal Reminder" is set to "Click in speaker" when programming the Maestro module. Chimes not working, but OnStar is - If vehicle was factory amplified and is now bypassed, ensure "Factory Amplifier" is turned off on the "Select how to configure your system" page when programming the Maestro module.
No sound from the Bose system (If equipped).	Make sure the amplifier turn on wire (Blue/White) of the T-Harness is connected to the radio's amplifier turn on wire. When flashing the Maestro make sure that the Amplifier in OEM Systems to Retain is selected. Make sure the RCA's are connected to the radio or the speaker wires are connected depending on your installation method.
Audio is very quiet or very loud.	Non amplified vehicles: ensure the AMP adapter is NOT plugged in between the white 8 pin plugs. Amplified vehicles: ensure the AMP adapter IS plugged in between the white 8 pin plugs.
(Vehicle using a GM2 harness only) Backup camera is not working and displays a black screen on radio when in reverse.	Ensure the 2-pin yellow plug is connected as shown on the diagram.
The light on the Maestro is flashing **RED ONCE**.	There is no firmware on the module; flash the RR module. DO NOT use demo mode.

TROUBLESHOOTING TABLE P2 /2

MAESTRO RR RESET PROCEDURE:

Turn the key to the OFF position, then disconnect all connectors from the module.
Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).
Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds to show the reset was successful.

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

IMPORTANT: To ensure proper operation, the aftermarket radio needs to have the latest firmware from the manufacturer. Please visit the radio manufacturer's website and look for any updates pertaining to your radio.

INSTALL GUIDE

2007-2011
CHEVROLET SILVERADO 1500

RETAINS STEERING WHEEL CONTROLS, ONSTAR, BLUETOOTH AND MORE!



PRODUITS REQUIS
Interface de remplacement d'autoradio: iDatalink Maestro RR ou RR2
Câblage : iDatalink Maestro HRR-GM5+

PROGRAMMED FIRMWARE
ADS-RR(SR)-GM05-AS

ADDITIONAL RESOURCES
Maestro RR2 Programmable Outputs Guide

OPTIONAL ACCESSORIES

ACC-SP1

HEAD UNIT ADAPTER:
ACC-HU-PI01, SON1, KEN1, KEN2, ALP1

NOTICE: Automotive Data Solutions Inc. (ADS) recommends having this installation performed by a certified technician. Logos and trademarks used here in are the properties of their respective owners.

WELCOME

Congratulations on the purchase of your iDatalink Maestro RR Radio replacement solution. You are now a few simple steps away from enjoying your new car radio with enhanced features.

Before starting your installation, please ensure that your iDatalink Maestro module is programmed with the correct firmware for your vehicle and that you carefully review the install guide.

Please note that Maestro RR will only retain functionalities that were originally available in the vehicle.

TABLE OF CONTENTS

Before Installing	3
Installation Instructions	4
Wiring Diagram with an Amplifier	5
Wiring Diagram without an Amplifier	6
Radio Wire Reference Chart	7
Module Diagnostics	8
Troubleshooting Table	9

NEED HELP?

1 866 427-2999

maestro.support@idatalink.com

BEFORE INSTALLING P1 /1

STEP 1

DETERMINE IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

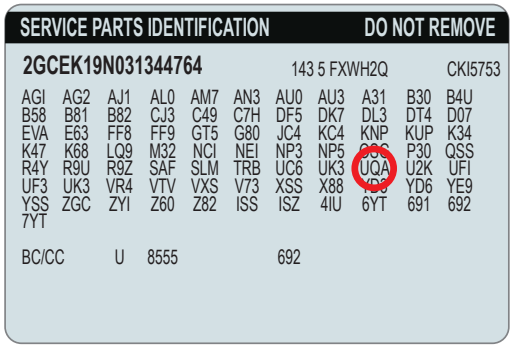
METHOD 1: Look for the following logos in the vehicle. They are usually on the speaker covers or on the radio unit. If you find any of the following logos Bose, Pioneer or Monsoon, you have a factory amplifier.

BOSE

Pioneer

MONSOON

METHOD 2: Look for the following sticker in the glove box. This sticker will indicate all the Regular Production Option (RPO) codes. If you find any of the following codes UQA, UQS or UQG, you have a factory amplifier.



STEP 2

IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **with an amplifier** and read the "**AMPLIFIER ONLY**" note to determine if you should use rca's or level matching circuits.

IF YOUR VEHICLE NOT IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **without an amplifier**.

Automotive Data Solutions Inc. © 2023

INSTALLATION INSTRUCTIONS P1/1

STEP 1

Remove the factory radio

If using head unit adapter (sold separately), connect HRR-GM5+ harness to adapter and skip to step 2.

- Unbox the aftermarket radio and locate its main harness.
- Cut and remove the black 20 pin connector from the HRR-GM5+ T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the HRR-GM5+ T-harness and match the wire functions.

  Note: only connect purple/white wire to radio reverse input or module damage will occur.

STEP 2

- Connect the factory harness to the HRR-GM5+ T-harness.
- Without AMP: Ensure that the WHITE 8 pin plugs are connected.
- With AMP: Connect the HRR-GM5+ 8 pin WHITE connectors to the AMP adapter.

STEP 3

- Plug the harnesses into the aftermarket radio.
- Connect the backup camera RCA cable into the aftermarket radio.
- With AMP: Connect the Center and SUB RCA cables.
- Plug the steering wheel control cable into the aftermarket radio.

STEP 4

- Connect the ACC-SP1 speaker to Maestro module.
- Connect all the harnesses to the Maestro RR module then test your installation.

OnStar, turn signal volume, or warning chime adjust:

- Turn ignition (IGN) on
- Open driver's door

Select to adjust:

OnStar level - Press OnStar button.

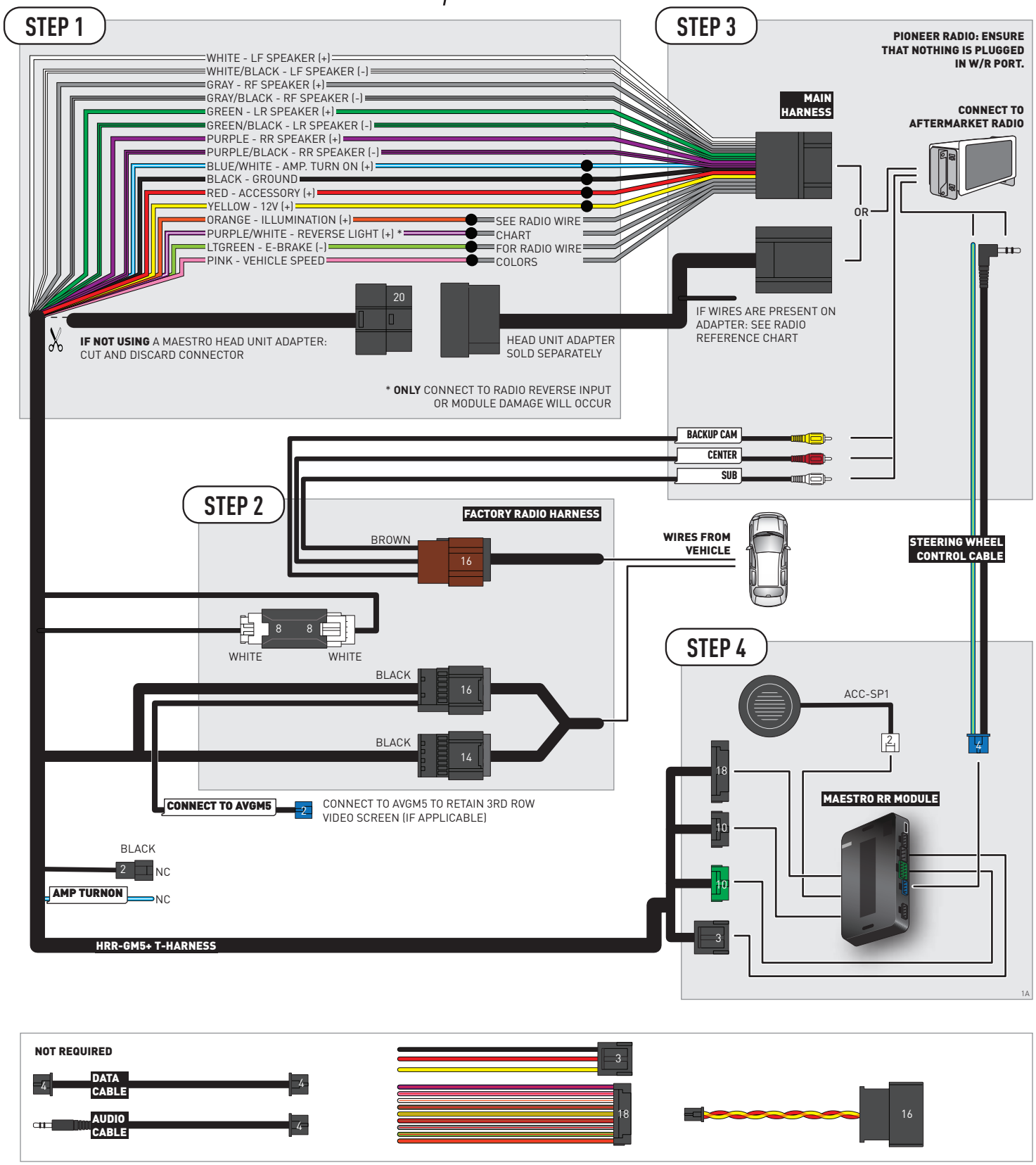
Turn signal level - activate either turn signal.

Warning chime level - turn headlight switch to parking light position (not AUTO).

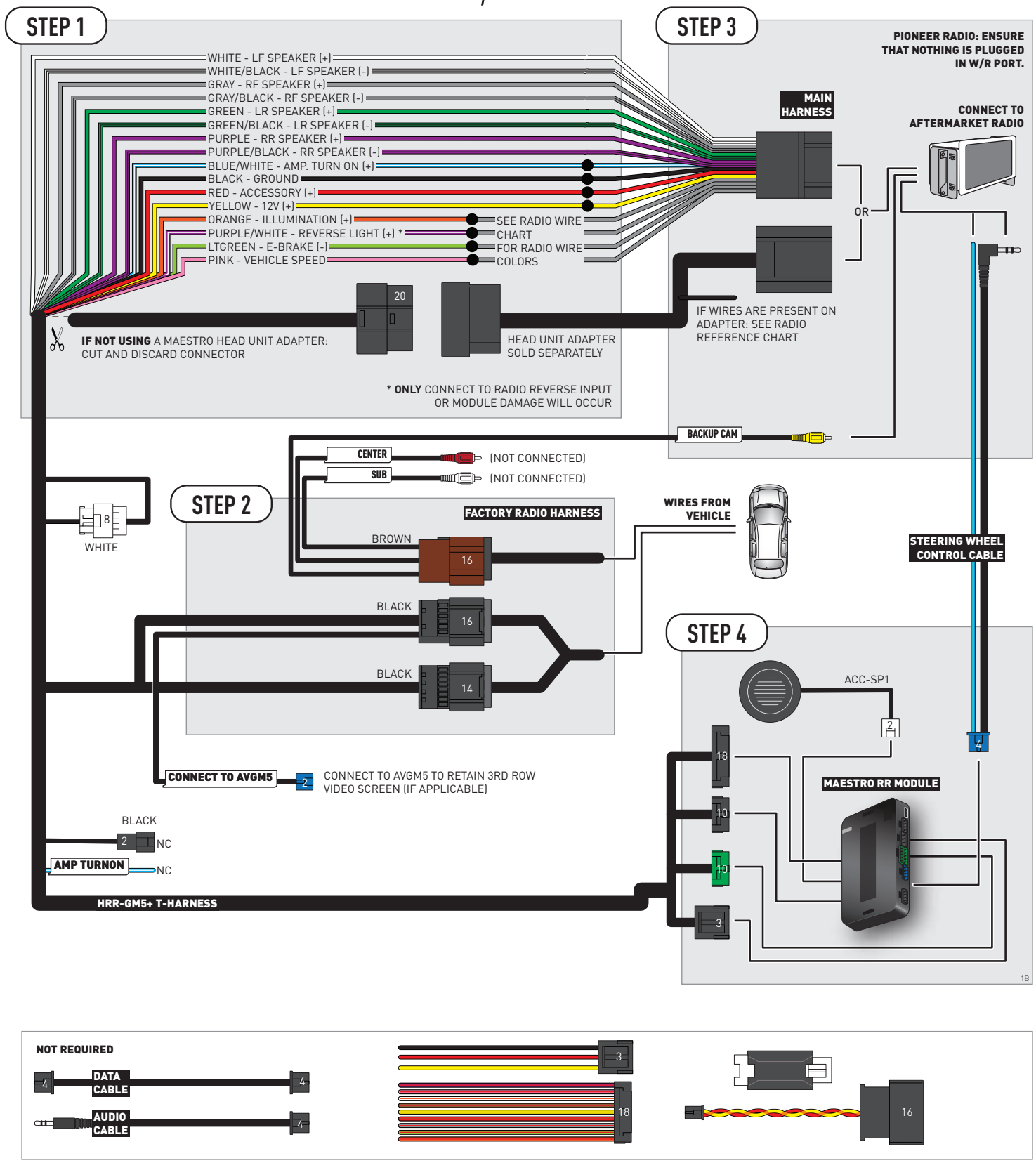
- Adjust volume using steering wheel volume up/down OR dimmer switch. If using dimmer switch, ensure headlight switch is NOT set to AUTO.

Automotive Data Solutions Inc. © 2023

WIRING DIAGRAM *with an Amplifier*



WIRING DIAGRAM *without an Amplifier*



RADIO WIRE REFERENCE CHART

GM5+ (GM2) T-harness Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/ JVC cable	Wire Color on Pioneer cable	Wire Color on Sony cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light*	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A
Power Antenna	(+)	Blue	Blue	Blue	Blue/White	Blue or Blue/White

Head unit adapter wiring (optional accessory, sold separately)

ACC-HU-ALP1 Wire Description	Polarity	Wire Color on Adapter	Alpine Radio
VSS (vehicle speed sensor)	(DATA)	Green/White	Green/White

ACC-HU-KEN1 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
CAM	(+)	Green/Red	Refer to camera/radio manual
CAM	(-)	Green/White	Refer to camera/radio manual
Steering Wheel Controls	(DATA)	Blue/Yellow	Connect if no iDatalink 4-pin port on radio

ACC-HU-KEN2 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
E-Brake	(-)	LtGreen	LtGreen
Reverse Light*	(+)	Purple/White	Purple/White
Steering Wheel Controls	(DATA)	Blue/Yellow	Connect if no iDatalink 4-pin port on radio

* Reverse light wire: Only connect to radio or module damage will occur.

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 (RR2) Bluetooth activity	LED STATUS	DIAGNOSTIC
● or ●		RED or GREEN flashing	LED flashes 1 or more times, either red or green, **when a steering wheel button is pressed** : normal operation.
●		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do NOT use DEMO MODE.
●		1 GREEN flash	After radio boots up : Normal operation.
	●	3 GREEN flashes	Bluetooth is activated. Turns off after one minute: Normal operation.
●	●	OFF	Normal operation (inactive).

VIDEO HELP		Installation, product information, vehicle specific videos.
VERIFY FLASH		Last flash information, steering control configuration, vehicle information.
WEBLINK		Software to program module.

TROUBLESHOOTING TABLE P1 /2

PROBLEM	SOLUTION
Steering wheel controls do not work but LED on the Maestro does blink when steering wheel buttons are pressed.	Ensure the blue 4-pin steering wheel control cable is connected between the Maestro and the radio. The radio will use either the 3.5mm jack OR the blue/yellow wire, not both. Connect the 3.5mm jack from the Maestro blue 4-pin cable to the radio's 3.5mm port (labeled steering, remote, or wheel). If no such port exists, wire the blue/yellow to blue/yellow (Kenwood/JVC) or to the radio's Key 1 wire (brands not listed/other) and secure the 3.5mm jack. It will not be used. Verify the buttons are set up in the flash. If any button is set to "none" for "press once", it will do nothing. "Hold" column can be left as none and the "press once" function will operate with one press and when holding the button. Refer to radio's owner's manual to verify if the radio has this function: • JVC/Kenwood : Steering Wheel Control (ON/OFF): choose ON • Nakamichi : if model is listed, ensure PAC mode is on. If "other", learn the buttons in the radio steering wheel menu. • Sony : Steering Wheel Control (Custom/Preset): choose Preset. If phone buttons do not operate properly, flash the module as Pioneer – 2009 and newer with BT. Then select "custom" instead of "preset" and learn the buttons in the radio menu. • Other brands – radio should have a steering wheel menu to learn the buttons. You may have to select type A/B/C/1/2/3 and try learning again if buttons are not saving. Refer to radio manufacturer's tech support for further advice if not learning properly.
Radio does not turn on.	Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.
No sound from OnStar and/or no warning or turn signal chimes.	Plug the chime speaker in. Only turn signal chimes not working - verify "Turn Signal Reminder" is set to "Click in speaker" when programming the Maestro module. Chimes not working, but OnStar is - If vehicle was factory amplified and is now bypassed, ensure "Factory Amplifier" is turned off on the "Select how to configure your system" page when programming the Maestro module.
No sound from the Bose system (If equipped).	Make sure the amplifier turn on wire (Blue/White) of the T-Harness is connected to the radio's amplifier turn on wire. When flashing the Maestro make sure that the Amplifier in OEM Systems to Retain is selected. Make sure the RCA's are connected to the radio or the speaker wires are connected depending on your installation method.
Audio is very quiet or very loud.	Non amplified vehicles: ensure the AMP adapter is NOT plugged in between the white 8 pin plugs. Amplified vehicles: ensure the AMP adapter IS plugged in between the white 8 pin plugs.
(Vehicle using a GM2 harness only) Backup camera is not working and displays a black screen on radio when in reverse.	Ensure the 2-pin yellow plug is connected as shown on the diagram.
The light on the Maestro is flashing **RED ONCE**.	There is no firmware on the module; flash the RR module. DO NOT use demo mode.

TROUBLESHOOTING TABLE P2 /2

MAESTRO RR RESET PROCEDURE:

Turn the key to the OFF position, then disconnect all connectors from the module.
Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).
Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds to show the reset was successful.

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

IMPORTANT: To ensure proper operation, the aftermarket radio needs to have the latest firmware from the manufacturer. Please visit the radio manufacturer's website and look for any updates pertaining to your radio.

INSTALL GUIDE

2012-2013
CHEVROLET SILVERADO 1500
WITH NAV

RETAINS STEERING WHEEL CONTROLS, ONSTAR, BLUETOOTH AND MORE!



PRODUITS REQUIS
Interface de remplacement d'autoradio: iDatalink Maestro RR ou RR2
Câblage : iDatalink Maestro HRR-GM2

PROGRAMMED FIRMWARE
ADS-RR(SR)-GM05-AS

ADDITIONAL RESOURCES
Maestro RR2 Programmable Outputs Guide

OPTIONAL ACCESSORIES

ACC-SP1

HEAD UNIT ADAPTER:
ACC-HU-PIO1, SON1, KEN1, KEN2, ALP1

NOTICE: Automotive Data Solutions Inc. (ADS) recommends having this installation performed by a certified technician. Logos and trademarks used here in are the properties of their respective owners.

WELCOME

Congratulations on the purchase of your iDatalink Maestro RR Radio replacement solution. You are now a few simple steps away from enjoying your new car radio with enhanced features.

Before starting your installation, please ensure that your iDatalink Maestro module is programmed with the correct firmware for your vehicle and that you carefully review the install guide.

Please note that Maestro RR will only retain functionalities that were originally available in the vehicle.

TABLE OF CONTENTS

Before Installing	3
Installation Instructions	4
Wiring Diagram with an Amplifier	5
Wiring Diagram without an Amplifier	6
Radio Wire Reference Chart	7
Module Diagnostics	8
Troubleshooting Table	9

NEED HELP?

1 866 427-2999

maestro.support@idatalink.com

BEFORE INSTALLING P1 /1

STEP 1

DETERMINE IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

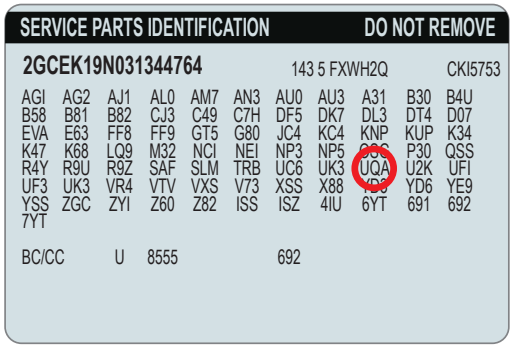
METHOD 1: Look for the following logos in the vehicle. They are usually on the speaker covers or on the radio unit. If you find any of the following logos Bose, Pioneer or Monsoon, you have a factory amplifier.

BOSE

Pioneer

MONSOON

METHOD 2: Look for the following sticker in the glove box. This sticker will indicate all the Regular Production Option (RPO) codes. If you find any of the following codes UQA, UQS or UQG, you have a factory amplifier.



STEP 2

IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **with an amplifier** and read the "**AMPLIFIER ONLY**" note to determine if you should use rca's or level matching circuits.

IF YOUR VEHICLE NOT IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **without an amplifier**.

Automotive Data Solutions Inc. © 2023

INSTALLATION INSTRUCTIONS P1/1

STEP 1

Remove the factory radio

If using head unit adapter (sold separately), connect HRR-GM2 harness to adapter and skip to step 2.

- Unbox the aftermarket radio and locate its main harness.
- Cut and remove the black 20 pin connector from the HRR-GM2 T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the HRR-GM2 T-harness and match the wire functions.

  Note: only connect purple/white wire to radio reverse input or module damage will occur.

STEP 2

- Connect the YELLOW 2 pin connector of the backup camera cable to the YELLOW connector (CAM 1) of the backup camera adapter. Connect GRAY connector of adapter to the vehicle backup camera harness.

STEP 3

- Connect the factory harness to the HRR-GM2 T-harness.
- Ensure that the RED 2 pin plugs are connected.
- Without AMP: Ensure that the WHITE 8 pin plugs are connected.
- With AMP: Connect the HRR-GM2 8 pin WHITE connectors to the AMP adapter.

STEP 4

- Plug the harnesses into the aftermarket radio.
- Connect the backup camera RCA cable into the aftermarket radio.
- Plug the steering wheel control cable into the aftermarket radio.

STEP 5

- Connect the ACC-SP1 speaker to Maestro module.
- Connect all the harnesses to the Maestro RR module then test your installation.

OnStar, turn signal volume, or warning chime adjust:

- Turn ignition (IGN) on
- Open driver's door

Select to adjust:

OnStar level - Press OnStar button.

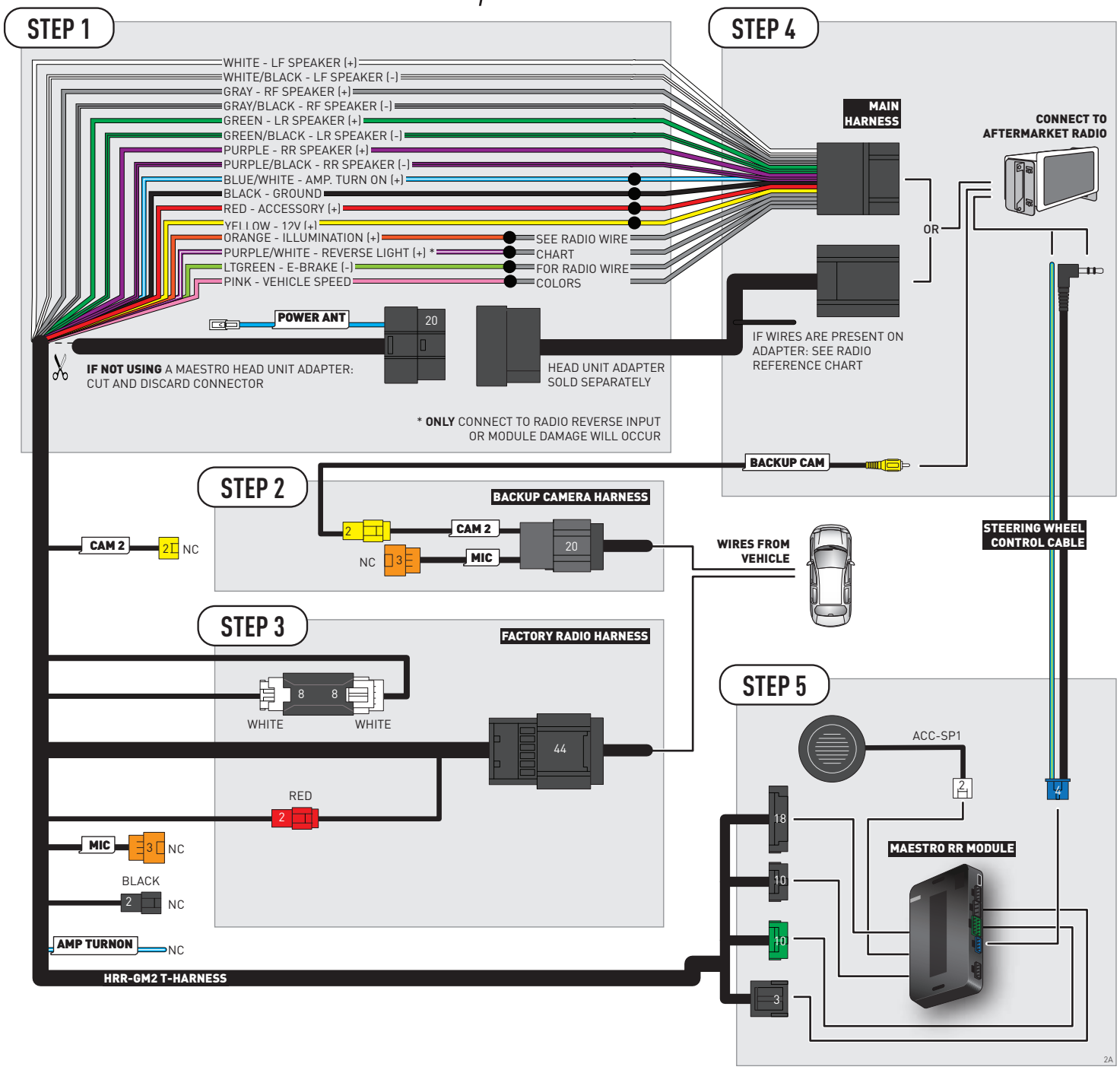
Turn signal level - activate either turn signal.

Warning chime level - turn headlight switch to parking light position (not AUTO).

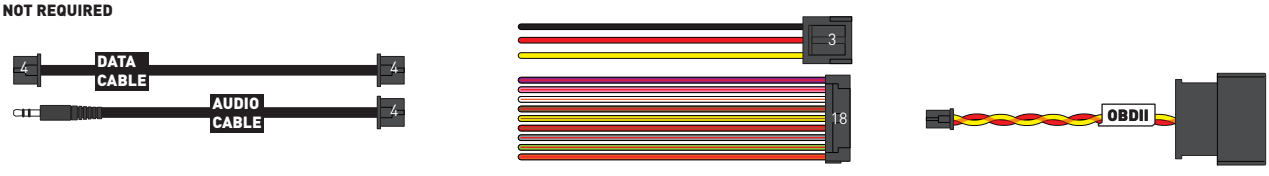
- Adjust volume using steering wheel volume up/down OR dimmer switch. If using dimmer switch, ensure headlight switch is NOT set to AUTO.

Automotive Data Solutions Inc. © 2023

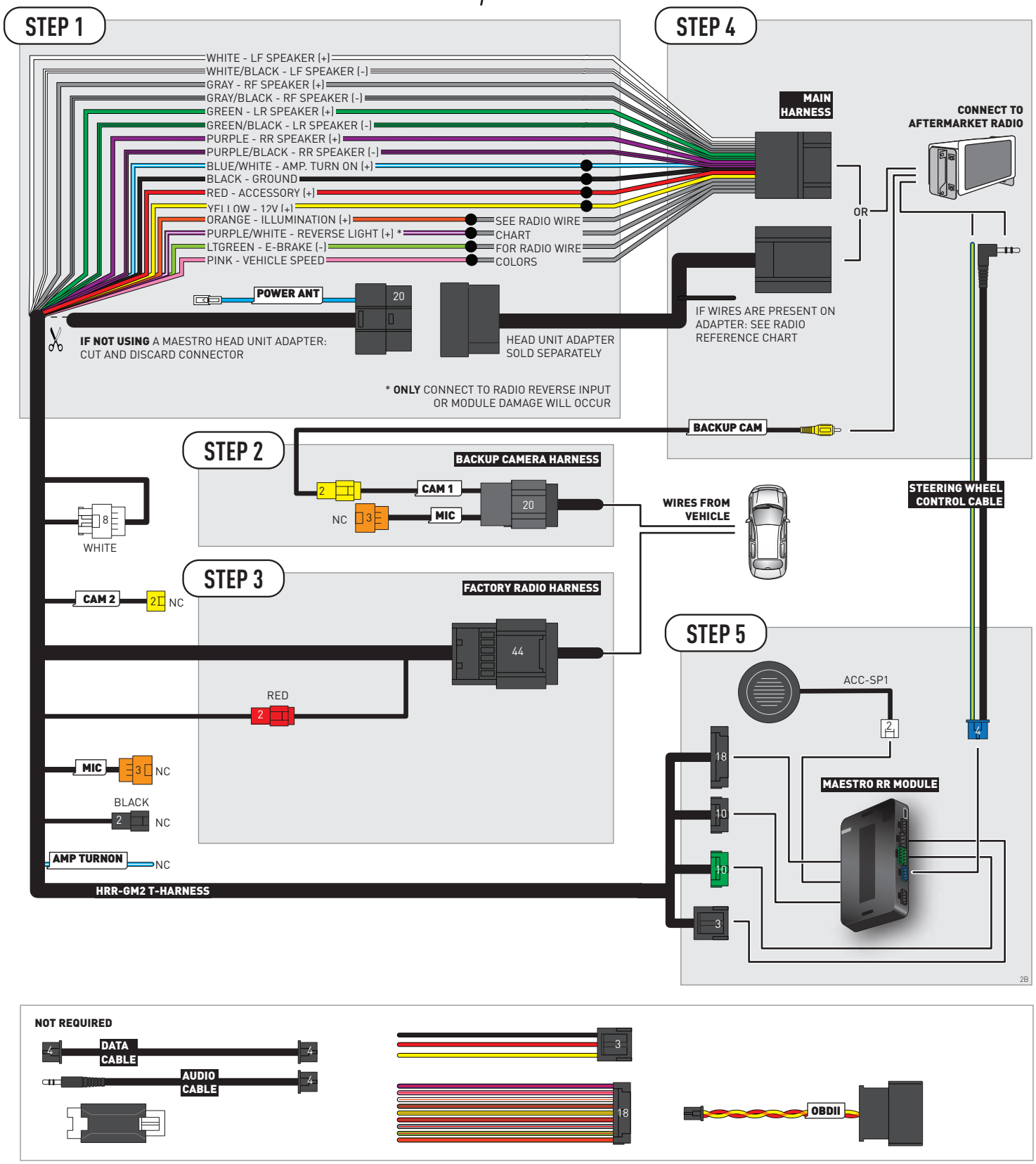
WIRING DIAGRAM *with an Amplifier*



NOT REQUIRED



WIRING DIAGRAM *without an Amplifier*



RADIO WIRE REFERENCE CHART

GM5+ (GM2) T-harness Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/ JVC cable	Wire Color on Pioneer cable	Wire Color on Sony cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light*	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A
Power Antenna	(+)	Blue	Blue	Blue	Blue/White	Blue or Blue/White

Head unit adapter wiring (optional accessory, sold separately)

ACC-HU-ALP1 Wire Description	Polarity	Wire Color on Adapter	Alpine Radio
VSS (vehicle speed sensor)	(DATA)	Green/White	Green/White

ACC-HU-KEN1 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
CAM	(+)	Green/Red	Refer to camera/radio manual
CAM	(-)	Green/White	Refer to camera/radio manual
Steering Wheel Controls	(DATA)	Blue/Yellow	Connect if no iDatalink 4-pin port on radio

ACC-HU-KEN2 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
E-Brake	(-)	LtGreen	LtGreen
Reverse Light*	(+)	Purple/White	Purple/White
Steering Wheel Controls	(DATA)	Blue/Yellow	Connect if no iDatalink 4-pin port on radio

* Reverse light wire: Only connect to radio or module damage will occur.

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 (RR2) Bluetooth activity	LED STATUS	DIAGNOSTIC
● or ●		RED or GREEN flashing	LED flashes 1 or more times, either red or green, **when a steering wheel button is pressed** : normal operation.
●		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do NOT use DEMO MODE.
●		1 GREEN flash	After radio boots up : Normal operation.
	●	3 GREEN flashes	Bluetooth is activated. Turns off after one minute: Normal operation.
●	●	OFF	Normal operation (inactive).

VIDEO HELP		Installation, product information, vehicle specific videos.
VERIFY FLASH		Last flash information, steering control configuration, vehicle information.
WEBLINK		Software to program module.

TROUBLESHOOTING TABLE P1 /2

PROBLEM	SOLUTION
Steering wheel controls do not work but LED on the Maestro does blink when steering wheel buttons are pressed.	Ensure the blue 4-pin steering wheel control cable is connected between the Maestro and the radio. The radio will use either the 3.5mm jack OR the blue/yellow wire, not both. Connect the 3.5mm jack from the Maestro blue 4-pin cable to the radio's 3.5mm port (labeled steering, remote, or wheel). If no such port exists, wire the blue/yellow to blue/yellow (Kenwood/JVC) or to the radio's Key 1 wire (brands not listed/other) and secure the 3.5mm jack. It will not be used. Verify the buttons are set up in the flash. If any button is set to "none" for "press once", it will do nothing. "Hold" column can be left as none and the "press once" function will operate with one press and when holding the button. Refer to radio's owner's manual to verify if the radio has this function: • JVC/Kenwood : Steering Wheel Control (ON/OFF): choose ON • Nakamichi : if model is listed, ensure PAC mode is on. If "other", learn the buttons in the radio steering wheel menu. • Sony : Steering Wheel Control (Custom/Preset): choose Preset. If phone buttons do not operate properly, flash the module as Pioneer – 2009 and newer with BT. Then select "custom" instead of "preset" and learn the buttons in the radio menu. • Other brands – radio should have a steering wheel menu to learn the buttons. You may have to select type A/B/C/1/2/3 and try learning again if buttons are not saving. Refer to radio manufacturer's tech support for further advice if not learning properly.
Radio does not turn on.	Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.
No sound from OnStar and/or no warning or turn signal chimes.	Plug the chime speaker in. Only turn signal chimes not working - verify "Turn Signal Reminder" is set to "Click in speaker" when programming the Maestro module. Chimes not working, but OnStar is - If vehicle was factory amplified and is now bypassed, ensure "Factory Amplifier" is turned off on the "Select how to configure your system" page when programming the Maestro module.
No sound from the Bose system (If equipped).	Make sure the amplifier turn on wire (Blue/White) of the T-Harness is connected to the radio's amplifier turn on wire. When flashing the Maestro make sure that the Amplifier in OEM Systems to Retain is selected. Make sure the RCA's are connected to the radio or the speaker wires are connected depending on your installation method.
Audio is very quiet or very loud.	Non amplified vehicles: ensure the AMP adapter is NOT plugged in between the white 8 pin plugs. Amplified vehicles: ensure the AMP adapter IS plugged in between the white 8 pin plugs.
(Vehicle using a GM2 harness only) Backup camera is not working and displays a black screen on radio when in reverse.	Ensure the 2-pin yellow plug is connected as shown on the diagram.
The light on the Maestro is flashing **RED ONCE**.	There is no firmware on the module; flash the RR module. DO NOT use demo mode.

TROUBLESHOOTING TABLE P2 /2

MAESTRO RR RESET PROCEDURE:

Turn the key to the OFF position, then disconnect all connectors from the module.
Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).
Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds to show the reset was successful.

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

IMPORTANT: To ensure proper operation, the aftermarket radio needs to have the latest firmware from the manufacturer. Please visit the radio manufacturer's website and look for any updates pertaining to your radio.

INSTALL GUIDE

2012-2013
CHEVROLET SILVERADO 1500
WITHOUT NAV

RETAINS STEERING WHEEL CONTROLS, ONSTAR, BLUETOOTH AND MORE!



PRODUITS REQUIS
Interface de remplacement d'autoradio: iDatalink Maestro RR ou RR2
Câblage : iDatalink Maestro HRR-GM5+

PROGRAMMED FIRMWARE
ADS-RR(SR)-GM05-AS

ADDITIONAL RESOURCES
Maestro RR2 Programmable Outputs Guide

OPTIONAL ACCESSORIES

ACC-SP1

HEAD UNIT ADAPTER:
ACC-HU-PI01, S0N1, KEN1, KEN2, ALP1

NOTICE: Automotive Data Solutions Inc. (ADS) recommends having this installation performed by a certified technician. Logos and trademarks used here in are the properties of their respective owners.

WELCOME

Congratulations on the purchase of your iDatalink Maestro RR Radio replacement solution. You are now a few simple steps away from enjoying your new car radio with enhanced features.

Before starting your installation, please ensure that your iDatalink Maestro module is programmed with the correct firmware for your vehicle and that you carefully review the install guide.

Please note that Maestro RR will only retain functionalities that were originally available in the vehicle.

TABLE OF CONTENTS

Before Installing	3
Installation Instructions	4
Wiring Diagram with an Amplifier	5
Wiring Diagram without an Amplifier	6
Radio Wire Reference Chart	7
Module Diagnostics	8
Troubleshooting Table	9

NEED HELP?

1 866 427-2999

maestro.support@idatalink.com

BEFORE INSTALLING P1 /1

STEP 1

DETERMINE IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

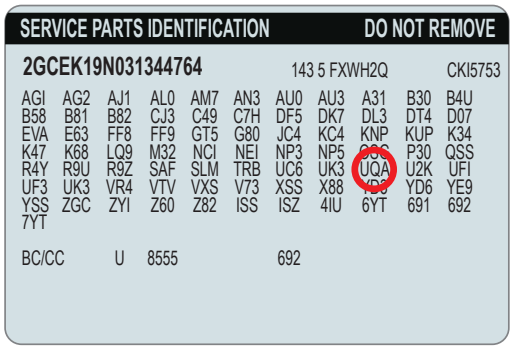
METHOD 1: Look for the following logos in the vehicle. They are usually on the speaker covers or on the radio unit. If you find any of the following logos Bose, Pioneer or Monsoon, you have a factory amplifier.

BOSE

Pioneer

MONSOON

METHOD 2: Look for the following sticker in the glove box. This sticker will indicate all the Regular Production Option (RPO) codes. If you find any of the following codes UQA, UQS or UQG, you have a factory amplifier.



STEP 2

IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **with an amplifier** and read the "**AMPLIFIER ONLY**" note to determine if you should use rca's or level matching circuits.

IF YOUR VEHICLE NOT IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **without an amplifier**.

Automotive Data Solutions Inc. © 2023

INSTALLATION INSTRUCTIONS P1/1

STEP 1

Remove the factory radio

If using head unit adapter (sold separately), connect HRR-GM5+ harness to adapter and skip to step 2.

- Unbox the aftermarket radio and locate its main harness.
- Cut and remove the black 20 pin connector from the HRR-GM5+ T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the HRR-GM5+ T-harness and match the wire functions.

  Note: only connect purple/white wire to radio reverse input or module damage will occur.

STEP 2

- Connect the factory harness to the HRR-GM5+ T-harness.
- Without AMP: Ensure that the WHITE 8 pin plugs are connected.
- With AMP: Connect the HRR-GM5+ 8 pin WHITE connectors to the AMP adapter.

STEP 3

- Plug the harnesses into the aftermarket radio.
- Connect the backup camera RCA cable into the aftermarket radio.
- With AMP: Connect the Center and SUB RCA cables.
- Plug the steering wheel control cable into the aftermarket radio.

STEP 4

- Connect the ACC-SP1 speaker to Maestro module.
- Connect all the harnesses to the Maestro RR module then test your installation.

OnStar, turn signal volume, or warning chime adjust:

- Turn ignition (IGN) on
- Open driver's door

Select to adjust:

OnStar level - Press OnStar button.

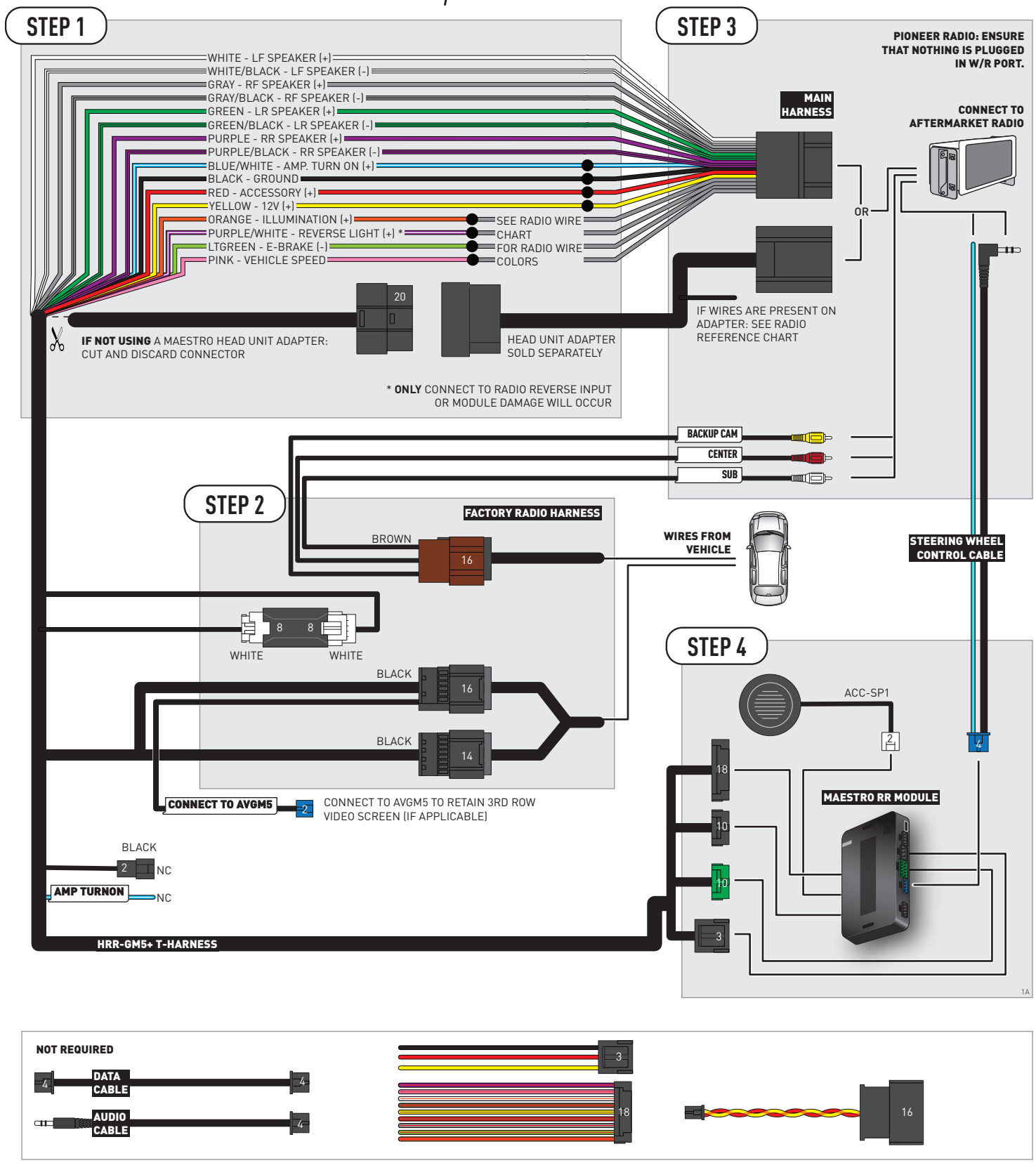
Turn signal level - activate either turn signal.

Warning chime level - turn headlight switch to parking light position (not AUTO).

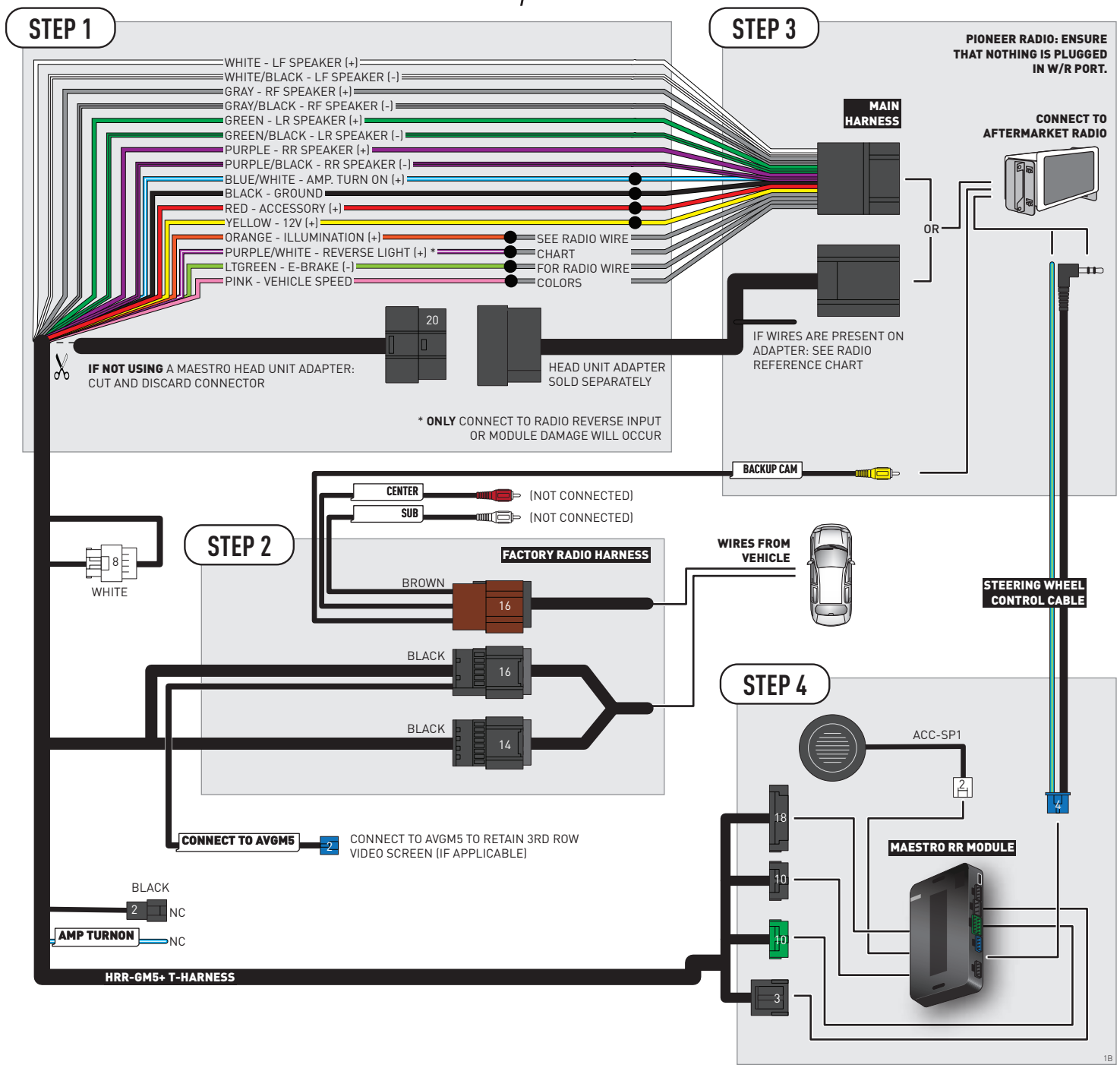
- Adjust volume using steering wheel volume up/down OR dimmer switch. If using dimmer switch, ensure headlight switch is NOT set to AUTO.

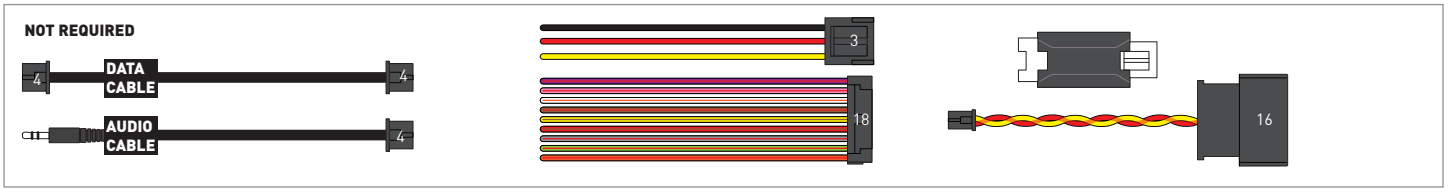
Automotive Data Solutions Inc. © 2023

WIRING DIAGRAM *with an Amplifier*



WIRING DIAGRAM *without an Amplifier*





RADIO WIRE REFERENCE CHART

GM5+ (GM2) T-harness Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/ JVC cable	Wire Color on Pioneer cable	Wire Color on Sony cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light*	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A
Power Antenna	(+)	Blue	Blue	Blue	Blue/White	Blue or Blue/White

Head unit adapter wiring (optional accessory, sold separately)

ACC-HU-ALP1 Wire Description	Polarity	Wire Color on Adapter	Alpine Radio
VSS (vehicle speed sensor)	(DATA)	Green/White	Green/White

ACC-HU-KEN1 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
CAM	(+)	Green/Red	Refer to camera/radio manual
CAM	(-)	Green/White	Refer to camera/radio manual
Steering Wheel Controls	(DATA)	Blue/Yellow	Connect if no iDatalink 4-pin port on radio

ACC-HU-KEN2 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
E-Brake	(-)	LtGreen	LtGreen
Reverse Light*	(+)	Purple/White	Purple/White
Steering Wheel Controls	(DATA)	Blue/Yellow	Connect if no iDatalink 4-pin port on radio

* Reverse light wire: Only connect to radio or module damage will occur.

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 (RR2) Bluetooth activity	LED STATUS	DIAGNOSTIC
● or ●		RED or GREEN flashing	LED flashes 1 or more times, either red or green, **when a steering wheel button is pressed** : normal operation.
●		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do NOT use DEMO MODE.
●		1 GREEN flash	After radio boots up : Normal operation.
	●	3 GREEN flashes	Bluetooth is activated. Turns off after one minute: Normal operation.
●	●	OFF	Normal operation (inactive).

VIDEO HELP		Installation, product information, vehicle specific videos.
VERIFY FLASH		Last flash information, steering control configuration, vehicle information.
WEBLINK		Software to program module.

TROUBLESHOOTING TABLE P1 /2

PROBLEM	SOLUTION
Steering wheel controls do not work but LED on the Maestro does blink when steering wheel buttons are pressed.	Ensure the blue 4-pin steering wheel control cable is connected between the Maestro and the radio. The radio will use either the 3.5mm jack OR the blue/yellow wire, not both. Connect the 3.5mm jack from the Maestro blue 4-pin cable to the radio's 3.5mm port (labeled steering, remote, or wheel). If no such port exists, wire the blue/yellow to blue/yellow (Kenwood/JVC) or to the radio's Key 1 wire (brands not listed/other) and secure the 3.5mm jack. It will not be used. Verify the buttons are set up in the flash. If any button is set to "none" for "press once", it will do nothing. "Hold" column can be left as none and the "press once" function will operate with one press and when holding the button. Refer to radio's owner's manual to verify if the radio has this function: • JVC/Kenwood : Steering Wheel Control (ON/OFF): choose ON • Nakamichi : if model is listed, ensure PAC mode is on. If "other", learn the buttons in the radio steering wheel menu. • Sony : Steering Wheel Control (Custom/Preset): choose Preset. If phone buttons do not operate properly, flash the module as Pioneer – 2009 and newer with BT. Then select "custom" instead of "preset" and learn the buttons in the radio menu. • Other brands – radio should have a steering wheel menu to learn the buttons. You may have to select type A/B/C/1/2/3 and try learning again if buttons are not saving. Refer to radio manufacturer's tech support for further advice if not learning properly.
Radio does not turn on.	Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.
No sound from OnStar and/or no warning or turn signal chimes.	Plug the chime speaker in. Only turn signal chimes not working - verify "Turn Signal Reminder" is set to "Click in speaker" when programming the Maestro module. Chimes not working, but OnStar is - If vehicle was factory amplified and is now bypassed, ensure "Factory Amplifier" is turned off on the "Select how to configure your system" page when programming the Maestro module.
No sound from the Bose system (If equipped).	Make sure the amplifier turn on wire (Blue/White) of the T-Harness is connected to the radio's amplifier turn on wire. When flashing the Maestro make sure that the Amplifier in OEM Systems to Retain is selected. Make sure the RCA's are connected to the radio or the speaker wires are connected depending on your installation method.
Audio is very quiet or very loud.	Non amplified vehicles: ensure the AMP adapter is NOT plugged in between the white 8 pin plugs. Amplified vehicles: ensure the AMP adapter IS plugged in between the white 8 pin plugs.
(Vehicle using a GM2 harness only) Backup camera is not working and displays a black screen on radio when in reverse.	Ensure the 2-pin yellow plug is connected as shown on the diagram.
The light on the Maestro is flashing **RED ONCE**.	There is no firmware on the module; flash the RR module. DO NOT use demo mode.

TROUBLESHOOTING TABLE P2 /2

MAESTRO RR RESET PROCEDURE:

Turn the key to the OFF position, then disconnect all connectors from the module.
Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).
Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds to show the reset was successful.

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

IMPORTANT: To ensure proper operation, the aftermarket radio needs to have the latest firmware from the manufacturer. Please visit the radio manufacturer's website and look for any updates pertaining to your radio.

INSTALL GUIDE

2007-2011
CHEVROLET SILVERADO 2500 & 3500

RETAINS STEERING WHEEL CONTROLS, ONSTAR, BLUETOOTH AND MORE!



PRODUITS REQUIS
Interface de remplacement d'autoradio: iDatalink Maestro RR ou RR2
Câblage : iDatalink Maestro HRR-GM5+

PROGRAMMED FIRMWARE
ADS-RR(SR)-GM05-AS

ADDITIONAL RESOURCES
Maestro RR2 Programmable Outputs Guide

OPTIONAL ACCESSORIES

ACC-SP1

HEAD UNIT ADAPTER:
ACC-HU-PI01, SON1, KEN1, KEN2, ALP1

NOTICE: Automotive Data Solutions Inc. (ADS) recommends having this installation performed by a certified technician. Logos and trademarks used here in are the properties of their respective owners.

WELCOME

Congratulations on the purchase of your iDatalink Maestro RR Radio replacement solution. You are now a few simple steps away from enjoying your new car radio with enhanced features.

Before starting your installation, please ensure that your iDatalink Maestro module is programmed with the correct firmware for your vehicle and that you carefully review the install guide.

Please note that Maestro RR will only retain functionalities that were originally available in the vehicle.

TABLE OF CONTENTS

Before Installing	3
Installation Instructions	4
Wiring Diagram with an Amplifier	5
Wiring Diagram without an Amplifier	6
Radio Wire Reference Chart	7
Module Diagnostics	8
Troubleshooting Table	9

NEED HELP?

1 866 427-2999

maestro.support@idatalink.com

BEFORE INSTALLING P1 /1

STEP 1

DETERMINE IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

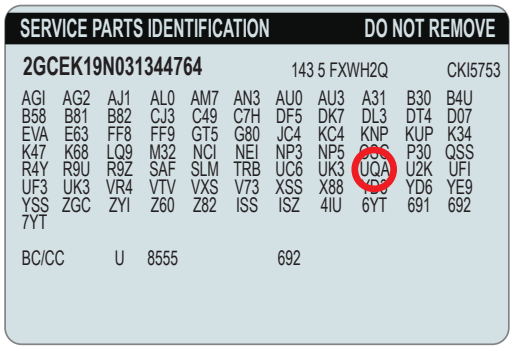
METHOD 1: Look for the following logos in the vehicle. They are usually on the speaker covers or on the radio unit. If you find any of the following logos Bose, Pioneer or Monsoon, you have a factory amplifier.

BOSE

Pioneer

MONSOON

METHOD 2: Look for the following sticker in the glove box. This sticker will indicate all the Regular Production Option (RPO) codes. If you find any of the following codes UQA, UQS or UQG, you have a factory amplifier.



STEP 2

IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **with an amplifier** and read the "**AMPLIFIER ONLY**" note to determine if you should use rca's or level matching circuits.

IF YOUR VEHICLE NOT IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **without an amplifier**.

Automotive Data Solutions Inc. © 2023

INSTALLATION INSTRUCTIONS P1/1

STEP 1

Remove the factory radio

If using head unit adapter (sold separately), connect HRR-GM5+ harness to adapter and skip to step 2.

- Unbox the aftermarket radio and locate its main harness.
- Cut and remove the black 20 pin connector from the HRR-GM5+ T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the HRR-GM5+ T-harness and match the wire functions.

  Note: only connect purple/white wire to radio reverse input or module damage will occur.

STEP 2

- Connect the factory harness to the HRR-GM5+ T-harness.
- Without AMP: Ensure that the WHITE 8 pin plugs are connected.
- With AMP: Connect the HRR-GM5+ 8 pin WHITE connectors to the AMP adapter.

STEP 3

- Plug the harnesses into the aftermarket radio.
- Connect the backup camera RCA cable into the aftermarket radio.
- With AMP: Connect the Center and SUB RCA cables.
- Plug the steering wheel control cable into the aftermarket radio.

STEP 4

- Connect the ACC-SP1 speaker to Maestro module.
- Connect all the harnesses to the Maestro RR module then test your installation.

OnStar, turn signal volume, or warning chime adjust:

- Turn ignition (IGN) on
- Open driver's door

Select to adjust:

OnStar level - Press OnStar button.

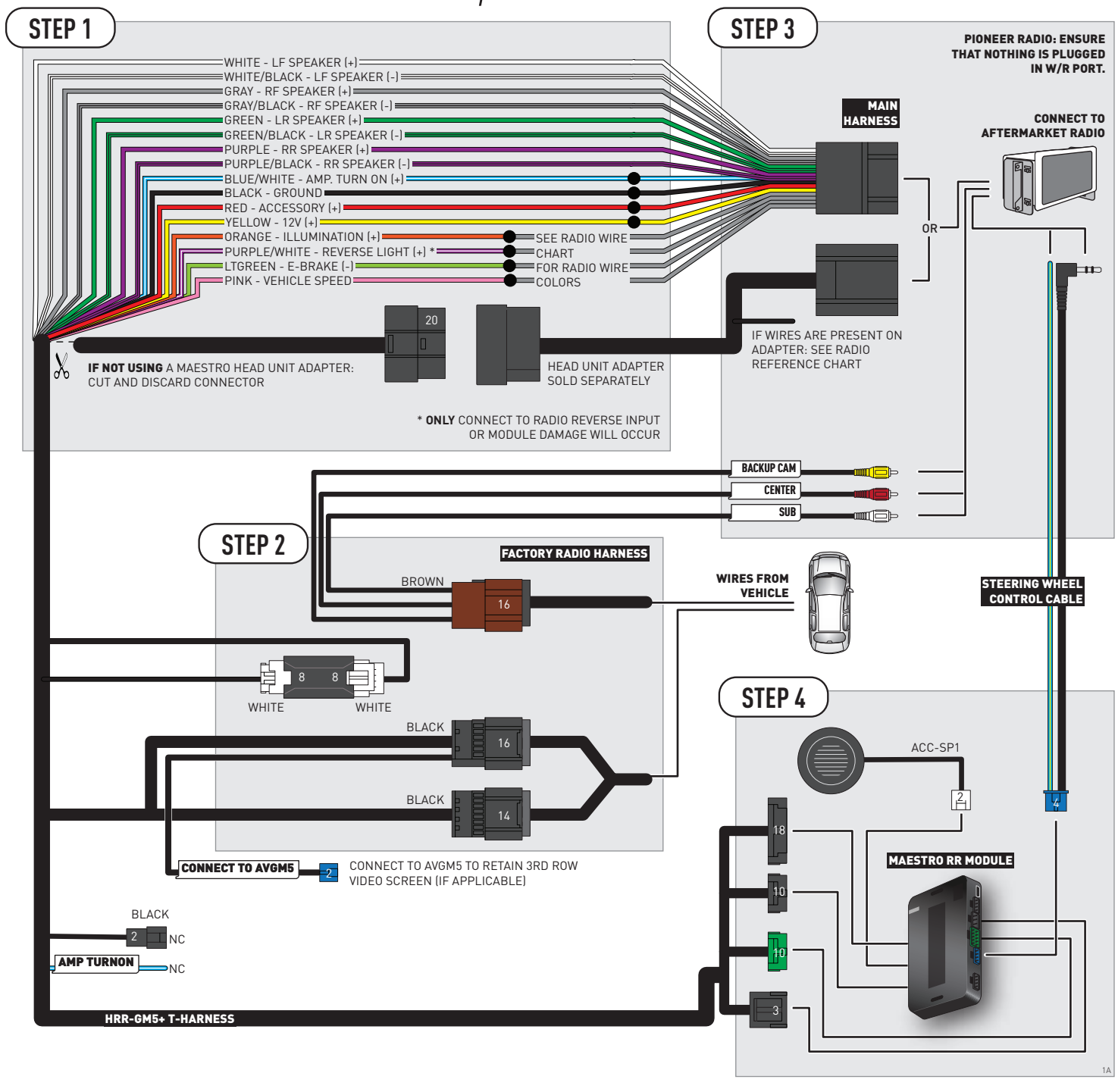
Turn signal level - activate either turn signal.

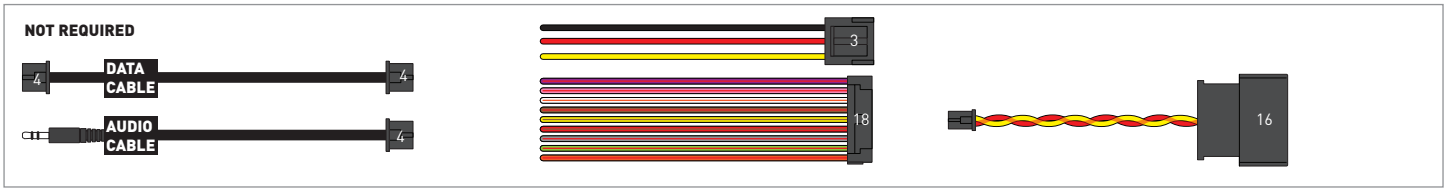
Warning chime level - turn headlight switch to parking light position (not AUTO).

- Adjust volume using steering wheel volume up/down OR dimmer switch. If using dimmer switch, ensure headlight switch is NOT set to AUTO.

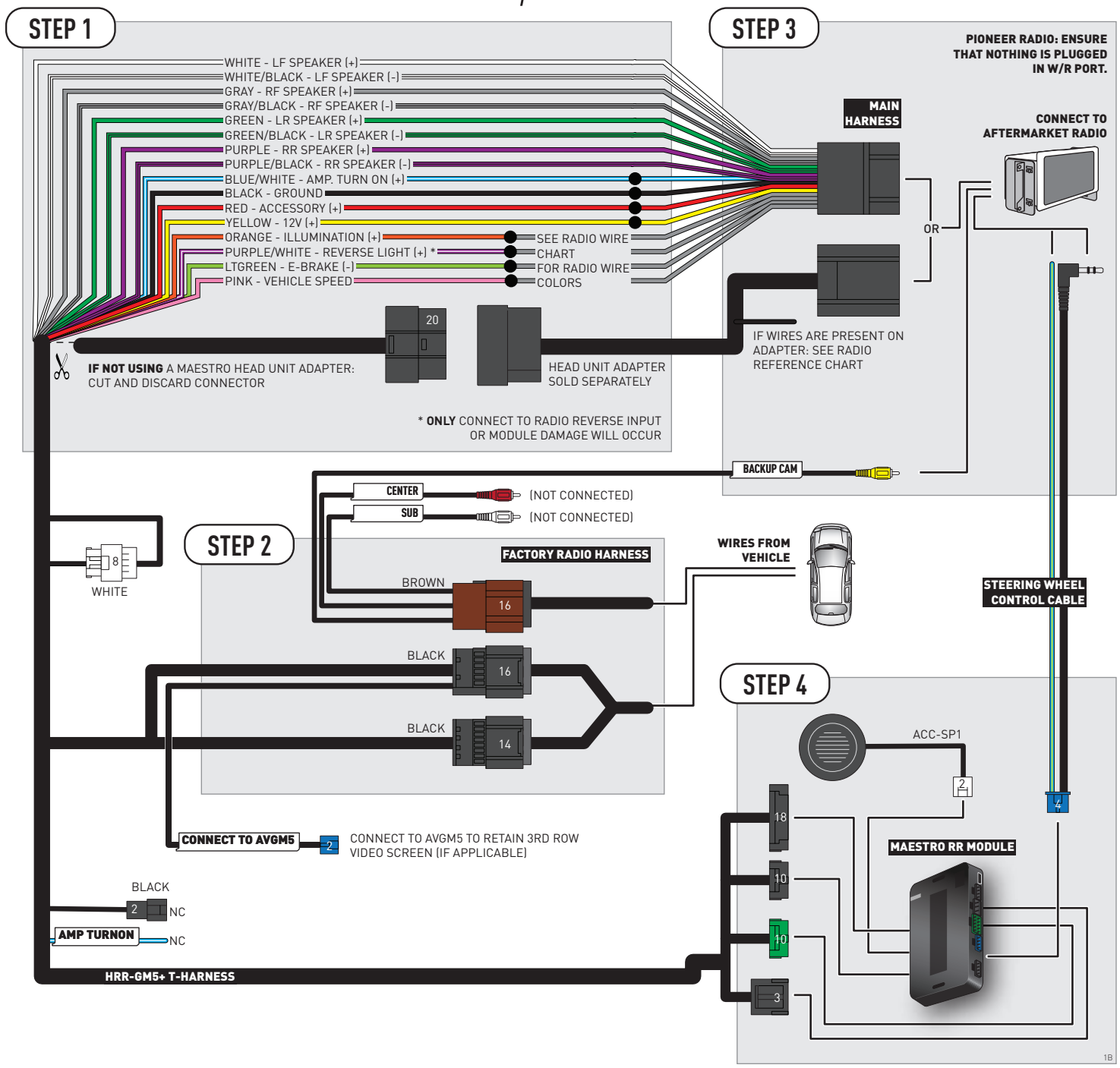
1

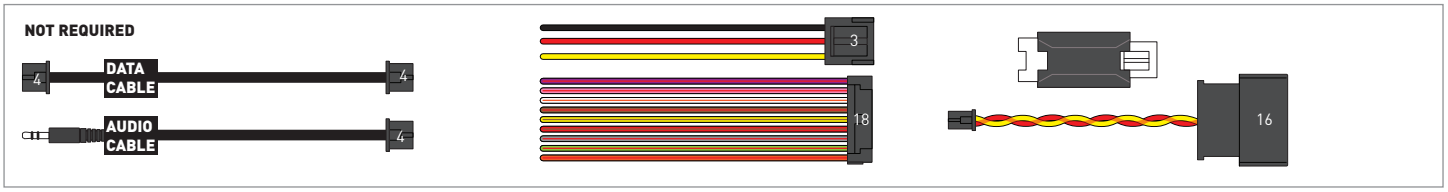
WIRING DIAGRAM *with an Amplifier*





WIRING DIAGRAM *without an Amplifier*





RADIO WIRE REFERENCE CHART

GM5+ (GM2) T-harness Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/ JVC cable	Wire Color on Pioneer cable	Wire Color on Sony cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light*	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A
Power Antenna	(+)	Blue	Blue	Blue	Blue/White	Blue or Blue/White

Head unit adapter wiring (optional accessory, sold separately)

ACC-HU-ALP1 Wire Description	Polarity	Wire Color on Adapter	Alpine Radio
VSS (vehicle speed sensor)	(DATA)	Green/White	Green/White

ACC-HU-KEN1 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
CAM	(+)	Green/Red	Refer to camera/radio manual
CAM	(-)	Green/White	Refer to camera/radio manual
Steering Wheel Controls	(DATA)	Blue/Yellow	Connect if no iDatalink 4-pin port on radio

ACC-HU-KEN2 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
E-Brake	(-)	LtGreen	LtGreen
Reverse Light*	(+)	Purple/White	Purple/White
Steering Wheel Controls	(DATA)	Blue/Yellow	Connect if no iDatalink 4-pin port on radio

* Reverse light wire: Only connect to radio or module damage will occur.

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 (RR2) Bluetooth activity	LED STATUS	DIAGNOSTIC
● or ●		RED or GREEN flashing	LED flashes 1 or more times, either red or green, **when a steering wheel button is pressed** : normal operation.
●		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do NOT use DEMO MODE.
●		1 GREEN flash	After radio boots up : Normal operation.
	●	3 GREEN flashes	Bluetooth is activated. Turns off after one minute: Normal operation.
●	●	OFF	Normal operation (inactive).

VIDEO HELP		Installation, product information, vehicle specific videos.
VERIFY FLASH		Last flash information, steering control configuration, vehicle information.
WEBLINK		Software to program module.

TROUBLESHOOTING TABLE P1 /2

PROBLEM	SOLUTION
Steering wheel controls do not work but LED on the Maestro does blink when steering wheel buttons are pressed.	Ensure the blue 4-pin steering wheel control cable is connected between the Maestro and the radio. The radio will use either the 3.5mm jack OR the blue/yellow wire, not both. Connect the 3.5mm jack from the Maestro blue 4-pin cable to the radio's 3.5mm port (labeled steering, remote, or wheel). If no such port exists, wire the blue/yellow to blue/yellow (Kenwood/JVC) or to the radio's Key 1 wire (brands not listed/other) and secure the 3.5mm jack. It will not be used. Verify the buttons are set up in the flash. If any button is set to "none" for "press once", it will do nothing. "Hold" column can be left as none and the "press once" function will operate with one press and when holding the button. Refer to radio's owner's manual to verify if the radio has this function: • JVC/Kenwood : Steering Wheel Control (ON/OFF): choose ON • Nakamichi : if model is listed, ensure PAC mode is on. If "other", learn the buttons in the radio steering wheel menu. • Sony : Steering Wheel Control (Custom/Preset): choose Preset. If phone buttons do not operate properly, flash the module as Pioneer – 2009 and newer with BT. Then select "custom" instead of "preset" and learn the buttons in the radio menu. • Other brands – radio should have a steering wheel menu to learn the buttons. You may have to select type A/B/C/1/2/3 and try learning again if buttons are not saving. Refer to radio manufacturer's tech support for further advice if not learning properly.
Radio does not turn on.	Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.
No sound from OnStar and/or no warning or turn signal chimes.	Plug the chime speaker in. Only turn signal chimes not working - verify "Turn Signal Reminder" is set to "Click in speaker" when programming the Maestro module. Chimes not working, but OnStar is - If vehicle was factory amplified and is now bypassed, ensure "Factory Amplifier" is turned off on the "Select how to configure your system" page when programming the Maestro module.
No sound from the Bose system (If equipped).	Make sure the amplifier turn on wire (Blue/White) of the T-Harness is connected to the radio's amplifier turn on wire. When flashing the Maestro make sure that the Amplifier in OEM Systems to Retain is selected. Make sure the RCA's are connected to the radio or the speaker wires are connected depending on your installation method.
Audio is very quiet or very loud.	Non amplified vehicles: ensure the AMP adapter is NOT plugged in between the white 8 pin plugs. Amplified vehicles: ensure the AMP adapter IS plugged in between the white 8 pin plugs.
(Vehicle using a GM2 harness only) Backup camera is not working and displays a black screen on radio when in reverse.	Ensure the 2-pin yellow plug is connected as shown on the diagram.
The light on the Maestro is flashing **RED ONCE**.	There is no firmware on the module; flash the RR module. DO NOT use demo mode.

TROUBLESHOOTING TABLE P2 /2

MAESTRO RR RESET PROCEDURE:

Turn the key to the OFF position, then disconnect all connectors from the module.
Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).
Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds to show the reset was successful.

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

IMPORTANT: To ensure proper operation, the aftermarket radio needs to have the latest firmware from the manufacturer. Please visit the radio manufacturer's website and look for any updates pertaining to your radio.

INSTALL GUIDE

2012-2014
CHEVROLET SILVERADO 2500 & 3500
WITHOUT NAV

RETAINS STEERING WHEEL CONTROLS, ONSTAR, BLUETOOTH AND MORE!



PRODUITS REQUIS
Interface de remplacement d'autoradio: iDatalink Maestro RR ou RR2
Câblage : iDatalink Maestro HRR-GM5+

PROGRAMMED FIRMWARE
ADS-RR(SR)-GM05-AS

ADDITIONAL RESOURCES
Maestro RR2 Programmable Outputs Guide

OPTIONAL ACCESSORIES

ACC-SP1

HEAD UNIT ADAPTER:
ACC-HU-PIO1, SON1, KEN1, KEN2, ALP1

NOTICE: Automotive Data Solutions Inc. (ADS) recommends having this installation performed by a certified technician. Logos and trademarks used here in are the properties of their respective owners.

WELCOME

Congratulations on the purchase of your iDatalink Maestro RR Radio replacement solution. You are now a few simple steps away from enjoying your new car radio with enhanced features.

Before starting your installation, please ensure that your iDatalink Maestro module is programmed with the correct firmware for your vehicle and that you carefully review the install guide.

Please note that Maestro RR will only retain functionalities that were originally available in the vehicle.

TABLE OF CONTENTS

Before Installing	3
Installation Instructions	4
Wiring Diagram with an Amplifier	5
Wiring Diagram without an Amplifier	6
Radio Wire Reference Chart	7
Module Diagnostics	8
Troubleshooting Table	9

NEED HELP?

1 866 427-2999

maestro.support@idatalink.com

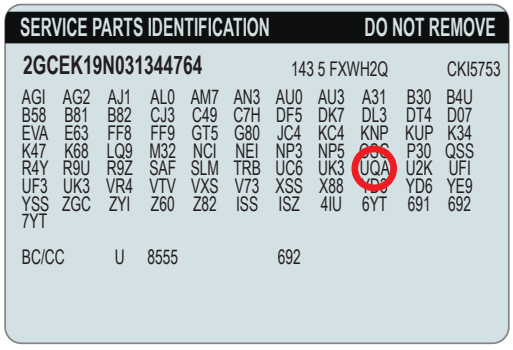
BEFORE INSTALLING P1 /1

STEP 1

DETERMINE IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

METHOD 1: Look for the following logos in the vehicle. They are usually on the speaker covers or on the radio unit. If you find any of the following logos Bose, Pioneer or Monsoon, you have a factory amplifier.

METHOD 2: Look for the following sticker in the glove box. This sticker will indicate all the Regular Production Option (RPO) codes. If you find any of the following codes UQA, UQS or UQG, you have a factory amplifier.



STEP 2

IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **with an amplifier** and read the "**AMPLIFIER ONLY**" note to determine if you should use rca's or level matching circuits.

IF YOUR VEHICLE NOT IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **without an amplifier**.

Automotive Data Solutions Inc. © 2023

INSTALLATION INSTRUCTIONS P1/1

STEP 1

Remove the factory radio

If using head unit adapter (sold separately), connect HRR-GM5+ harness to adapter and skip to step 2.

- Unbox the aftermarket radio and locate its main harness.
- Cut and remove the black 20 pin connector from the HRR-GM5+ T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the HRR-GM5+ T-harness and match the wire functions.

  Note: only connect purple/white wire to radio reverse input or module damage will occur.

STEP 2

- Connect the factory harness to the HRR-GM5+ T-harness.
- Without AMP: Ensure that the WHITE 8 pin plugs are connected.
- With AMP: Connect the HRR-GM5+ 8 pin WHITE connectors to the AMP adapter.

STEP 3

- Plug the harnesses into the aftermarket radio.
- Connect the backup camera RCA cable into the aftermarket radio.
- With AMP: Connect the Center and SUB RCA cables.
- Plug the steering wheel control cable into the aftermarket radio.

STEP 4

- Connect the ACC-SP1 speaker to Maestro module.
- Connect all the harnesses to the Maestro RR module then test your installation.

OnStar, turn signal volume, or warning chime adjust:

- Turn ignition (IGN) on
- Open driver's door

Select to adjust:

OnStar level - Press OnStar button.

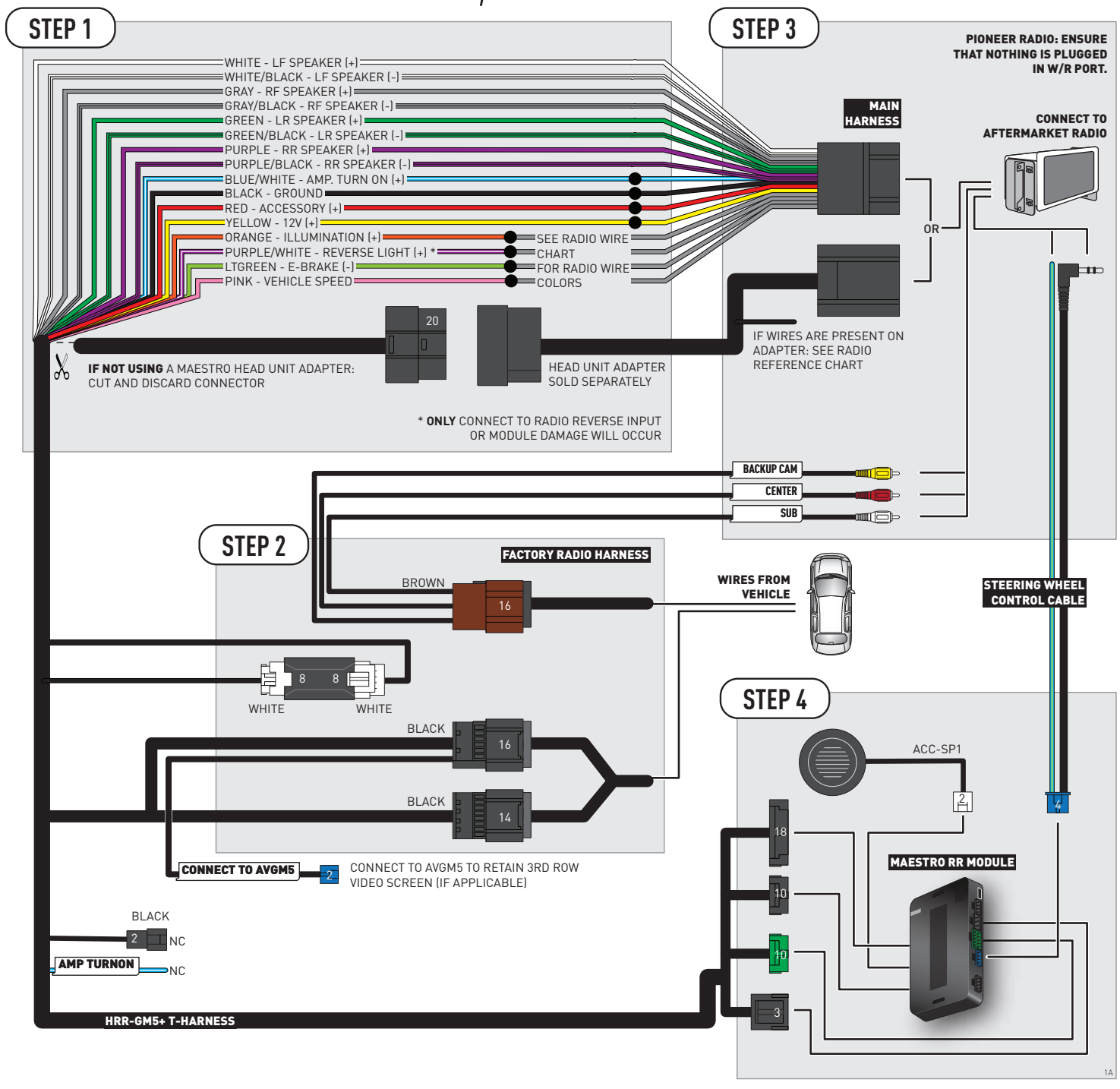
Turn signal level - activate either turn signal.

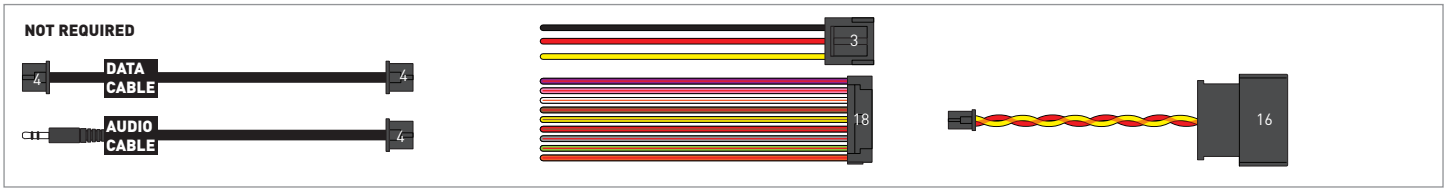
Warning chime level - turn headlight switch to parking light position (not AUTO).

- Adjust volume using steering wheel volume up/down OR dimmer switch. If using dimmer switch, ensure headlight switch is NOT set to AUTO.

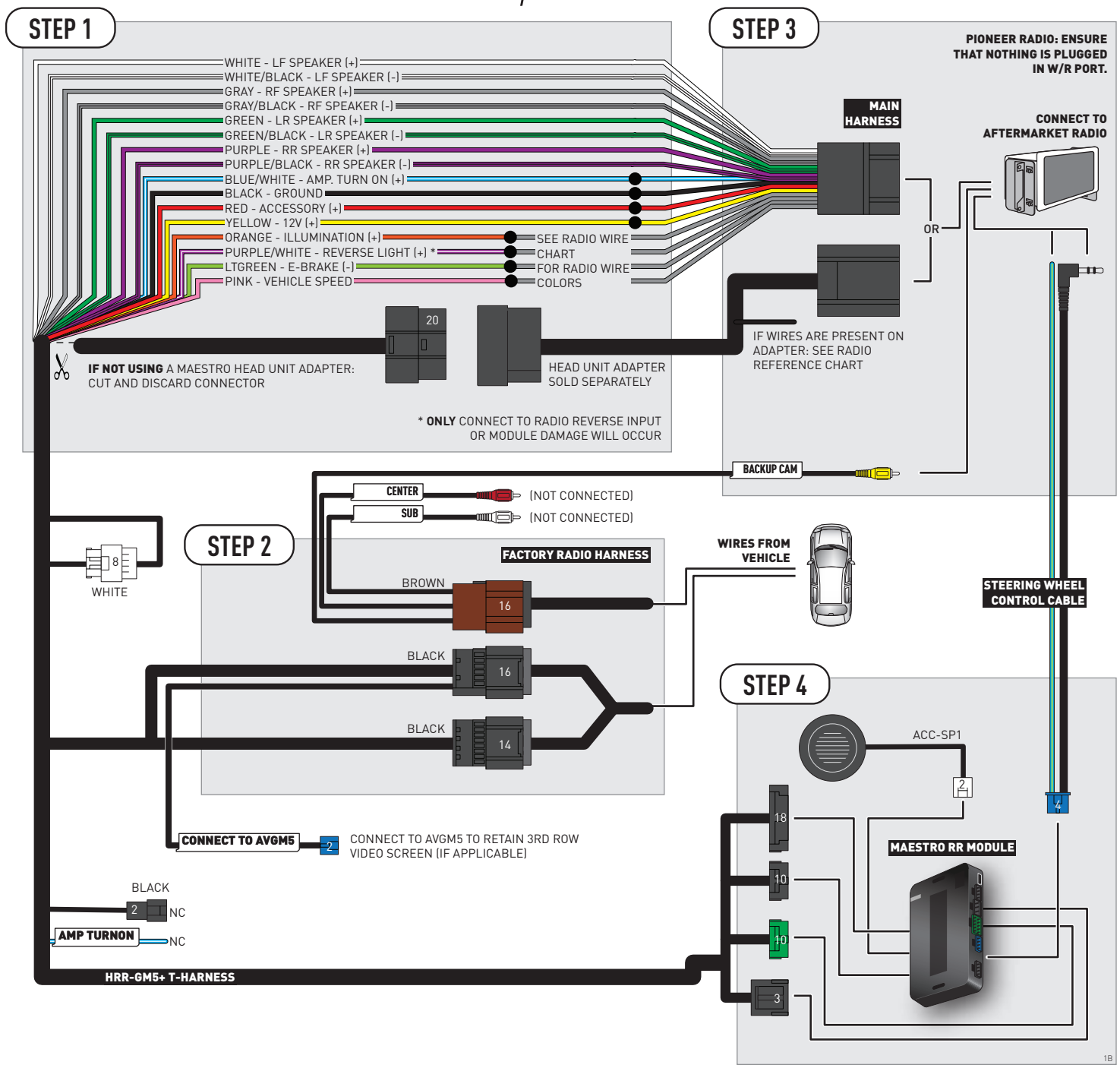
1

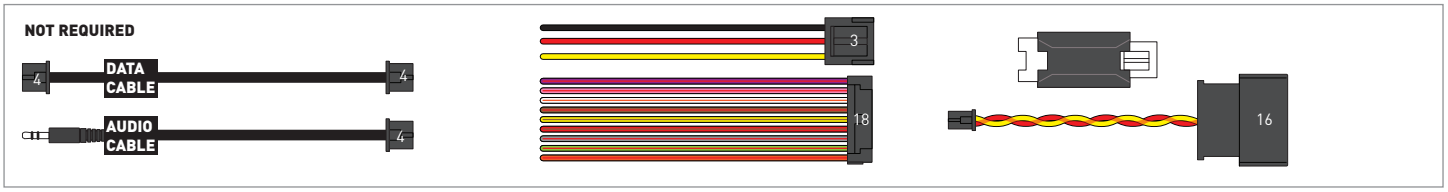
WIRING DIAGRAM *with an Amplifier*





WIRING DIAGRAM *without an Amplifier*





RADIO WIRE REFERENCE CHART

GM5+ (GM2) T-harness Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/ JVC cable	Wire Color on Pioneer cable	Wire Color on Sony cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light*	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A
Power Antenna	(+)	Blue	Blue	Blue	Blue/White	Blue or Blue/White

Head unit adapter wiring (optional accessory, sold separately)

ACC-HU-ALP1 Wire Description	Polarity	Wire Color on Adapter	Alpine Radio
VSS (vehicle speed sensor)	(DATA)	Green/White	Green/White

ACC-HU-KEN1 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
CAM	(+)	Green/Red	Refer to camera/radio manual
CAM	(-)	Green/White	Refer to camera/radio manual
Steering Wheel Controls	(DATA)	Blue/Yellow	Connect if no iDatalink 4-pin port on radio

ACC-HU-KEN2 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
E-Brake	(-)	LtGreen	LtGreen
Reverse Light*	(+)	Purple/White	Purple/White
Steering Wheel Controls	(DATA)	Blue/Yellow	Connect if no iDatalink 4-pin port on radio

* Reverse light wire: Only connect to radio or module damage will occur.

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 (RR2) Bluetooth activity	LED STATUS	DIAGNOSTIC
● or ●		RED or GREEN flashing	LED flashes 1 or more times, either red or green, **when a steering wheel button is pressed** : normal operation.
●		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do NOT use DEMO MODE.
●		1 GREEN flash	After radio boots up : Normal operation.
	●	3 GREEN flashes	Bluetooth is activated. Turns off after one minute: Normal operation.
●	●	OFF	Normal operation (inactive).

VIDEO HELP		Installation, product information, vehicle specific videos.
VERIFY FLASH		Last flash information, steering control configuration, vehicle information.
WEBLINK		Software to program module.

TROUBLESHOOTING TABLE P1 /2

PROBLEM	SOLUTION
Steering wheel controls do not work but LED on the Maestro does blink when steering wheel buttons are pressed.	Ensure the blue 4-pin steering wheel control cable is connected between the Maestro and the radio. The radio will use either the 3.5mm jack OR the blue/yellow wire, not both. Connect the 3.5mm jack from the Maestro blue 4-pin cable to the radio's 3.5mm port (labeled steering, remote, or wheel). If no such port exists, wire the blue/yellow to blue/yellow (Kenwood/JVC) or to the radio's Key 1 wire (brands not listed/other) and secure the 3.5mm jack. It will not be used. Verify the buttons are set up in the flash. If any button is set to "none" for "press once", it will do nothing. "Hold" column can be left as none and the "press once" function will operate with one press and when holding the button. Refer to radio's owner's manual to verify if the radio has this function: • JVC/Kenwood : Steering Wheel Control (ON/OFF): choose ON • Nakamichi : if model is listed, ensure PAC mode is on. If "other", learn the buttons in the radio steering wheel menu. • Sony : Steering Wheel Control (Custom/Preset): choose Preset. If phone buttons do not operate properly, flash the module as Pioneer – 2009 and newer with BT. Then select "custom" instead of "preset" and learn the buttons in the radio menu. • Other brands – radio should have a steering wheel menu to learn the buttons. You may have to select type A/B/C/1/2/3 and try learning again if buttons are not saving. Refer to radio manufacturer's tech support for further advice if not learning properly.
Radio does not turn on.	Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.
No sound from OnStar and/or no warning or turn signal chimes.	Plug the chime speaker in. Only turn signal chimes not working - verify "Turn Signal Reminder" is set to "Click in speaker" when programming the Maestro module. Chimes not working, but OnStar is - If vehicle was factory amplified and is now bypassed, ensure "Factory Amplifier" is turned off on the "Select how to configure your system" page when programming the Maestro module.
No sound from the Bose system (If equipped).	Make sure the amplifier turn on wire (Blue/White) of the T-Harness is connected to the radio's amplifier turn on wire. When flashing the Maestro make sure that the Amplifier in OEM Systems to Retain is selected. Make sure the RCA's are connected to the radio or the speaker wires are connected depending on your installation method.
Audio is very quiet or very loud.	Non amplified vehicles: ensure the AMP adapter is NOT plugged in between the white 8 pin plugs. Amplified vehicles: ensure the AMP adapter IS plugged in between the white 8 pin plugs.
(Vehicle using a GM2 harness only) Backup camera is not working and displays a black screen on radio when in reverse.	Ensure the 2-pin yellow plug is connected as shown on the diagram.
The light on the Maestro is flashing **RED ONCE**.	There is no firmware on the module; flash the RR module. DO NOT use demo mode.

TROUBLESHOOTING TABLE P2 /2

MAESTRO RR RESET PROCEDURE:

Turn the key to the OFF position, then disconnect all connectors from the module.
Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).
Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds to show the reset was successful.

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

IMPORTANT: To ensure proper operation, the aftermarket radio needs to have the latest firmware from the manufacturer. Please visit the radio manufacturer's website and look for any updates pertaining to your radio.

INSTALL GUIDE

2012-2014
CHEVROLET SILVERADO 2500
WITH NAV

RETAINS STEERING WHEEL CONTROLS, ONSTAR, BLUETOOTH AND MORE!



PRODUITS REQUIS
Interface de remplacement d'autoradio: iDatalink Maestro RR ou RR2
Câblage : iDatalink Maestro HRR-GM2

PROGRAMMED FIRMWARE
ADS-RR(SR)-GM05-AS

ADDITIONAL RESOURCES
Maestro RR2 Programmable Outputs Guide

OPTIONAL ACCESSORIES

ACC-SP1

HEAD UNIT ADAPTER:
ACC-HU-PIO1, SON1, KEN1, KEN2, ALP1

NOTICE: Automotive Data Solutions Inc. (ADS) recommends having this installation performed by a certified technician. Logos and trademarks used here in are the properties of their respective owners.

WELCOME

Congratulations on the purchase of your iDatalink Maestro RR Radio replacement solution. You are now a few simple steps away from enjoying your new car radio with enhanced features.

Before starting your installation, please ensure that your iDatalink Maestro module is programmed with the correct firmware for your vehicle and that you carefully review the install guide.

Please note that Maestro RR will only retain functionalities that were originally available in the vehicle.

TABLE OF CONTENTS

Before Installing	3
Installation Instructions	4
Wiring Diagram with an Amplifier	5
Wiring Diagram without an Amplifier	6
Radio Wire Reference Chart	7
Module Diagnostics	8
Troubleshooting Table	9

NEED HELP?

1 866 427-2999

maestro.support@idatalink.com

BEFORE INSTALLING P1 /1

STEP 1

DETERMINE IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

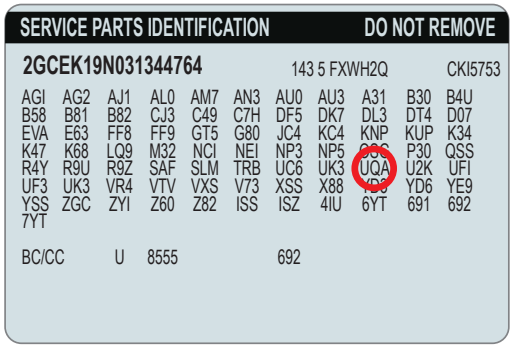
METHOD 1: Look for the following logos in the vehicle. They are usually on the speaker covers or on the radio unit. If you find any of the following logos Bose, Pioneer or Monsoon, you have a factory amplifier.

BOSE

Pioneer

MONSOON

METHOD 2: Look for the following sticker in the glove box. This sticker will indicate all the Regular Production Option (RPO) codes. If you find any of the following codes UQA, UQS or UQG, you have a factory amplifier.



STEP 2

IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **with an amplifier** and read the "**AMPLIFIER ONLY**" note to determine if you should use rca's or level matching circuits.

IF YOUR VEHICLE NOT IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **without an amplifier**.

Automotive Data Solutions Inc. © 2023

INSTALLATION INSTRUCTIONS P1/1

STEP 1

Remove the factory radio

If using head unit adapter (sold separately), connect HRR-GM2 harness to adapter and skip to step 2.

- Unbox the aftermarket radio and locate its main harness.
- Cut and remove the black 20 pin connector from the HRR-GM2 T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the HRR-GM2 T-harness and match the wire functions.

  Note: only connect purple/white wire to radio reverse input or module damage will occur.

STEP 2

- Connect the YELLOW 2 pin connector of the backup camera cable to the YELLOW connector (CAM 1) of the backup camera adapter. Connect GRAY connector of adapter to the vehicle backup camera harness.

STEP 3

- Connect the factory harness to the HRR-GM2 T-harness.
- Ensure that the RED 2 pin plugs are connected.
- Without AMP: Ensure that the WHITE 8 pin plugs are connected.
- With AMP: Connect the HRR-GM2 8 pin WHITE connectors to the AMP adapter.

STEP 4

- Plug the harnesses into the aftermarket radio.
- Connect the backup camera RCA cable into the aftermarket radio.
- Plug the steering wheel control cable into the aftermarket radio.

STEP 5

- Connect the ACC-SP1 speaker to Maestro module.
- Connect all the harnesses to the Maestro RR module then test your installation.

OnStar, turn signal volume, or warning chime adjust:

- Turn ignition (IGN) on
- Open driver's door

Select to adjust:

OnStar level - Press OnStar button.

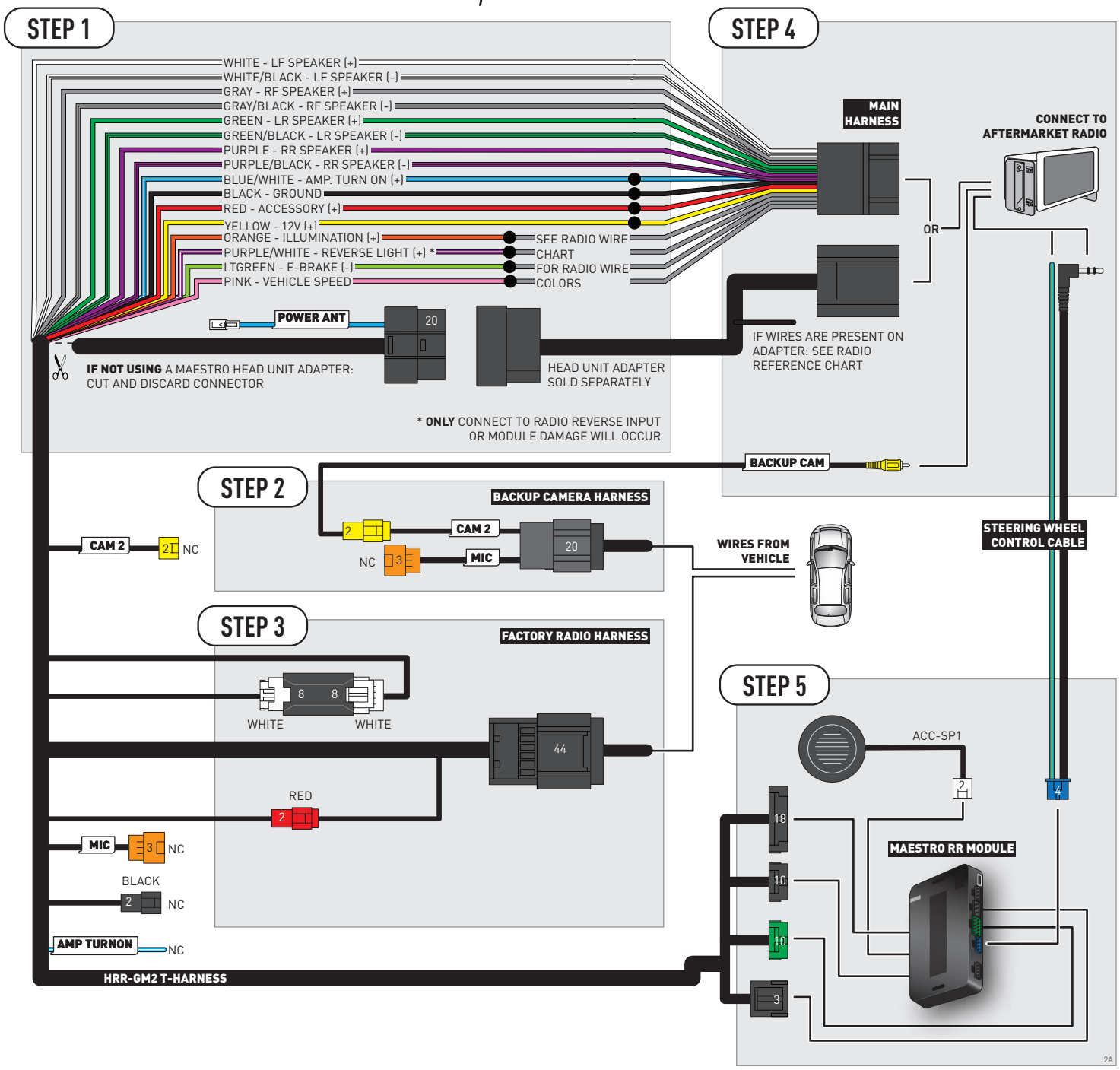
Turn signal level - activate either turn signal.

Warning chime level - turn headlight switch to parking light position (not AUTO).

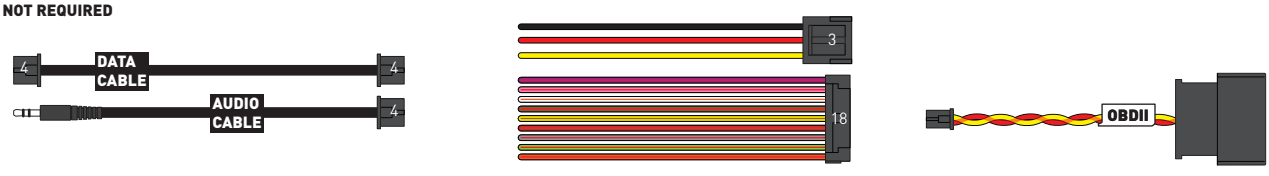
- Adjust volume using steering wheel volume up/down OR dimmer switch. If using dimmer switch, ensure headlight switch is NOT set to AUTO.

Automotive Data Solutions Inc. © 2023

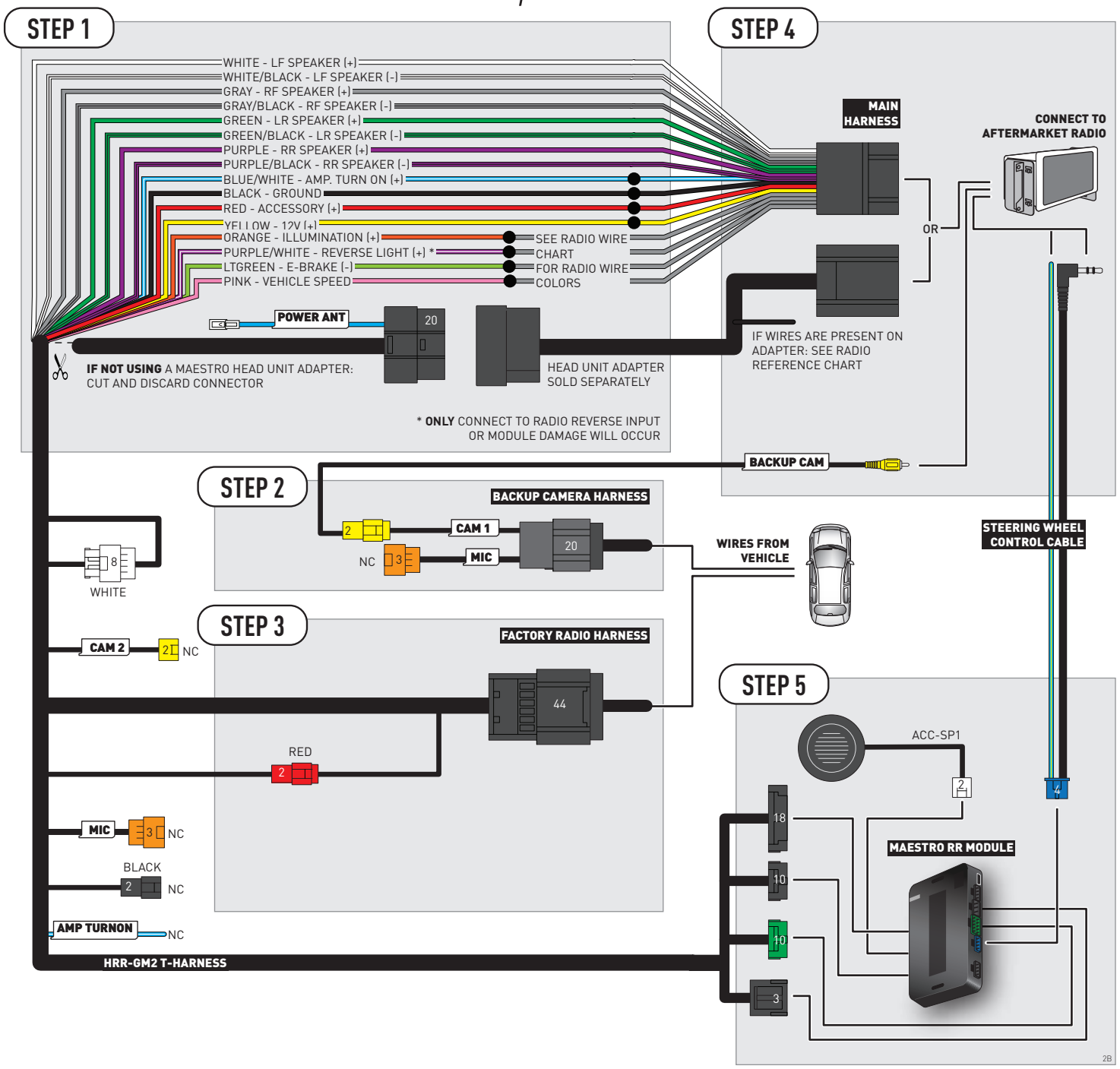
WIRING DIAGRAM *with an Amplifier*

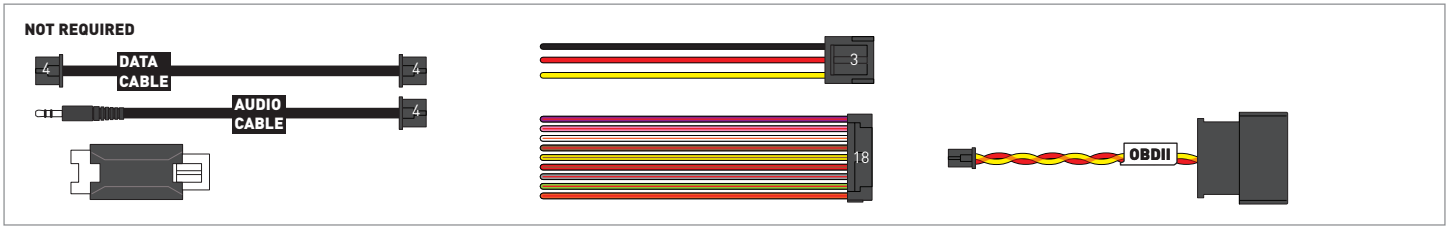


NOT REQUIRED



WIRING DIAGRAM *without an Amplifier*





RADIO WIRE REFERENCE CHART

GM5+ (GM2) T-harness Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/ JVC cable	Wire Color on Pioneer cable	Wire Color on Sony cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light*	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A
Power Antenna	(+)	Blue	Blue	Blue	Blue/White	Blue or Blue/White

Head unit adapter wiring (optional accessory, sold separately)

ACC-HU-ALP1 Wire Description	Polarity	Wire Color on Adapter	Alpine Radio
VSS (vehicle speed sensor)	(DATA)	Green/White	Green/White

ACC-HU-KEN1 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
CAM	(+)	Green/Red	Refer to camera/radio manual
CAM	(-)	Green/White	Refer to camera/radio manual
Steering Wheel Controls	(DATA)	Blue/Yellow	Connect if no iDatalink 4-pin port on radio

ACC-HU-KEN2 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
E-Brake	(-)	LtGreen	LtGreen
Reverse Light*	(+)	Purple/White	Purple/White
Steering Wheel Controls	(DATA)	Blue/Yellow	Connect if no iDatalink 4-pin port on radio

* Reverse light wire: Only connect to radio or module damage will occur.

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 (RR2) Bluetooth activity	LED STATUS	DIAGNOSTIC
● or ●		RED or GREEN flashing	LED flashes 1 or more times, either red or green, **when a steering wheel button is pressed** : normal operation.
●		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do NOT use DEMO MODE.
●		1 GREEN flash	After radio boots up : Normal operation.
	●	3 GREEN flashes	Bluetooth is activated. Turns off after one minute: Normal operation.
●	●	OFF	Normal operation (inactive).

VIDEO HELP		Installation, product information, vehicle specific videos.
VERIFY FLASH		Last flash information, steering control configuration, vehicle information.
WEBLINK		Software to program module.

TROUBLESHOOTING TABLE P1 /2

PROBLEM	SOLUTION
Steering wheel controls do not work but LED on the Maestro does blink when steering wheel buttons are pressed.	Ensure the blue 4-pin steering wheel control cable is connected between the Maestro and the radio. The radio will use either the 3.5mm jack OR the blue/yellow wire, not both. Connect the 3.5mm jack from the Maestro blue 4-pin cable to the radio's 3.5mm port (labeled steering, remote, or wheel). If no such port exists, wire the blue/yellow to blue/yellow (Kenwood/JVC) or to the radio's Key 1 wire (brands not listed/other) and secure the 3.5mm jack. It will not be used. Verify the buttons are set up in the flash. If any button is set to "none" for "press once", it will do nothing. "Hold" column can be left as none and the "press once" function will operate with one press and when holding the button. Refer to radio's owner's manual to verify if the radio has this function: • JVC/Kenwood : Steering Wheel Control (ON/OFF): choose ON • Nakamichi : if model is listed, ensure PAC mode is on. If "other", learn the buttons in the radio steering wheel menu. • Sony : Steering Wheel Control (Custom/Preset): choose Preset. If phone buttons do not operate properly, flash the module as Pioneer – 2009 and newer with BT. Then select "custom" instead of "preset" and learn the buttons in the radio menu. • Other brands – radio should have a steering wheel menu to learn the buttons. You may have to select type A/B/C/1/2/3 and try learning again if buttons are not saving. Refer to radio manufacturer's tech support for further advice if not learning properly.
Radio does not turn on.	Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.
No sound from OnStar and/or no warning or turn signal chimes.	Plug the chime speaker in. Only turn signal chimes not working - verify "Turn Signal Reminder" is set to "Click in speaker" when programming the Maestro module. Chimes not working, but OnStar is - If vehicle was factory amplified and is now bypassed, ensure "Factory Amplifier" is turned off on the "Select how to configure your system" page when programming the Maestro module.
No sound from the Bose system (If equipped).	Make sure the amplifier turn on wire (Blue/White) of the T-Harness is connected to the radio's amplifier turn on wire. When flashing the Maestro make sure that the Amplifier in OEM Systems to Retain is selected. Make sure the RCA's are connected to the radio or the speaker wires are connected depending on your installation method.
Audio is very quiet or very loud.	Non amplified vehicles: ensure the AMP adapter is NOT plugged in between the white 8 pin plugs. Amplified vehicles: ensure the AMP adapter IS plugged in between the white 8 pin plugs.
(Vehicle using a GM2 harness only) Backup camera is not working and displays a black screen on radio when in reverse.	Ensure the 2-pin yellow plug is connected as shown on the diagram.
The light on the Maestro is flashing **RED ONCE**.	There is no firmware on the module; flash the RR module. DO NOT use demo mode.

TROUBLESHOOTING TABLE P2 /2

MAESTRO RR RESET PROCEDURE:

Turn the key to the OFF position, then disconnect all connectors from the module.
Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).
Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds to show the reset was successful.

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

IMPORTANT: To ensure proper operation, the aftermarket radio needs to have the latest firmware from the manufacturer. Please visit the radio manufacturer's website and look for any updates pertaining to your radio.

INSTALL GUIDE

2007-2011
CHEVROLET SUBURBAN

RETAINS STEERING WHEEL CONTROLS, ONSTAR, BLUETOOTH AND MORE!



PRODUITS REQUIS
Interface de remplacement d'autoradio: iDatalink Maestro RR ou RR2
Câblage : iDatalink Maestro HRR-GM5+

PROGRAMMED FIRMWARE
ADS-RR(SR)-GM05-AS

ADDITIONAL RESOURCES
Maestro RR2 Programmable Outputs Guide

OPTIONAL ACCESSORIES

ACC-SP1

HEAD UNIT ADAPTER:
ACC-HU-PIO1, SON1, KEN1, KEN2, ALP1

NOTICE: Automotive Data Solutions Inc. (ADS) recommends having this installation performed by a certified technician. Logos and trademarks used here in are the properties of their respective owners.

WELCOME

Congratulations on the purchase of your iDatalink Maestro RR Radio replacement solution. You are now a few simple steps away from enjoying your new car radio with enhanced features.

Before starting your installation, please ensure that your iDatalink Maestro module is programmed with the correct firmware for your vehicle and that you carefully review the install guide.

Please note that Maestro RR will only retain functionalities that were originally available in the vehicle.

TABLE OF CONTENTS

Before Installing	3
Installation Instructions	4
Wiring Diagram with an Amplifier	5
Wiring Diagram without an Amplifier	6
Radio Wire Reference Chart	7
Module Diagnostics	8
Troubleshooting Table	9

NEED HELP?

1 866 427-2999

maestro.support@idatalink.com

BEFORE INSTALLING P1 /1

STEP 1

DETERMINE IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

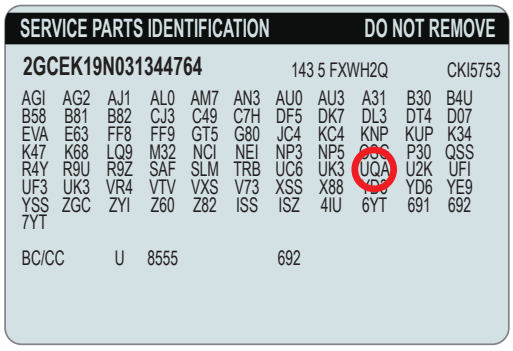
METHOD 1: Look for the following logos in the vehicle. They are usually on the speaker covers or on the radio unit. If you find any of the following logos Bose, Pioneer or Monsoon, you have a factory amplifier.

BOSE

Pioneer

MONSOON

METHOD 2: Look for the following sticker in the glove box. This sticker will indicate all the Regular Production Option (RPO) codes. If you find any of the following codes UQA, UQS or UQG, you have a factory amplifier.



STEP 2

IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **with an amplifier** and read the "**AMPLIFIER ONLY**" note to determine if you should use rca's or level matching circuits.

IF YOUR VEHICLE NOT IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **without an amplifier**.

Automotive Data Solutions Inc. © 2023

INSTALLATION INSTRUCTIONS P1/1

STEP 1

Remove the factory radio

If using head unit adapter (sold separately), connect HRR-GM5+ harness to adapter and skip to step 2.

- Unbox the aftermarket radio and locate its main harness.
- Cut and remove the black 20 pin connector from the HRR-GM5+ T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the HRR-GM5+ T-harness and match the wire functions.

  Note: only connect purple/white wire to radio reverse input or module damage will occur.

STEP 2

- Connect the factory harness to the HRR-GM5+ T-harness.
- Without AMP: Ensure that the WHITE 8 pin plugs are connected.
- With AMP: Connect the HRR-GM5+ 8 pin WHITE connectors to the AMP adapter.

STEP 3

- Plug the harnesses into the aftermarket radio.
- Connect the backup camera RCA cable into the aftermarket radio.
- With AMP: Connect the Center and SUB RCA cables.
- Plug the steering wheel control cable into the aftermarket radio.

STEP 4

- Connect the ACC-SP1 speaker to Maestro module.
- Connect all the harnesses to the Maestro RR module then test your installation.

OnStar, turn signal volume, or warning chime adjust:

- Turn ignition (IGN) on
- Open driver's door

Select to adjust:

OnStar level - Press OnStar button.

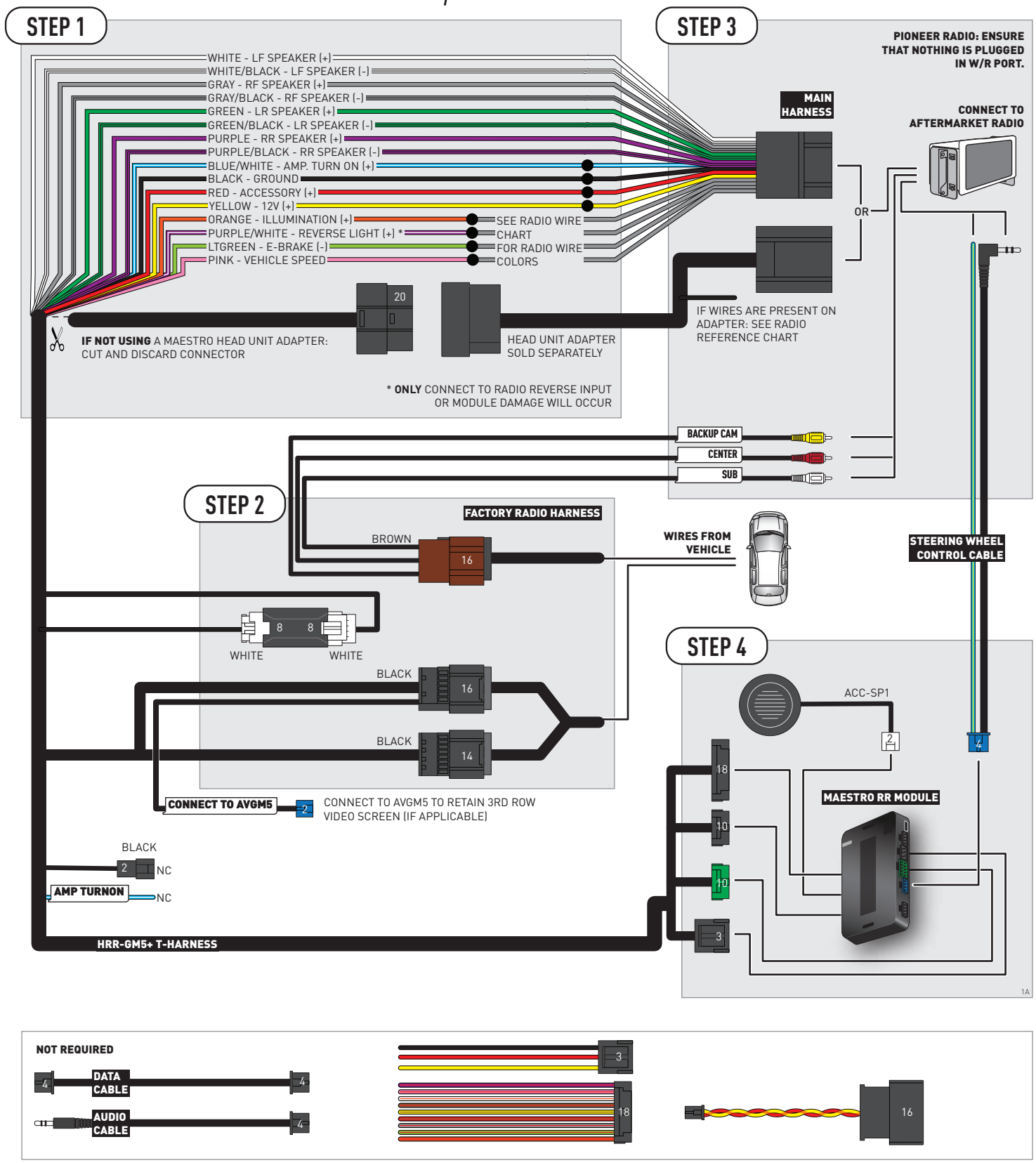
Turn signal level - activate either turn signal.

Warning chime level - turn headlight switch to parking light position (not AUTO).

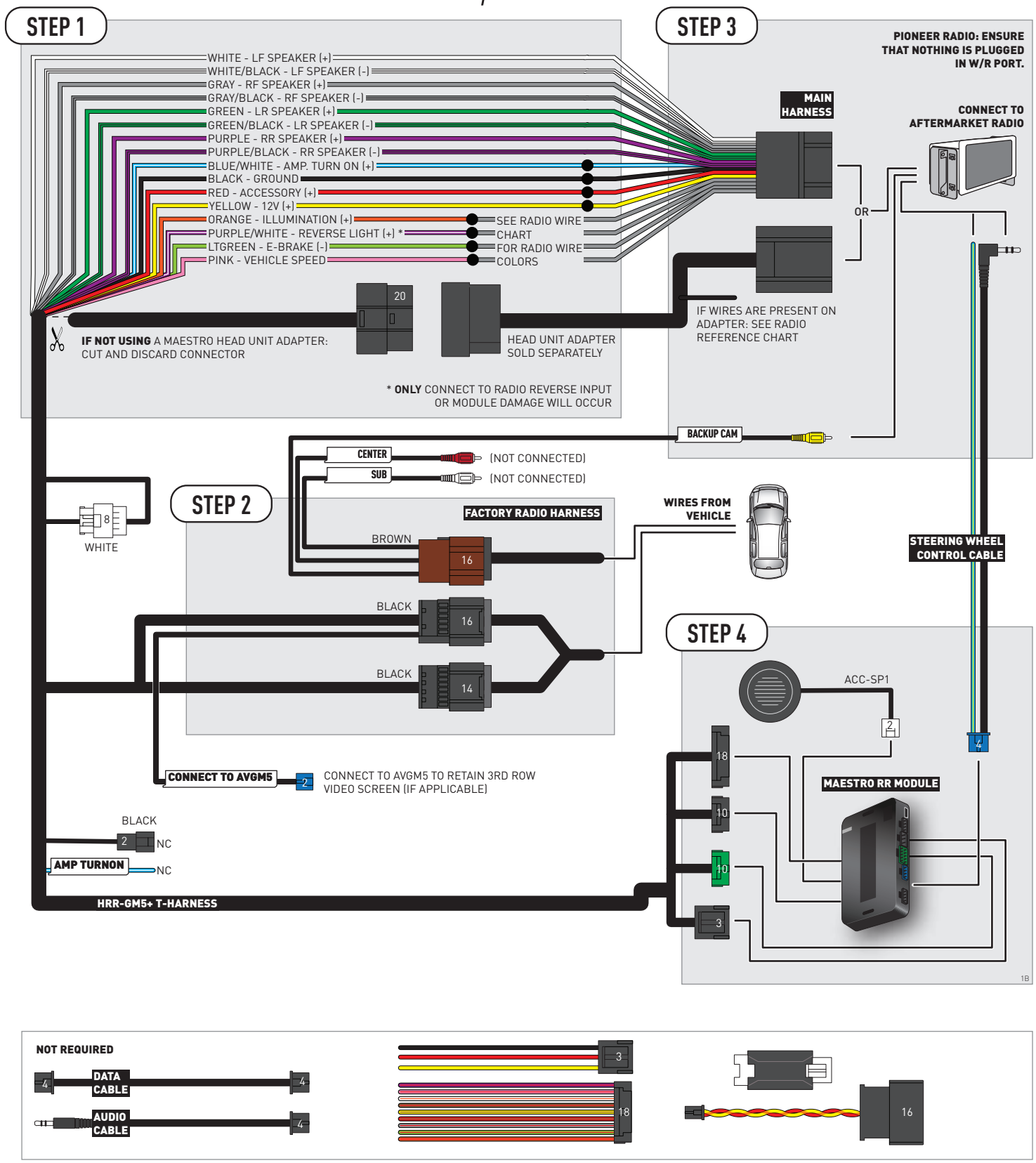
- Adjust volume using steering wheel volume up/down OR dimmer switch. If using dimmer switch, ensure headlight switch is NOT set to AUTO.

1

WIRING DIAGRAM *with an Amplifier*



WIRING DIAGRAM *without an Amplifier*



RADIO WIRE REFERENCE CHART

GM5+ (GM2) T-harness Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/ JVC cable	Wire Color on Pioneer cable	Wire Color on Sony cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light*	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A
Power Antenna	(+)	Blue	Blue	Blue	Blue/White	Blue or Blue/White

Head unit adapter wiring (optional accessory, sold separately)

ACC-HU-ALP1 Wire Description	Polarity	Wire Color on Adapter	Alpine Radio
VSS (vehicle speed sensor)	(DATA)	Green/White	Green/White

ACC-HU-KEN1 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
CAM	(+)	Green/Red	Refer to camera/radio manual
CAM	(-)	Green/White	Refer to camera/radio manual
Steering Wheel Controls	(DATA)	Blue/Yellow	Connect if no iDatalink 4-pin port on radio

ACC-HU-KEN2 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
E-Brake	(-)	LtGreen	LtGreen
Reverse Light*	(+)	Purple/White	Purple/White
Steering Wheel Controls	(DATA)	Blue/Yellow	Connect if no iDatalink 4-pin port on radio

* Reverse light wire: Only connect to radio or module damage will occur.

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 (RR2) Bluetooth activity	LED STATUS	DIAGNOSTIC
● or ●		RED or GREEN flashing	LED flashes 1 or more times, either red or green, **when a steering wheel button is pressed** : normal operation.
●		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do NOT use DEMO MODE.
●		1 GREEN flash	After radio boots up : Normal operation.
	●	3 GREEN flashes	Bluetooth is activated. Turns off after one minute: Normal operation.
●	●	OFF	Normal operation (inactive).

VIDEO HELP		Installation, product information, vehicle specific videos.
VERIFY FLASH		Last flash information, steering control configuration, vehicle information.
WEBLINK		Software to program module.

TROUBLESHOOTING TABLE P1 /2

PROBLEM	SOLUTION
Steering wheel controls do not work but LED on the Maestro does blink when steering wheel buttons are pressed.	Ensure the blue 4-pin steering wheel control cable is connected between the Maestro and the radio. The radio will use either the 3.5mm jack OR the blue/yellow wire, not both. Connect the 3.5mm jack from the Maestro blue 4-pin cable to the radio's 3.5mm port (labeled steering, remote, or wheel). If no such port exists, wire the blue/yellow to blue/yellow (Kenwood/JVC) or to the radio's Key 1 wire (brands not listed/other) and secure the 3.5mm jack. It will not be used. Verify the buttons are set up in the flash. If any button is set to "none" for "press once", it will do nothing. "Hold" column can be left as none and the "press once" function will operate with one press and when holding the button. Refer to radio's owner's manual to verify if the radio has this function: • JVC/Kenwood : Steering Wheel Control (ON/OFF): choose ON • Nakamichi : if model is listed, ensure PAC mode is on. If "other", learn the buttons in the radio steering wheel menu. • Sony : Steering Wheel Control (Custom/Preset): choose Preset. If phone buttons do not operate properly, flash the module as Pioneer – 2009 and newer with BT. Then select "custom" instead of "preset" and learn the buttons in the radio menu. • Other brands – radio should have a steering wheel menu to learn the buttons. You may have to select type A/B/C/1/2/3 and try learning again if buttons are not saving. Refer to radio manufacturer's tech support for further advice if not learning properly.
Radio does not turn on.	Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.
No sound from OnStar and/or no warning or turn signal chimes.	Plug the chime speaker in. Only turn signal chimes not working - verify "Turn Signal Reminder" is set to "Click in speaker" when programming the Maestro module. Chimes not working, but OnStar is - If vehicle was factory amplified and is now bypassed, ensure "Factory Amplifier" is turned off on the "Select how to configure your system" page when programming the Maestro module.
No sound from the Bose system (If equipped).	Make sure the amplifier turn on wire (Blue/White) of the T-Harness is connected to the radio's amplifier turn on wire. When flashing the Maestro make sure that the Amplifier in OEM Systems to Retain is selected. Make sure the RCA's are connected to the radio or the speaker wires are connected depending on your installation method.
Audio is very quiet or very loud.	Non amplified vehicles: ensure the AMP adapter is NOT plugged in between the white 8 pin plugs. Amplified vehicles: ensure the AMP adapter IS plugged in between the white 8 pin plugs.
(Vehicle using a GM2 harness only) Backup camera is not working and displays a black screen on radio when in reverse.	Ensure the 2-pin yellow plug is connected as shown on the diagram.
The light on the Maestro is flashing **RED ONCE**.	There is no firmware on the module; flash the RR module. DO NOT use demo mode.

TROUBLESHOOTING TABLE P2 /2

MAESTRO RR RESET PROCEDURE:

Turn the key to the OFF position, then disconnect all connectors from the module.
Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).
Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds to show the reset was successful.

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

IMPORTANT: To ensure proper operation, the aftermarket radio needs to have the latest firmware from the manufacturer. Please visit the radio manufacturer's website and look for any updates pertaining to your radio.

INSTALL GUIDE

2012-2014
CHEVROLET SUBURBAN
WITH NAV

RETAINS STEERING WHEEL CONTROLS, ONSTAR, BLUETOOTH AND MORE!



PRODUITS REQUIS
Interface de remplacement d'autoradio: iDatalink Maestro RR ou RR2
Câblage : iDatalink Maestro HRR-GM2

PROGRAMMED FIRMWARE
ADS-RR(SR)-GM05-AS

ADDITIONAL RESOURCES
Maestro RR2 Programmable Outputs Guide

OPTIONAL ACCESSORIES

ACC-SP1

HEAD UNIT ADAPTER:
ACC-HU-PIO1, SON1, KEN1, KEN2, ALP1

NOTICE: Automotive Data Solutions Inc. (ADS) recommends having this installation performed by a certified technician. Logos and trademarks used here in are the properties of their respective owners.

WELCOME

Congratulations on the purchase of your iDatalink Maestro RR Radio replacement solution. You are now a few simple steps away from enjoying your new car radio with enhanced features.

Before starting your installation, please ensure that your iDatalink Maestro module is programmed with the correct firmware for your vehicle and that you carefully review the install guide.

Please note that Maestro RR will only retain functionalities that were originally available in the vehicle.

TABLE OF CONTENTS

Before Installing	3
Installation Instructions	4
Wiring Diagram with an Amplifier	5
Wiring Diagram without an Amplifier	6
Radio Wire Reference Chart	7
Module Diagnostics	8
Troubleshooting Table	9

NEED HELP?

1 866 427-2999

maestro.support@idatalink.com

BEFORE INSTALLING P1 /1

STEP 1

DETERMINE IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

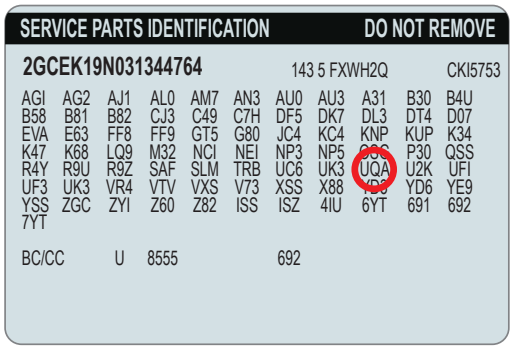
METHOD 1: Look for the following logos in the vehicle. They are usually on the speaker covers or on the radio unit. If you find any of the following logos Bose, Pioneer or Monsoon, you have a factory amplifier.

BOSE

Pioneer

MONSOON

METHOD 2: Look for the following sticker in the glove box. This sticker will indicate all the Regular Production Option (RPO) codes. If you find any of the following codes UQA, UQS or UQG, you have a factory amplifier.



STEP 2

IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **with an amplifier** and read the "**AMPLIFIER ONLY**" note to determine if you should use rca's or level matching circuits.

IF YOUR VEHICLE NOT IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **without an amplifier**.

Automotive Data Solutions Inc. © 2023

INSTALLATION INSTRUCTIONS P1/1

STEP 1

Remove the factory radio

If using head unit adapter (sold separately), connect HRR-GM2 harness to adapter and skip to step 2.

- Unbox the aftermarket radio and locate its main harness.
- Cut and remove the black 20 pin connector from the HRR-GM2 T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the HRR-GM2 T-harness and match the wire functions.

  Note: only connect purple/white wire to radio reverse input or module damage will occur.

STEP 2

- Connect the YELLOW 2 pin connector of the backup camera cable to the YELLOW connector (CAM 1) of the backup camera adapter. Connect GRAY connector of adapter to the vehicle backup camera harness.

STEP 3

- Connect the factory harness to the HRR-GM2 T-harness.
- Ensure that the RED 2 pin plugs are connected.
- Without AMP: Ensure that the WHITE 8 pin plugs are connected.
- With AMP: Connect the HRR-GM2 8 pin WHITE connectors to the AMP adapter.

STEP 4

- Plug the harnesses into the aftermarket radio.
- Connect the backup camera RCA cable into the aftermarket radio.
- Plug the steering wheel control cable into the aftermarket radio.

STEP 5

- Connect the ACC-SP1 speaker to Maestro module.
- Connect all the harnesses to the Maestro RR module then test your installation.

OnStar, turn signal volume, or warning chime adjust:

- Turn ignition (IGN) on
- Open driver's door

Select to adjust:

OnStar level - Press OnStar button.

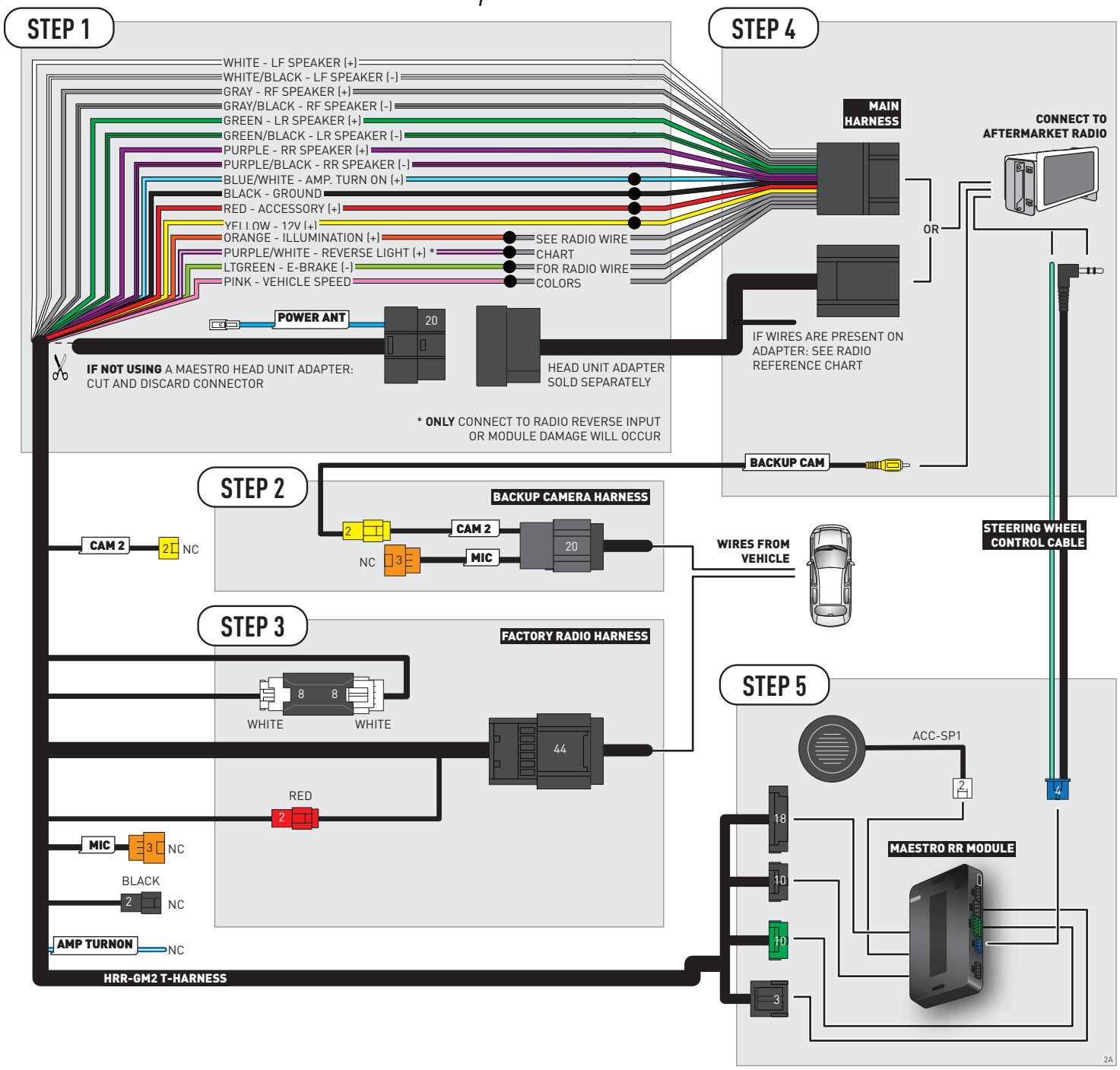
Turn signal level - activate either turn signal.

Warning chime level - turn headlight switch to parking light position (not AUTO).

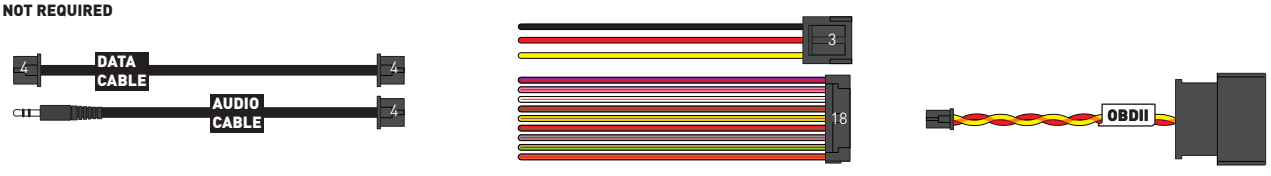
- Adjust volume using steering wheel volume up/down OR dimmer switch. If using dimmer switch, ensure headlight switch is NOT set to AUTO.

Automotive Data Solutions Inc. © 2023

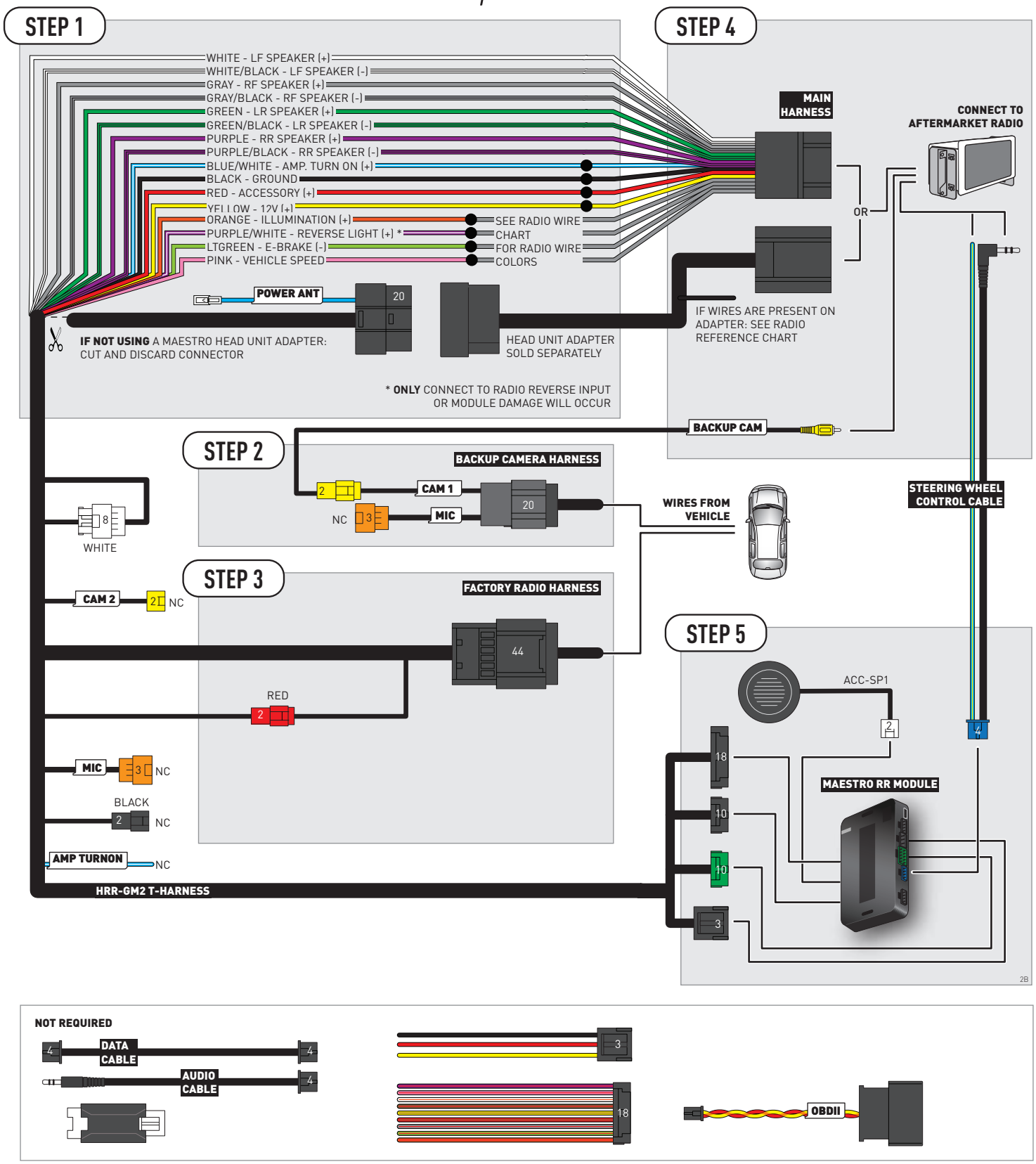
WIRING DIAGRAM *with an Amplifier*



NOT REQUIRED



WIRING DIAGRAM *without an Amplifier*



RADIO WIRE REFERENCE CHART

GM5+ (GM2) T-harness Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/ JVC cable	Wire Color on Pioneer cable	Wire Color on Sony cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light*	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A
Power Antenna	(+)	Blue	Blue	Blue	Blue/White	Blue or Blue/White

Head unit adapter wiring (optional accessory, sold separately)

ACC-HU-ALP1 Wire Description	Polarity	Wire Color on Adapter	Alpine Radio
VSS (vehicle speed sensor)	(DATA)	Green/White	Green/White

ACC-HU-KEN1 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
CAM	(+)	Green/Red	Refer to camera/radio manual
CAM	(-)	Green/White	Refer to camera/radio manual
Steering Wheel Controls	(DATA)	Blue/Yellow	Connect if no iDatalink 4-pin port on radio

ACC-HU-KEN2 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
E-Brake	(-)	LtGreen	LtGreen
Reverse Light*	(+)	Purple/White	Purple/White
Steering Wheel Controls	(DATA)	Blue/Yellow	Connect if no iDatalink 4-pin port on radio

* Reverse light wire: Only connect to radio or module damage will occur.

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 (RR2) Bluetooth activity	LED STATUS	DIAGNOSTIC
● or ●		RED or GREEN flashing	LED flashes 1 or more times, either red or green, **when a steering wheel button is pressed** : normal operation.
●		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do NOT use DEMO MODE.
●		1 GREEN flash	After radio boots up : Normal operation.
	●	3 GREEN flashes	Bluetooth is activated. Turns off after one minute: Normal operation.
●	●	OFF	Normal operation (inactive).

VIDEO HELP		Installation, product information, vehicle specific videos.
VERIFY FLASH		Last flash information, steering control configuration, vehicle information.
WEBLINK		Software to program module.

TROUBLESHOOTING TABLE P1 /2

PROBLEM	SOLUTION
Steering wheel controls do not work but LED on the Maestro does blink when steering wheel buttons are pressed.	Ensure the blue 4-pin steering wheel control cable is connected between the Maestro and the radio. The radio will use either the 3.5mm jack OR the blue/yellow wire, not both. Connect the 3.5mm jack from the Maestro blue 4-pin cable to the radio's 3.5mm port (labeled steering, remote, or wheel). If no such port exists, wire the blue/yellow to blue/yellow (Kenwood/JVC) or to the radio's Key 1 wire (brands not listed/other) and secure the 3.5mm jack. It will not be used. Verify the buttons are set up in the flash. If any button is set to "none" for "press once", it will do nothing. "Hold" column can be left as none and the "press once" function will operate with one press and when holding the button. Refer to radio's owner's manual to verify if the radio has this function: • JVC/Kenwood : Steering Wheel Control (ON/OFF): choose ON • Nakamichi : if model is listed, ensure PAC mode is on. If "other", learn the buttons in the radio steering wheel menu. • Sony : Steering Wheel Control (Custom/Preset): choose Preset. If phone buttons do not operate properly, flash the module as Pioneer – 2009 and newer with BT. Then select "custom" instead of "preset" and learn the buttons in the radio menu. • Other brands – radio should have a steering wheel menu to learn the buttons. You may have to select type A/B/C/1/2/3 and try learning again if buttons are not saving. Refer to radio manufacturer's tech support for further advice if not learning properly.
Radio does not turn on.	Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.
No sound from OnStar and/or no warning or turn signal chimes.	Plug the chime speaker in. Only turn signal chimes not working - verify "Turn Signal Reminder" is set to "Click in speaker" when programming the Maestro module. Chimes not working, but OnStar is - If vehicle was factory amplified and is now bypassed, ensure "Factory Amplifier" is turned off on the "Select how to configure your system" page when programming the Maestro module.
No sound from the Bose system (If equipped).	Make sure the amplifier turn on wire (Blue/White) of the T-Harness is connected to the radio's amplifier turn on wire. When flashing the Maestro make sure that the Amplifier in OEM Systems to Retain is selected. Make sure the RCA's are connected to the radio or the speaker wires are connected depending on your installation method.
Audio is very quiet or very loud.	Non amplified vehicles: ensure the AMP adapter is NOT plugged in between the white 8 pin plugs. Amplified vehicles: ensure the AMP adapter IS plugged in between the white 8 pin plugs.
(Vehicle using a GM2 harness only) Backup camera is not working and displays a black screen on radio when in reverse.	Ensure the 2-pin yellow plug is connected as shown on the diagram.
The light on the Maestro is flashing **RED ONCE**.	There is no firmware on the module; flash the RR module. DO NOT use demo mode.

TROUBLESHOOTING TABLE P2 /2

MAESTRO RR RESET PROCEDURE:

Turn the key to the OFF position, then disconnect all connectors from the module.
Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).
Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds to show the reset was successful.

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

IMPORTANT: To ensure proper operation, the aftermarket radio needs to have the latest firmware from the manufacturer. Please visit the radio manufacturer's website and look for any updates pertaining to your radio.

INSTALL GUIDE

2012-2014
CHEVROLET SUBURBAN
WITHOUT NAV

RETAINS STEERING WHEEL CONTROLS, ONSTAR, BLUETOOTH AND MORE!



PRODUITS REQUIS
Interface de remplacement d'autoradio: iDatalink Maestro RR ou RR2
Câblage : iDatalink Maestro HRR-GM5+

PROGRAMMED FIRMWARE
ADS-RR(SR)-GM05-AS

ADDITIONAL RESOURCES
Maestro RR2 Programmable Outputs Guide

OPTIONAL ACCESSORIES

ACC-SP1

HEAD UNIT ADAPTER:
ACC-HU-PIO1, SON1, KEN1, KEN2, ALP1

NOTICE: Automotive Data Solutions Inc. (ADS) recommends having this installation performed by a certified technician. Logos and trademarks used here in are the properties of their respective owners.

WELCOME

Congratulations on the purchase of your iDatalink Maestro RR Radio replacement solution. You are now a few simple steps away from enjoying your new car radio with enhanced features.

Before starting your installation, please ensure that your iDatalink Maestro module is programmed with the correct firmware for your vehicle and that you carefully review the install guide.

Please note that Maestro RR will only retain functionalities that were originally available in the vehicle.

TABLE OF CONTENTS

Before Installing	3
Installation Instructions	4
Wiring Diagram with an Amplifier	5
Wiring Diagram without an Amplifier	6
Radio Wire Reference Chart	7
Module Diagnostics	8
Troubleshooting Table	9

NEED HELP?

1 866 427-2999

maestro.support@idatalink.com

BEFORE INSTALLING P1 /1

STEP 1

DETERMINE IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

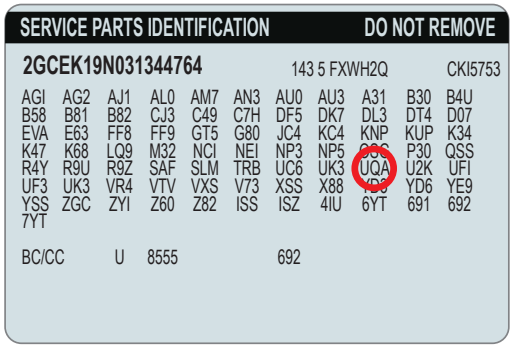
METHOD 1: Look for the following logos in the vehicle. They are usually on the speaker covers or on the radio unit. If you find any of the following logos Bose, Pioneer or Monsoon, you have a factory amplifier.

BOSE

Pioneer

MONSOON

METHOD 2: Look for the following sticker in the glove box. This sticker will indicate all the Regular Production Option (RPO) codes. If you find any of the following codes UQA, UQS or UQG, you have a factory amplifier.


SERVICE PARTS IDENTIFICATION DO NOT REMOVE

2GCEK19N031344764 143 5 FXWH2Q CKI5753

AGI	AG2	AJ1	AL0	AM7	AN3	AU0	AU3	A31	B30	B4U
B58	B81	B82	CJ3	C49	C7H	DF5	DK7	DL3	DT4	D07
EVA	E63	FF8	FF9	GT5	G80	JC4	KC4	KNP	KUP	K34
K47	K68	LQ9	M32	NCI	NEI	NP3	NP5	QQS	P30	QSS
R4Y	R9U	R9Z	SAF	SLM	TRB	UC6	UK3	UQA	U2K	UFI
UF3	UK3	VR4	VTV	VXS	V73	XSS	X88	YD5	YD6	YE9
YSS	ZGC	ZYI	Z60	Z82	ISS	ISZ	4IU	6YT	691	692
7YT										

BC/CC U 8555 692

STEP 2

IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **with an amplifier** and read the "**AMPLIFIER ONLY**" note to determine if you should use rca's or level matching circuits.

IF YOUR VEHICLE NOT IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **without an amplifier**.

Automotive Data Solutions Inc. © 2023

INSTALLATION INSTRUCTIONS P1/1

STEP 1

Remove the factory radio

If using head unit adapter (sold separately), connect HRR-GM5+ harness to adapter and skip to step 2.

- Unbox the aftermarket radio and locate its main harness.
- Cut and remove the black 20 pin connector from the HRR-GM5+ T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the HRR-GM5+ T-harness and match the wire functions.

  Note: only connect purple/white wire to radio reverse input or module damage will occur.

STEP 2

- Connect the factory harness to the HRR-GM5+ T-harness.
- Without AMP: Ensure that the WHITE 8 pin plugs are connected.
- With AMP: Connect the HRR-GM5+ 8 pin WHITE connectors to the AMP adapter.

STEP 3

- Plug the harnesses into the aftermarket radio.
- Connect the backup camera RCA cable into the aftermarket radio.
- With AMP: Connect the Center and SUB RCA cables.
- Plug the steering wheel control cable into the aftermarket radio.

STEP 4

- Connect the ACC-SP1 speaker to Maestro module.
- Connect all the harnesses to the Maestro RR module then test your installation.

OnStar, turn signal volume, or warning chime adjust:

- Turn ignition (IGN) on
- Open driver's door

Select to adjust:

OnStar level - Press OnStar button.

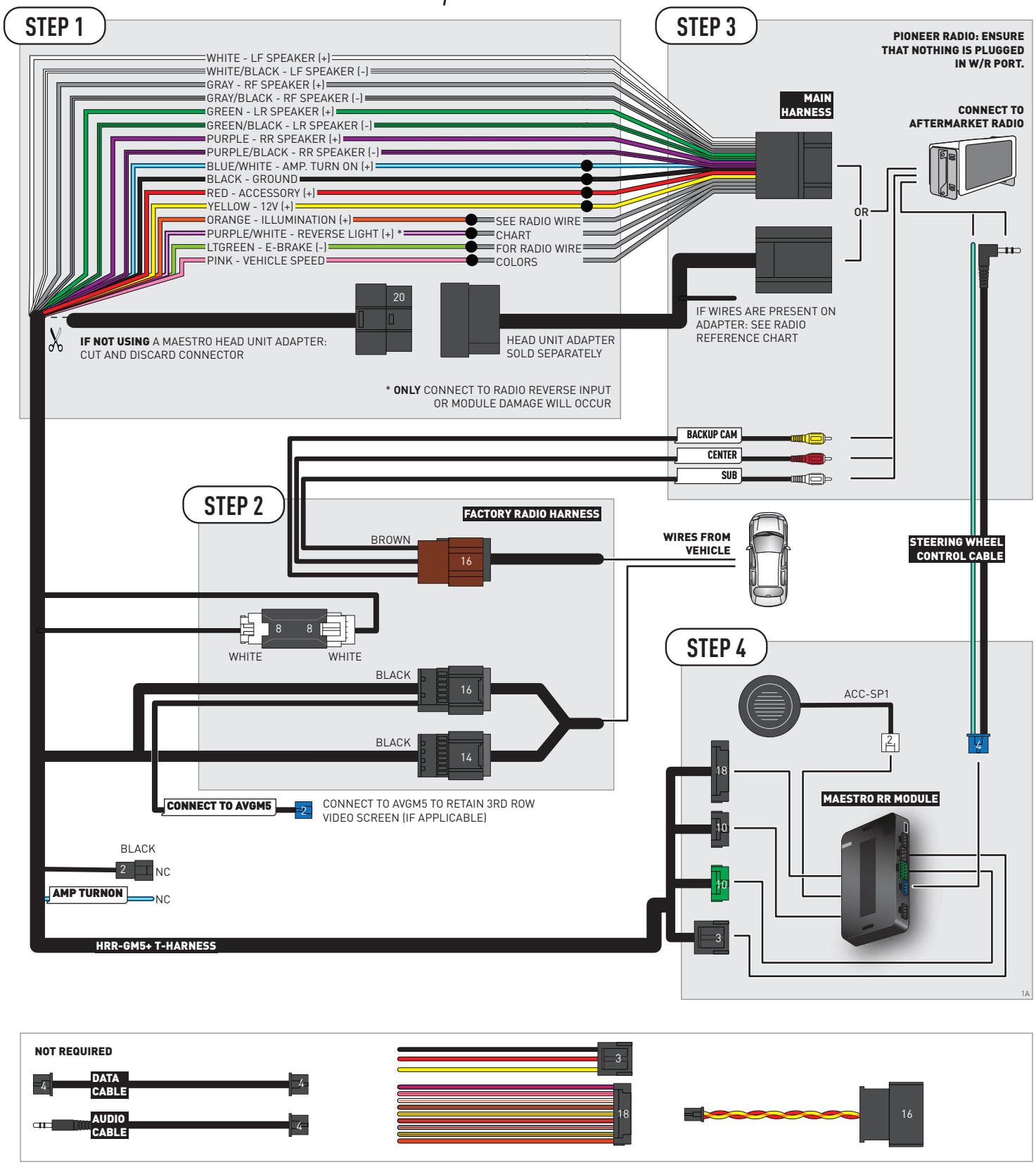
Turn signal level - activate either turn signal.

Warning chime level - turn headlight switch to parking light position (not AUTO).

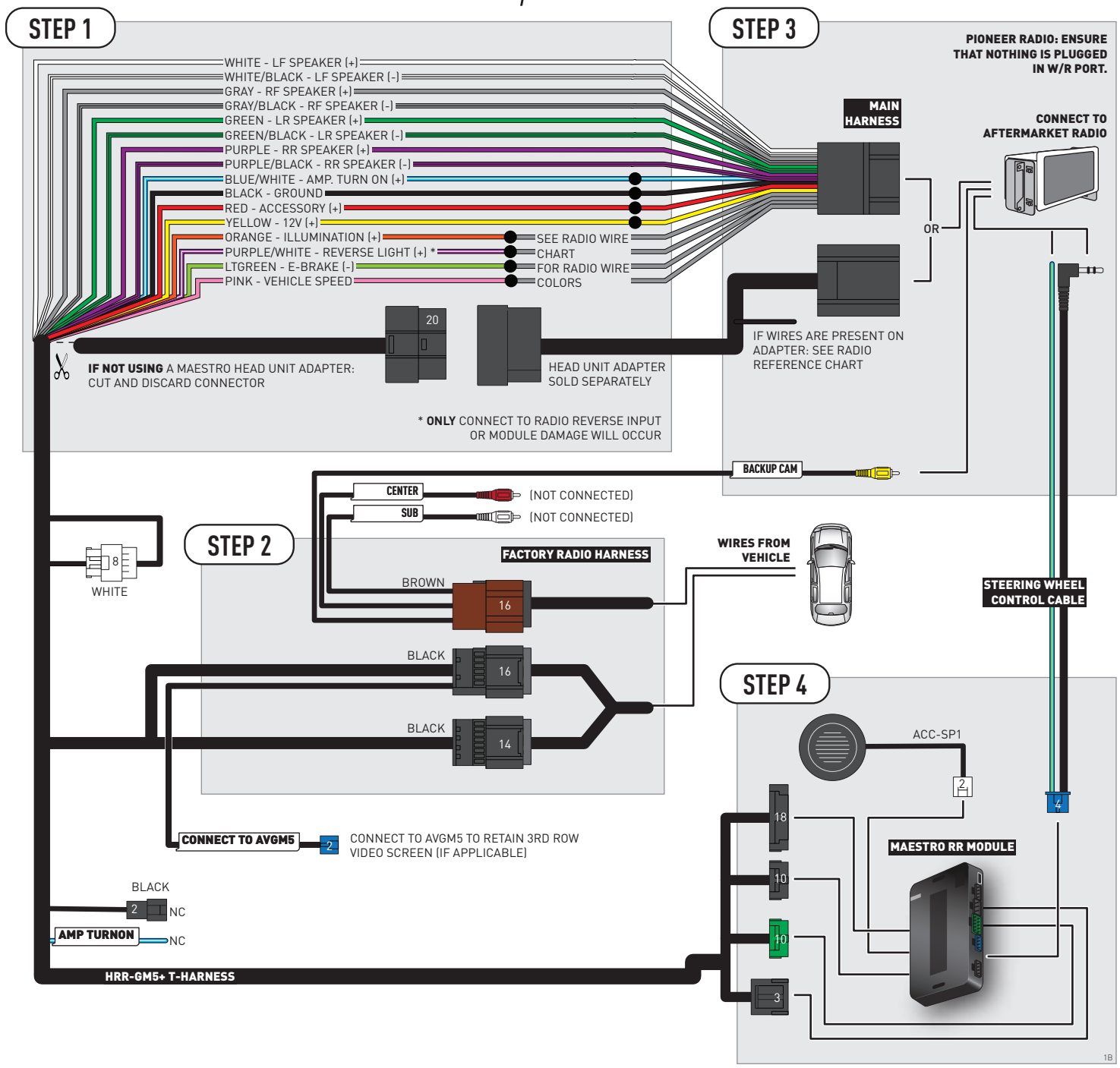
- Adjust volume using steering wheel volume up/down OR dimmer switch. If using dimmer switch, ensure headlight switch is NOT set to AUTO.

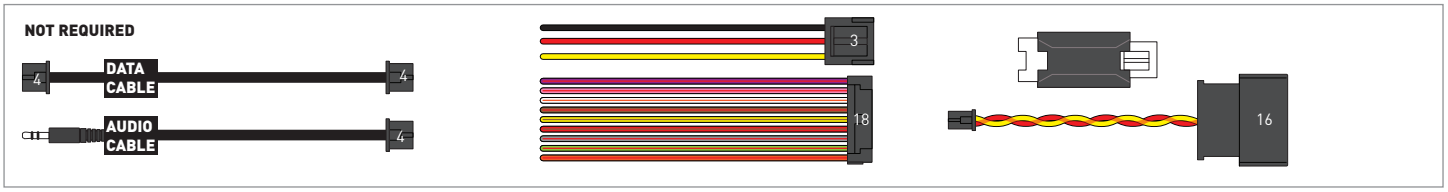
1

WIRING DIAGRAM *with an Amplifier*



WIRING DIAGRAM *without an Amplifier*





RADIO WIRE REFERENCE CHART

GM5+ (GM2) T-harness Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/ JVC cable	Wire Color on Pioneer cable	Wire Color on Sony cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light*	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A
Power Antenna	(+)	Blue	Blue	Blue	Blue/White	Blue or Blue/White

Head unit adapter wiring (optional accessory, sold separately)

ACC-HU-ALP1 Wire Description	Polarity	Wire Color on Adapter	Alpine Radio
VSS (vehicle speed sensor)	(DATA)	Green/White	Green/White

ACC-HU-KEN1 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
CAM	(+)	Green/Red	Refer to camera/radio manual
CAM	(-)	Green/White	Refer to camera/radio manual
Steering Wheel Controls	(DATA)	Blue/Yellow	Connect if no iDatalink 4-pin port on radio

ACC-HU-KEN2 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
E-Brake	(-)	LtGreen	LtGreen
Reverse Light*	(+)	Purple/White	Purple/White
Steering Wheel Controls	(DATA)	Blue/Yellow	Connect if no iDatalink 4-pin port on radio

* Reverse light wire: Only connect to radio or module damage will occur.

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 (RR2) Bluetooth activity	LED STATUS	DIAGNOSTIC
● or ●		RED or GREEN flashing	LED flashes 1 or more times, either red or green, **when a steering wheel button is pressed** : normal operation.
●		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do NOT use DEMO MODE.
●		1 GREEN flash	After radio boots up : Normal operation.
	●	3 GREEN flashes	Bluetooth is activated. Turns off after one minute: Normal operation.
●	●	OFF	Normal operation (inactive).

VIDEO HELP		Installation, product information, vehicle specific videos.
VERIFY FLASH		Last flash information, steering control configuration, vehicle information.
WEBLINK		Software to program module.

TROUBLESHOOTING TABLE P1 /2

PROBLEM	SOLUTION
Steering wheel controls do not work but LED on the Maestro does blink when steering wheel buttons are pressed.	Ensure the blue 4-pin steering wheel control cable is connected between the Maestro and the radio. The radio will use either the 3.5mm jack OR the blue/yellow wire, not both. Connect the 3.5mm jack from the Maestro blue 4-pin cable to the radio's 3.5mm port (labeled steering, remote, or wheel). If no such port exists, wire the blue/yellow to blue/yellow (Kenwood/JVC) or to the radio's Key 1 wire (brands not listed/other) and secure the 3.5mm jack. It will not be used. Verify the buttons are set up in the flash. If any button is set to "none" for "press once", it will do nothing. "Hold" column can be left as none and the "press once" function will operate with one press and when holding the button. Refer to radio's owner's manual to verify if the radio has this function: • JVC/Kenwood : Steering Wheel Control (ON/OFF): choose ON • Nakamichi : if model is listed, ensure PAC mode is on. If "other", learn the buttons in the radio steering wheel menu. • Sony : Steering Wheel Control (Custom/Preset): choose Preset. If phone buttons do not operate properly, flash the module as Pioneer – 2009 and newer with BT. Then select "custom" instead of "preset" and learn the buttons in the radio menu. • Other brands – radio should have a steering wheel menu to learn the buttons. You may have to select type A/B/C/1/2/3 and try learning again if buttons are not saving. Refer to radio manufacturer's tech support for further advice if not learning properly.
Radio does not turn on.	Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.
No sound from OnStar and/or no warning or turn signal chimes.	Plug the chime speaker in. Only turn signal chimes not working - verify "Turn Signal Reminder" is set to "Click in speaker" when programming the Maestro module. Chimes not working, but OnStar is - If vehicle was factory amplified and is now bypassed, ensure "Factory Amplifier" is turned off on the "Select how to configure your system" page when programming the Maestro module.
No sound from the Bose system (If equipped).	Make sure the amplifier turn on wire (Blue/White) of the T-Harness is connected to the radio's amplifier turn on wire. When flashing the Maestro make sure that the Amplifier in OEM Systems to Retain is selected. Make sure the RCA's are connected to the radio or the speaker wires are connected depending on your installation method.
Audio is very quiet or very loud.	Non amplified vehicles: ensure the AMP adapter is NOT plugged in between the white 8 pin plugs. Amplified vehicles: ensure the AMP adapter IS plugged in between the white 8 pin plugs.
(Vehicle using a GM2 harness only) Backup camera is not working and displays a black screen on radio when in reverse.	Ensure the 2-pin yellow plug is connected as shown on the diagram.
The light on the Maestro is flashing **RED ONCE**.	There is no firmware on the module; flash the RR module. DO NOT use demo mode.

TROUBLESHOOTING TABLE P2 /2

MAESTRO RR RESET PROCEDURE:

Turn the key to the OFF position, then disconnect all connectors from the module.
Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).
Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds to show the reset was successful.

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

IMPORTANT: To ensure proper operation, the aftermarket radio needs to have the latest firmware from the manufacturer. Please visit the radio manufacturer's website and look for any updates pertaining to your radio.

INSTALL GUIDE

2007-2011
CHEVROLET TAHOE

RETAINS STEERING WHEEL CONTROLS, ONSTAR, BLUETOOTH AND MORE!



PRODUITS REQUIS
Interface de remplacement d'autoradio: iDatalink Maestro RR ou RR2
Câblage : iDatalink Maestro HRR-GM5+

PROGRAMMED FIRMWARE
ADS-RR(SR)-GM05-AS

ADDITIONAL RESOURCES
Maestro RR2 Programmable Outputs Guide

OPTIONAL ACCESSORIES

ACC-SP1

HEAD UNIT ADAPTER:
ACC-HU-PIO1, SON1, KEN1, KEN2, ALP1

NOTICE: Automotive Data Solutions Inc. (ADS) recommends having this installation performed by a certified technician. Logos and trademarks used here in are the properties of their respective owners.

WELCOME

Congratulations on the purchase of your iDatalink Maestro RR Radio replacement solution. You are now a few simple steps away from enjoying your new car radio with enhanced features.

Before starting your installation, please ensure that your iDatalink Maestro module is programmed with the correct firmware for your vehicle and that you carefully review the install guide.

Please note that Maestro RR will only retain functionalities that were originally available in the vehicle.

TABLE OF CONTENTS

Before Installing	3
Installation Instructions	4
Wiring Diagram with an Amplifier	5
Wiring Diagram without an Amplifier	6
Radio Wire Reference Chart	7
Module Diagnostics	8
Troubleshooting Table	9

NEED HELP?

1 866 427-2999

maestro.support@idatalink.com

BEFORE INSTALLING P1 /1

STEP 1

DETERMINE IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

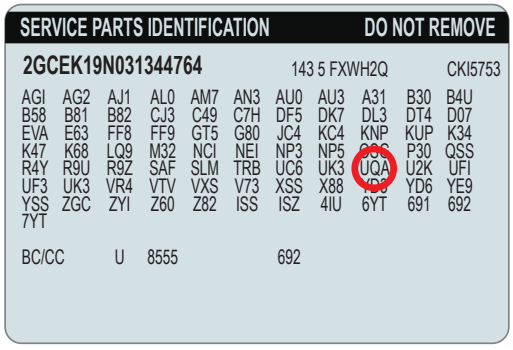
METHOD 1: Look for the following logos in the vehicle. They are usually on the speaker covers or on the radio unit. If you find any of the following logos Bose, Pioneer or Monsoon, you have a factory amplifier.

BOSE

Pioneer

MONSOON

METHOD 2: Look for the following sticker in the glove box. This sticker will indicate all the Regular Production Option (RPO) codes. If you find any of the following codes UQA, UQS or UQG, you have a factory amplifier.



STEP 2

IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **with an amplifier** and read the "**AMPLIFIER ONLY**" note to determine if you should use rca's or level matching circuits.

IF YOUR VEHICLE NOT IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **without an amplifier**.

Automotive Data Solutions Inc. © 2023

INSTALLATION INSTRUCTIONS P1/1

STEP 1

Remove the factory radio

If using head unit adapter (sold separately), connect HRR-GM5+ harness to adapter and skip to step 2.

- Unbox the aftermarket radio and locate its main harness.
- Cut and remove the black 20 pin connector from the HRR-GM5+ T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the HRR-GM5+ T-harness and match the wire functions.

  Note: only connect purple/white wire to radio reverse input or module damage will occur.

STEP 2

- Connect the factory harness to the HRR-GM5+ T-harness.
- Without AMP: Ensure that the WHITE 8 pin plugs are connected.
- With AMP: Connect the HRR-GM5+ 8 pin WHITE connectors to the AMP adapter.

STEP 3

- Plug the harnesses into the aftermarket radio.
- Connect the backup camera RCA cable into the aftermarket radio.
- With AMP: Connect the Center and SUB RCA cables.
- Plug the steering wheel control cable into the aftermarket radio.

STEP 4

- Connect the ACC-SP1 speaker to Maestro module.
- Connect all the harnesses to the Maestro RR module then test your installation.

OnStar, turn signal volume, or warning chime adjust:

- Turn ignition (IGN) on
- Open driver's door

Select to adjust:

OnStar level - Press OnStar button.

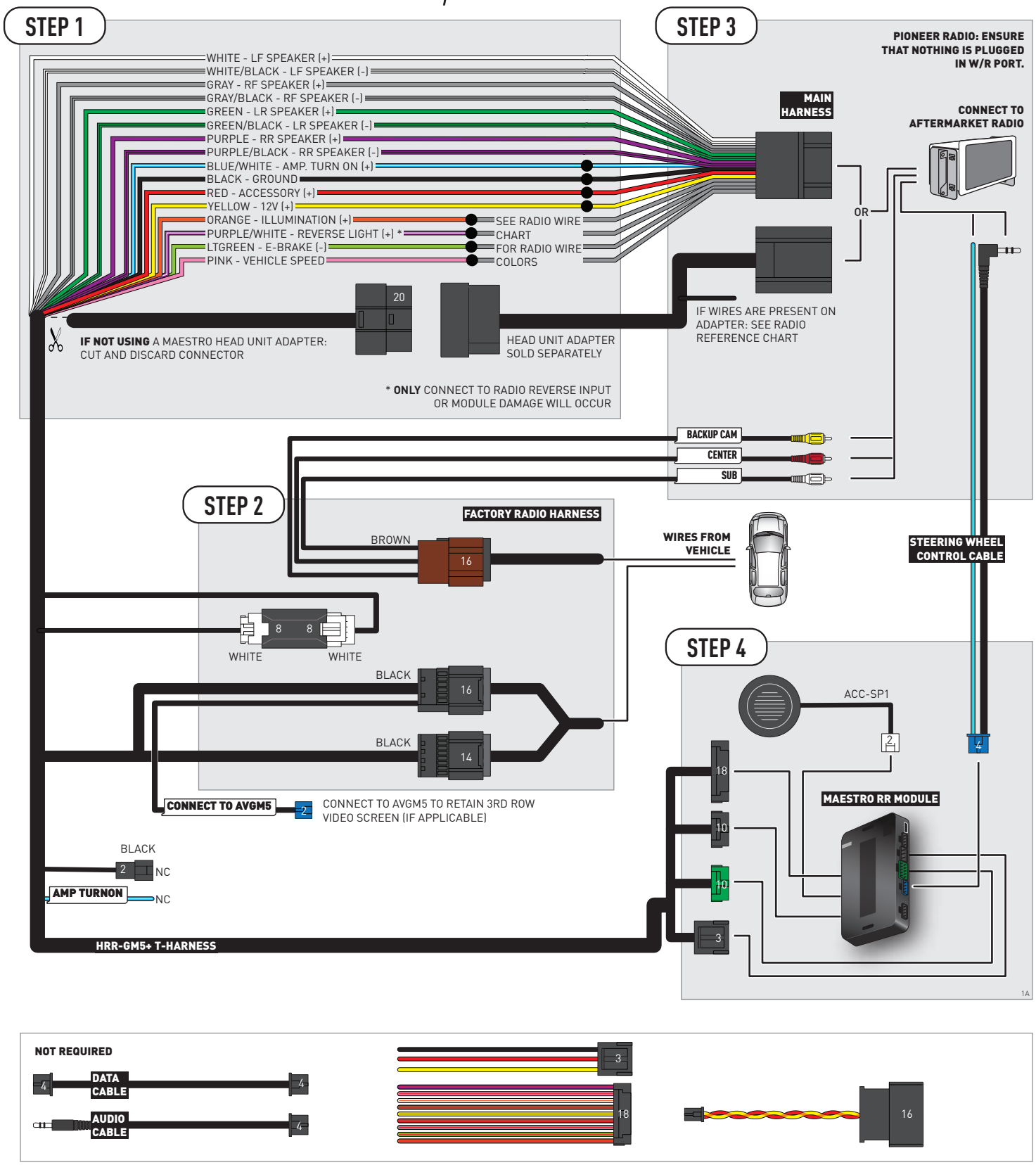
Turn signal level - activate either turn signal.

Warning chime level - turn headlight switch to parking light position (not AUTO).

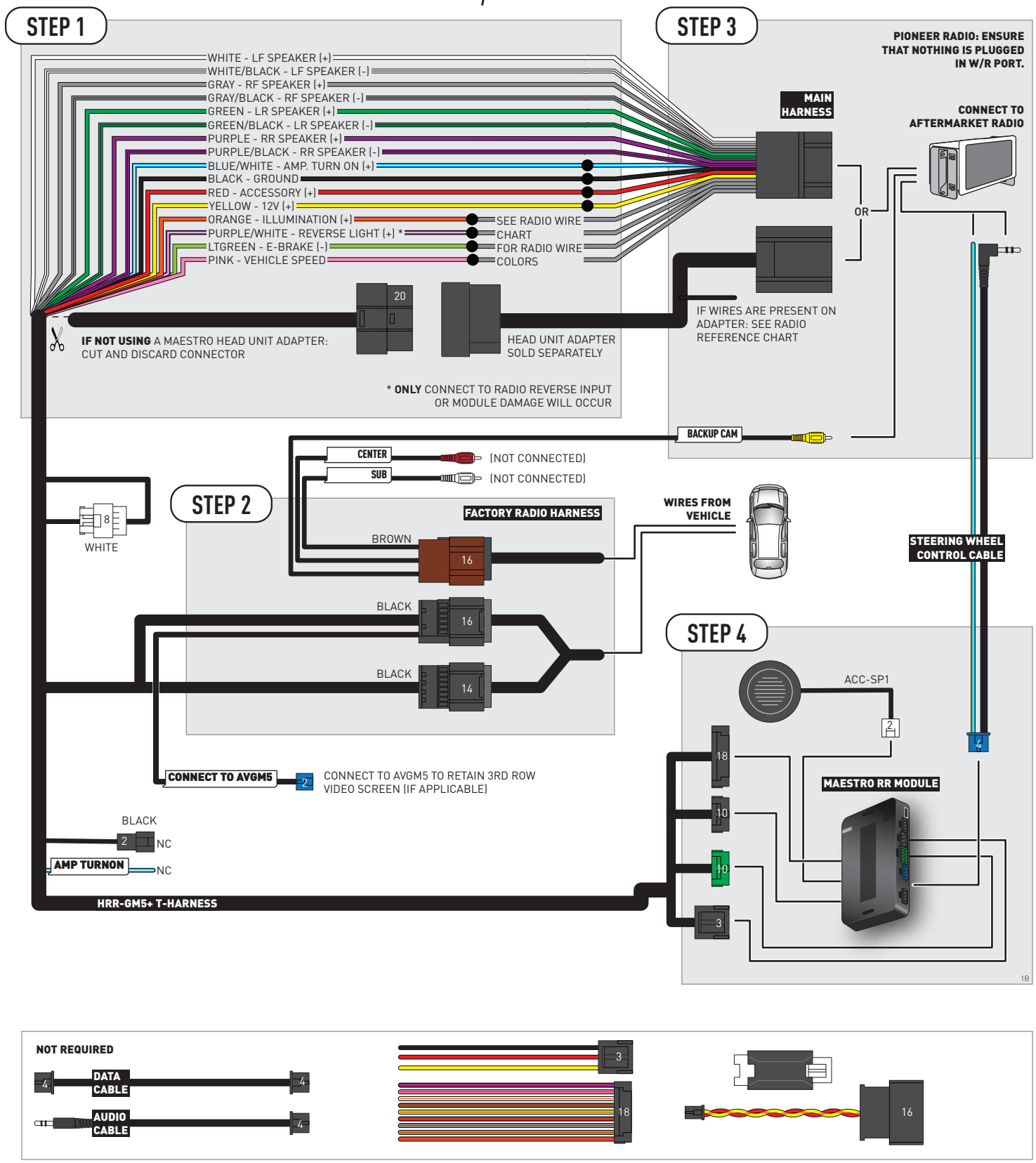
- Adjust volume using steering wheel volume up/down OR dimmer switch. If using dimmer switch, ensure headlight switch is NOT set to AUTO.

1

WIRING DIAGRAM *with an Amplifier*



WIRING DIAGRAM *without an Amplifier*



RADIO WIRE REFERENCE CHART

GM5+ (GM2) T-harness Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/ JVC cable	Wire Color on Pioneer cable	Wire Color on Sony cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light*	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A
Power Antenna	(+)	Blue	Blue	Blue	Blue/White	Blue or Blue/White

Head unit adapter wiring (optional accessory, sold separately)

ACC-HU-ALP1 Wire Description	Polarity	Wire Color on Adapter	Alpine Radio
VSS (vehicle speed sensor)	(DATA)	Green/White	Green/White

ACC-HU-KEN1 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
CAM	(+)	Green/Red	Refer to camera/radio manual
CAM	(-)	Green/White	Refer to camera/radio manual
Steering Wheel Controls	(DATA)	Blue/Yellow	Connect if no iDatalink 4-pin port on radio

ACC-HU-KEN2 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
E-Brake	(-)	LtGreen	LtGreen
Reverse Light*	(+)	Purple/White	Purple/White
Steering Wheel Controls	(DATA)	Blue/Yellow	Connect if no iDatalink 4-pin port on radio

* Reverse light wire: Only connect to radio or module damage will occur.

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 (RR2) Bluetooth activity	LED STATUS	DIAGNOSTIC
● or ●		RED or GREEN flashing	LED flashes 1 or more times, either red or green, **when a steering wheel button is pressed** : normal operation.
●		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do NOT use DEMO MODE.
●		1 GREEN flash	After radio boots up : Normal operation.
	●	3 GREEN flashes	Bluetooth is activated. Turns off after one minute: Normal operation.
●	●	OFF	Normal operation (inactive).

VIDEO HELP		Installation, product information, vehicle specific videos.
VERIFY FLASH		Last flash information, steering control configuration, vehicle information.
WEBLINK		Software to program module.

TROUBLESHOOTING TABLE P1 /2

PROBLEM	SOLUTION
Steering wheel controls do not work but LED on the Maestro does blink when steering wheel buttons are pressed.	Ensure the blue 4-pin steering wheel control cable is connected between the Maestro and the radio. The radio will use either the 3.5mm jack OR the blue/yellow wire, not both. Connect the 3.5mm jack from the Maestro blue 4-pin cable to the radio's 3.5mm port (labeled steering, remote, or wheel). If no such port exists, wire the blue/yellow to blue/yellow (Kenwood/JVC) or to the radio's Key 1 wire (brands not listed/other) and secure the 3.5mm jack. It will not be used. Verify the buttons are set up in the flash. If any button is set to "none" for "press once", it will do nothing. "Hold" column can be left as none and the "press once" function will operate with one press and when holding the button. Refer to radio's owner's manual to verify if the radio has this function: • JVC/Kenwood : Steering Wheel Control (ON/OFF): choose ON • Nakamichi : if model is listed, ensure PAC mode is on. If "other", learn the buttons in the radio steering wheel menu. • Sony : Steering Wheel Control (Custom/Preset): choose Preset. If phone buttons do not operate properly, flash the module as Pioneer – 2009 and newer with BT. Then select "custom" instead of "preset" and learn the buttons in the radio menu. • Other brands – radio should have a steering wheel menu to learn the buttons. You may have to select type A/B/C/1/2/3 and try learning again if buttons are not saving. Refer to radio manufacturer's tech support for further advice if not learning properly.
Radio does not turn on.	Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.
No sound from OnStar and/or no warning or turn signal chimes.	Plug the chime speaker in. Only turn signal chimes not working - verify "Turn Signal Reminder" is set to "Click in speaker" when programming the Maestro module. Chimes not working, but OnStar is - If vehicle was factory amplified and is now bypassed, ensure "Factory Amplifier" is turned off on the "Select how to configure your system" page when programming the Maestro module.
No sound from the Bose system (If equipped).	Make sure the amplifier turn on wire (Blue/White) of the T-Harness is connected to the radio's amplifier turn on wire. When flashing the Maestro make sure that the Amplifier in OEM Systems to Retain is selected. Make sure the RCA's are connected to the radio or the speaker wires are connected depending on your installation method.
Audio is very quiet or very loud.	Non amplified vehicles: ensure the AMP adapter is NOT plugged in between the white 8 pin plugs. Amplified vehicles: ensure the AMP adapter IS plugged in between the white 8 pin plugs.
(Vehicle using a GM2 harness only) Backup camera is not working and displays a black screen on radio when in reverse.	Ensure the 2-pin yellow plug is connected as shown on the diagram.
The light on the Maestro is flashing **RED ONCE**.	There is no firmware on the module; flash the RR module. DO NOT use demo mode.

TROUBLESHOOTING TABLE P2 /2

MAESTRO RR RESET PROCEDURE:

Turn the key to the OFF position, then disconnect all connectors from the module.
Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).
Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds to show the reset was successful.

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

IMPORTANT: To ensure proper operation, the aftermarket radio needs to have the latest firmware from the manufacturer. Please visit the radio manufacturer's website and look for any updates pertaining to your radio.

INSTALL GUIDE

2012-2014
CHEVROLET TAHOE
WITH NAV

RETAINS STEERING WHEEL CONTROLS, ONSTAR, BLUETOOTH AND MORE!



PRODUITS REQUIS
Interface de remplacement d'autoradio: iDatalink Maestro RR ou RR2
Câblage : iDatalink Maestro HRR-GM2

PROGRAMMED FIRMWARE
ADS-RR(SR)-GM05-AS

ADDITIONAL RESOURCES
Maestro RR2 Programmable Outputs Guide

OPTIONAL ACCESSORIES

ACC-SP1

HEAD UNIT ADAPTER:
ACC-HU-PIO1, SON1, KEN1, KEN2, ALP1

NOTICE: Automotive Data Solutions Inc. (ADS) recommends having this installation performed by a certified technician. Logos and trademarks used here in are the properties of their respective owners.

WELCOME

Congratulations on the purchase of your iDatalink Maestro RR Radio replacement solution. You are now a few simple steps away from enjoying your new car radio with enhanced features.

Before starting your installation, please ensure that your iDatalink Maestro module is programmed with the correct firmware for your vehicle and that you carefully review the install guide.

Please note that Maestro RR will only retain functionalities that were originally available in the vehicle.

TABLE OF CONTENTS

Before Installing	3
Installation Instructions	4
Wiring Diagram with an Amplifier	5
Wiring Diagram without an Amplifier	6
Radio Wire Reference Chart	7
Module Diagnostics	8
Troubleshooting Table	9

NEED HELP?

1 866 427-2999

maestro.support@idatalink.com

BEFORE INSTALLING P1 /1

STEP 1

DETERMINE IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

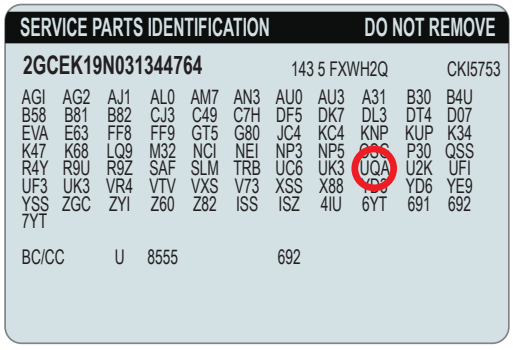
METHOD 1: Look for the following logos in the vehicle. They are usually on the speaker covers or on the radio unit. If you find any of the following logos Bose, Pioneer or Monsoon, you have a factory amplifier.

BOSE

Pioneer

MONSOON

METHOD 2: Look for the following sticker in the glove box. This sticker will indicate all the Regular Production Option (RPO) codes. If you find any of the following codes UQA, UQS or UQG, you have a factory amplifier.



STEP 2

IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **with an amplifier** and read the "**AMPLIFIER ONLY**" note to determine if you should use rca's or level matching circuits.

IF YOUR VEHICLE NOT IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **without an amplifier**.

Automotive Data Solutions Inc. © 2023

INSTALLATION INSTRUCTIONS P1/1

STEP 1

Remove the factory radio

If using head unit adapter (sold separately), connect HRR-GM2 harness to adapter and skip to step 2.

- Unbox the aftermarket radio and locate its main harness.
- Cut and remove the black 20 pin connector from the HRR-GM2 T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the HRR-GM2 T-harness and match the wire functions.

  Note: only connect purple/white wire to radio reverse input or module damage will occur.

STEP 2

- Connect the YELLOW 2 pin connector of the backup camera cable to the YELLOW connector (CAM 1) of the backup camera adapter. Connect GRAY connector of adapter to the vehicle backup camera harness.

STEP 3

- Connect the factory harness to the HRR-GM2 T-harness.
- Ensure that the RED 2 pin plugs are connected.
- Without AMP: Ensure that the WHITE 8 pin plugs are connected.
- With AMP: Connect the HRR-GM2 8 pin WHITE connectors to the AMP adapter.

STEP 4

- Plug the harnesses into the aftermarket radio.
- Connect the backup camera RCA cable into the aftermarket radio.
- Plug the steering wheel control cable into the aftermarket radio.

STEP 5

- Connect the ACC-SP1 speaker to Maestro module.
- Connect all the harnesses to the Maestro RR module then test your installation.

OnStar, turn signal volume, or warning chime adjust:

- Turn ignition (IGN) on
- Open driver's door

Select to adjust:

OnStar level - Press OnStar button.

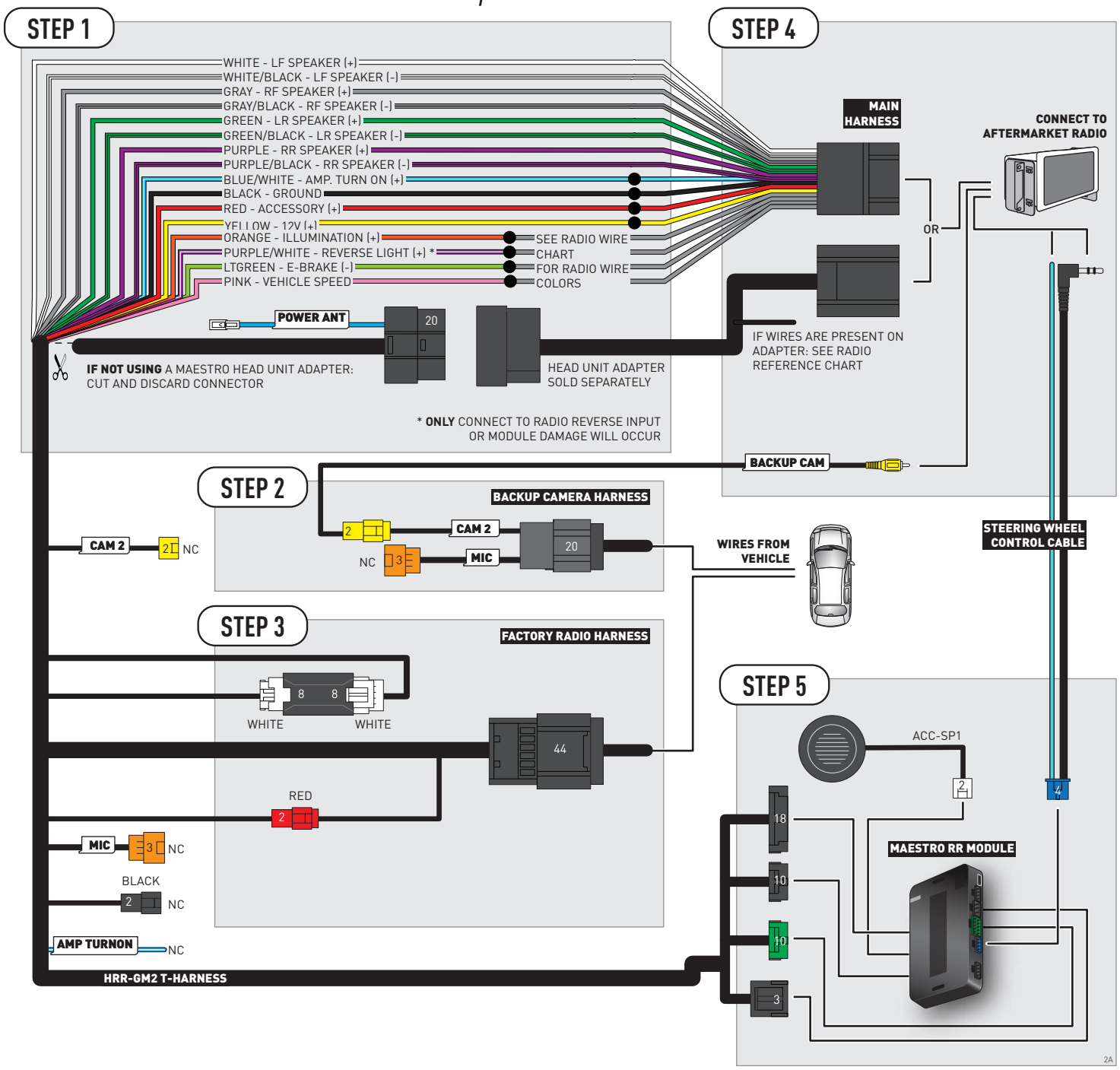
Turn signal level - activate either turn signal.

Warning chime level - turn headlight switch to parking light position (not AUTO).

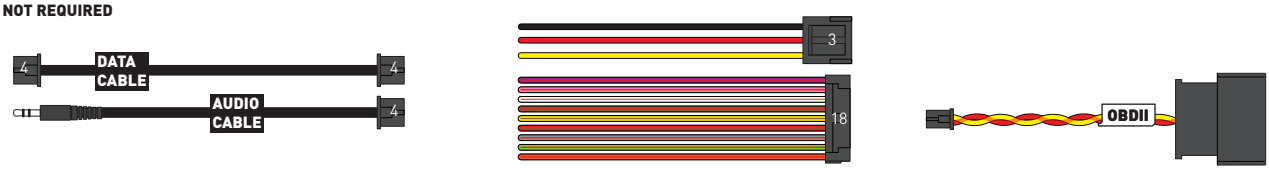
- Adjust volume using steering wheel volume up/down OR dimmer switch. If using dimmer switch, ensure headlight switch is NOT set to AUTO.

Automotive Data Solutions Inc. © 2023

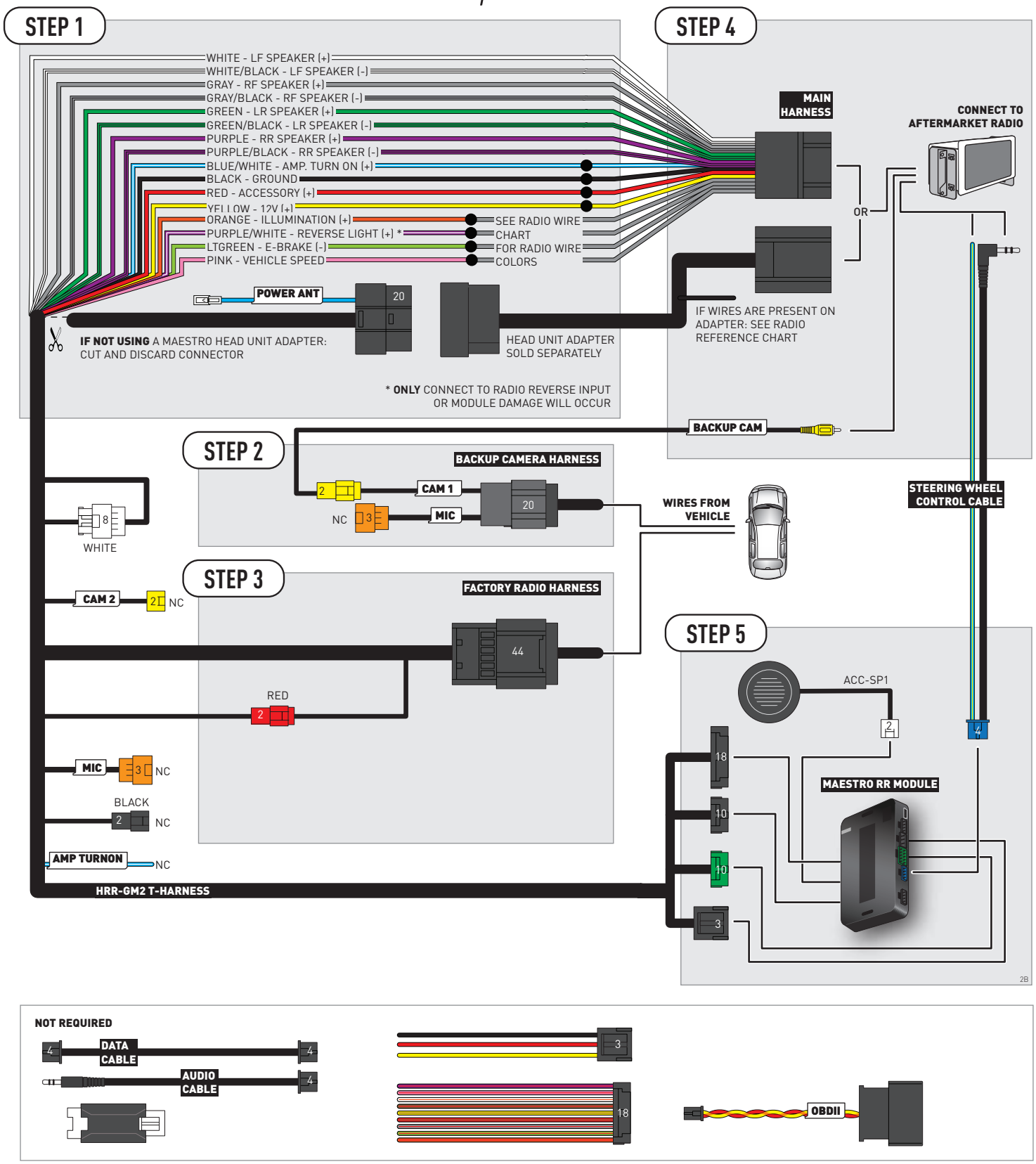
WIRING DIAGRAM *with an Amplifier*



NOT REQUIRED



WIRING DIAGRAM *without an Amplifier*



RADIO WIRE REFERENCE CHART

GM5+ (GM2) T-harness Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/ JVC cable	Wire Color on Pioneer cable	Wire Color on Sony cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light*	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A
Power Antenna	(+)	Blue	Blue	Blue	Blue/White	Blue or Blue/White

Head unit adapter wiring (optional accessory, sold separately)

ACC-HU-ALP1 Wire Description	Polarity	Wire Color on Adapter	Alpine Radio
VSS (vehicle speed sensor)	(DATA)	Green/White	Green/White

ACC-HU-KEN1 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
CAM	(+)	Green/Red	Refer to camera/radio manual
CAM	(-)	Green/White	Refer to camera/radio manual
Steering Wheel Controls	(DATA)	Blue/Yellow	Connect if no iDatalink 4-pin port on radio

ACC-HU-KEN2 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
E-Brake	(-)	LtGreen	LtGreen
Reverse Light*	(+)	Purple/White	Purple/White
Steering Wheel Controls	(DATA)	Blue/Yellow	Connect if no iDatalink 4-pin port on radio

* Reverse light wire: Only connect to radio or module damage will occur.

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 (RR2) Bluetooth activity	LED STATUS	DIAGNOSTIC
● or ●		RED or GREEN flashing	LED flashes 1 or more times, either red or green, **when a steering wheel button is pressed** : normal operation.
●		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do NOT use DEMO MODE.
●		1 GREEN flash	After radio boots up : Normal operation.
	●	3 GREEN flashes	Bluetooth is activated. Turns off after one minute: Normal operation.
●	●	OFF	Normal operation (inactive).

VIDEO HELP		Installation, product information, vehicle specific videos.
VERIFY FLASH		Last flash information, steering control configuration, vehicle information.
WEBLINK		Software to program module.

TROUBLESHOOTING TABLE P1 /2

PROBLEM	SOLUTION
Steering wheel controls do not work but LED on the Maestro does blink when steering wheel buttons are pressed.	Ensure the blue 4-pin steering wheel control cable is connected between the Maestro and the radio. The radio will use either the 3.5mm jack OR the blue/yellow wire, not both. Connect the 3.5mm jack from the Maestro blue 4-pin cable to the radio's 3.5mm port (labeled steering, remote, or wheel). If no such port exists, wire the blue/yellow to blue/yellow (Kenwood/JVC) or to the radio's Key 1 wire (brands not listed/other) and secure the 3.5mm jack. It will not be used. Verify the buttons are set up in the flash. If any button is set to "none" for "press once", it will do nothing. "Hold" column can be left as none and the "press once" function will operate with one press and when holding the button. Refer to radio's owner's manual to verify if the radio has this function: • JVC/Kenwood : Steering Wheel Control (ON/OFF): choose ON • Nakamichi : if model is listed, ensure PAC mode is on. If "other", learn the buttons in the radio steering wheel menu. • Sony : Steering Wheel Control (Custom/Preset): choose Preset. If phone buttons do not operate properly, flash the module as Pioneer – 2009 and newer with BT. Then select "custom" instead of "preset" and learn the buttons in the radio menu. • Other brands – radio should have a steering wheel menu to learn the buttons. You may have to select type A/B/C/1/2/3 and try learning again if buttons are not saving. Refer to radio manufacturer's tech support for further advice if not learning properly.
Radio does not turn on.	Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.
No sound from OnStar and/or no warning or turn signal chimes.	Plug the chime speaker in. Only turn signal chimes not working - verify "Turn Signal Reminder" is set to "Click in speaker" when programming the Maestro module. Chimes not working, but OnStar is - If vehicle was factory amplified and is now bypassed, ensure "Factory Amplifier" is turned off on the "Select how to configure your system" page when programming the Maestro module.
No sound from the Bose system (If equipped).	Make sure the amplifier turn on wire (Blue/White) of the T-Harness is connected to the radio's amplifier turn on wire. When flashing the Maestro make sure that the Amplifier in OEM Systems to Retain is selected. Make sure the RCA's are connected to the radio or the speaker wires are connected depending on your installation method.
Audio is very quiet or very loud.	Non amplified vehicles: ensure the AMP adapter is NOT plugged in between the white 8 pin plugs. Amplified vehicles: ensure the AMP adapter IS plugged in between the white 8 pin plugs.
(Vehicle using a GM2 harness only) Backup camera is not working and displays a black screen on radio when in reverse.	Ensure the 2-pin yellow plug is connected as shown on the diagram.
The light on the Maestro is flashing **RED ONCE**.	There is no firmware on the module; flash the RR module. DO NOT use demo mode.

TROUBLESHOOTING TABLE P2 /2

MAESTRO RR RESET PROCEDURE:

Turn the key to the OFF position, then disconnect all connectors from the module.
Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).
Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds to show the reset was successful.

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

IMPORTANT: To ensure proper operation, the aftermarket radio needs to have the latest firmware from the manufacturer. Please visit the radio manufacturer's website and look for any updates pertaining to your radio.

INSTALL GUIDE

2012-2014
CHEVROLET TAHOE
WITHOUT NAV

RETAINS STEERING WHEEL CONTROLS, ONSTAR, BLUETOOTH AND MORE!



PRODUITS REQUIS
Interface de remplacement d'autoradio: iDatalink Maestro RR ou RR2
Câblage : iDatalink Maestro HRR-GM5+

PROGRAMMED FIRMWARE
ADS-RR(SR)-GM05-AS

ADDITIONAL RESOURCES
Maestro RR2 Programmable Outputs Guide

OPTIONAL ACCESSORIES

ACC-SP1

HEAD UNIT ADAPTER:
ACC-HU-PIO1, SON1, KEN1, KEN2, ALP1

NOTICE: Automotive Data Solutions Inc. (ADS) recommends having this installation performed by a certified technician. Logos and trademarks used here in are the properties of their respective owners.

WELCOME

Congratulations on the purchase of your iDatalink Maestro RR Radio replacement solution. You are now a few simple steps away from enjoying your new car radio with enhanced features.

Before starting your installation, please ensure that your iDatalink Maestro module is programmed with the correct firmware for your vehicle and that you carefully review the install guide.

Please note that Maestro RR will only retain functionalities that were originally available in the vehicle.

TABLE OF CONTENTS

Before Installing	3
Installation Instructions	4
Wiring Diagram with an Amplifier	5
Wiring Diagram without an Amplifier	6
Radio Wire Reference Chart	7
Module Diagnostics	8
Troubleshooting Table	9

NEED HELP?

1 866 427-2999

maestro.support@idatalink.com

BEFORE INSTALLING P1 /1

STEP 1

DETERMINE IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

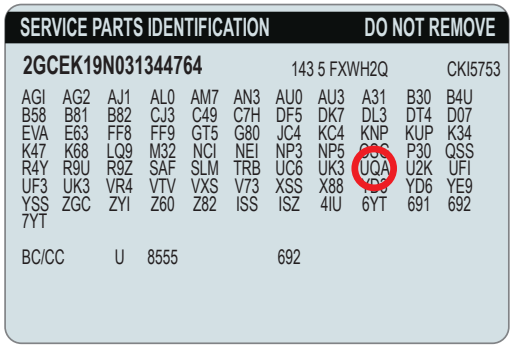
METHOD 1: Look for the following logos in the vehicle. They are usually on the speaker covers or on the radio unit. If you find any of the following logos Bose, Pioneer or Monsoon, you have a factory amplifier.

BOSE

Pioneer

MONSOON

METHOD 2: Look for the following sticker in the glove box. This sticker will indicate all the Regular Production Option (RPO) codes. If you find any of the following codes UQA, UQS or UQG, you have a factory amplifier.



STEP 2

IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **with an amplifier** and read the "**AMPLIFIER ONLY**" note to determine if you should use rca's or level matching circuits.

IF YOUR VEHICLE NOT IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **without an amplifier**.

INSTALLATION INSTRUCTIONS P1/1

STEP 1

Remove the factory radio

If using head unit adapter (sold separately), connect HRR-GM5+ harness to adapter and skip to step 2.

- Unbox the aftermarket radio and locate its main harness.
- Cut and remove the black 20 pin connector from the HRR-GM5+ T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the HRR-GM5+ T-harness and match the wire functions.

  Note: only connect purple/white wire to radio reverse input or module damage will occur.

STEP 2

- Connect the factory harness to the HRR-GM5+ T-harness.
- Without AMP: Ensure that the WHITE 8 pin plugs are connected.
- With AMP: Connect the HRR-GM5+ 8 pin WHITE connectors to the AMP adapter.

STEP 3

- Plug the harnesses into the aftermarket radio.
- Connect the backup camera RCA cable into the aftermarket radio.
- With AMP: Connect the Center and SUB RCA cables.
- Plug the steering wheel control cable into the aftermarket radio.

STEP 4

- Connect the ACC-SP1 speaker to Maestro module.
- Connect all the harnesses to the Maestro RR module then test your installation.

OnStar, turn signal volume, or warning chime adjust:

- Turn ignition (IGN) on
- Open driver's door

Select to adjust:

OnStar level - Press OnStar button.

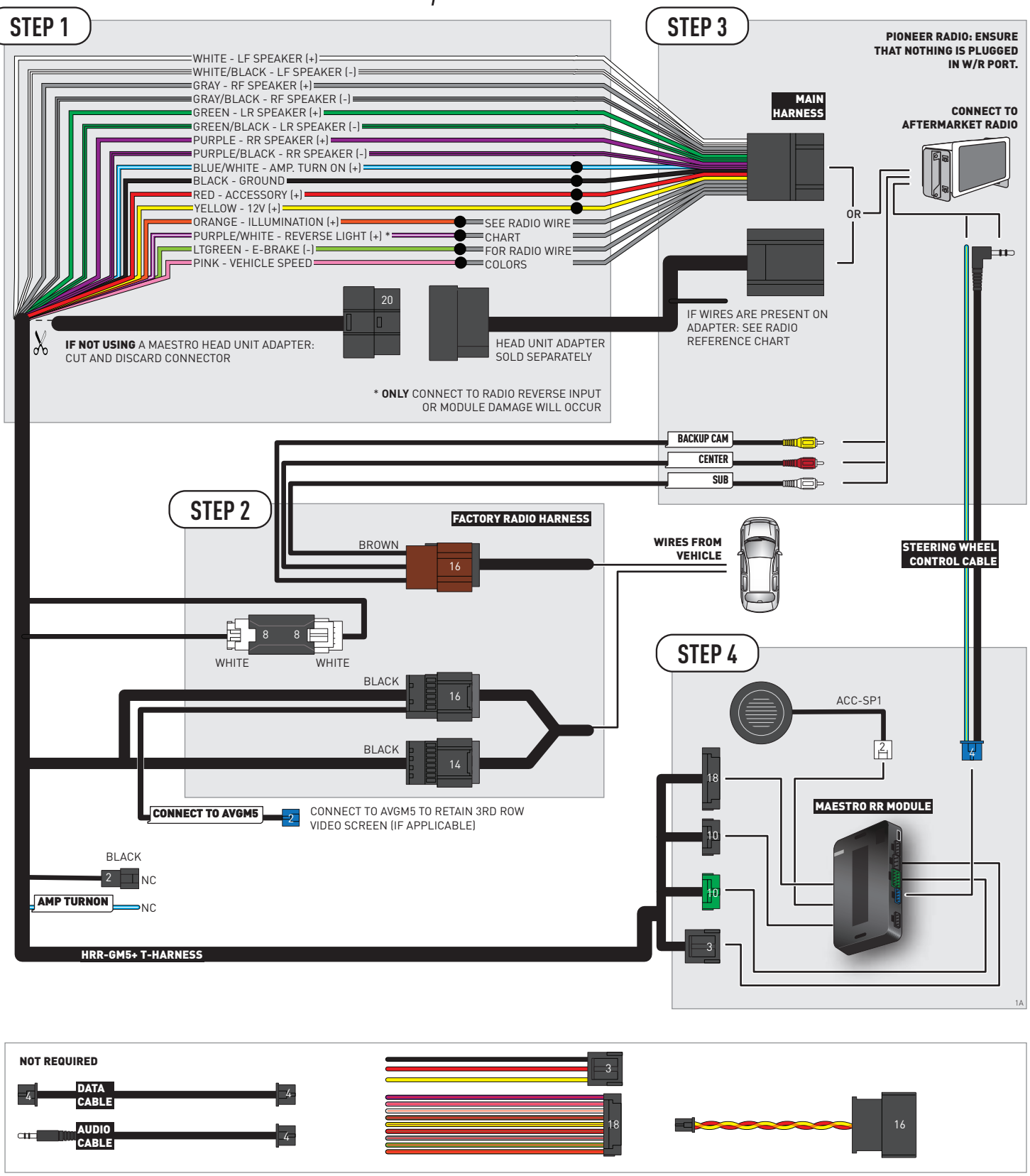
Turn signal level - activate either turn signal.

Warning chime level - turn headlight switch to parking light position (not AUTO).

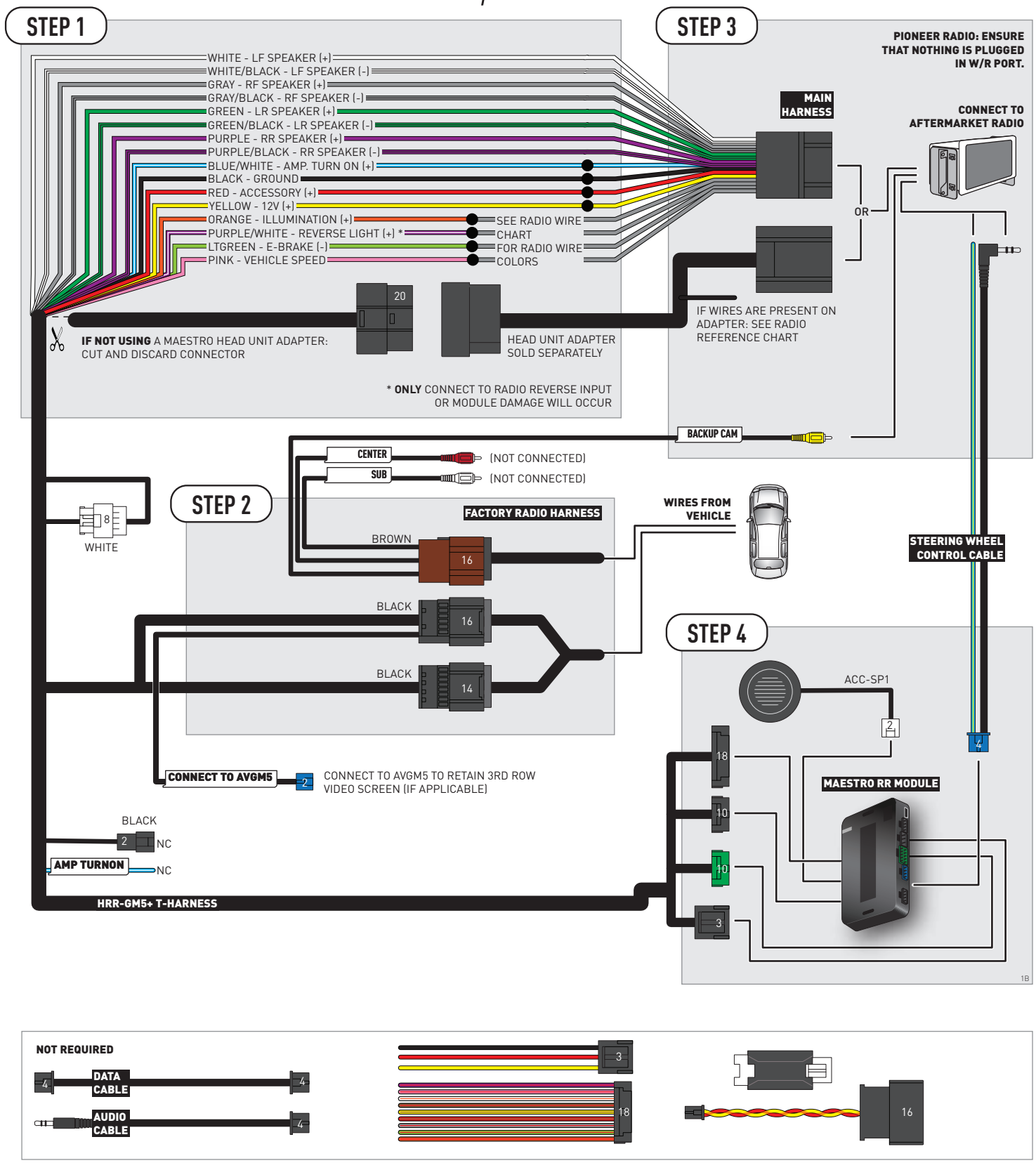
- Adjust volume using steering wheel volume up/down OR dimmer switch. If using dimmer switch, ensure headlight switch is NOT set to AUTO.

1

WIRING DIAGRAM *with an Amplifier*



WIRING DIAGRAM *without an Amplifier*



RADIO WIRE REFERENCE CHART

GM5+ (GM2) T-harness Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/ JVC cable	Wire Color on Pioneer cable	Wire Color on Sony cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light*	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A
Power Antenna	(+)	Blue	Blue	Blue	Blue/White	Blue or Blue/White

Head unit adapter wiring (optional accessory, sold separately)

ACC-HU-ALP1 Wire Description	Polarity	Wire Color on Adapter	Alpine Radio
VSS (vehicle speed sensor)	(DATA)	Green/White	Green/White

ACC-HU-KEN1 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
CAM	(+)	Green/Red	Refer to camera/radio manual
CAM	(-)	Green/White	Refer to camera/radio manual
Steering Wheel Controls	(DATA)	Blue/Yellow	Connect if no iDatalink 4-pin port on radio

ACC-HU-KEN2 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
E-Brake	(-)	LtGreen	LtGreen
Reverse Light*	(+)	Purple/White	Purple/White
Steering Wheel Controls	(DATA)	Blue/Yellow	Connect if no iDatalink 4-pin port on radio

* Reverse light wire: Only connect to radio or module damage will occur.

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 (RR2) Bluetooth activity	LED STATUS	DIAGNOSTIC
● or ●		RED or GREEN flashing	LED flashes 1 or more times, either red or green, **when a steering wheel button is pressed** : normal operation.
●		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do NOT use DEMO MODE.
●		1 GREEN flash	After radio boots up : Normal operation.
	●	3 GREEN flashes	Bluetooth is activated. Turns off after one minute: Normal operation.
●	●	OFF	Normal operation (inactive).

VIDEO HELP		Installation, product information, vehicle specific videos.
VERIFY FLASH		Last flash information, steering control configuration, vehicle information.
WEBLINK		Software to program module.

TROUBLESHOOTING TABLE P1 /2

PROBLEM	SOLUTION
Steering wheel controls do not work but LED on the Maestro does blink when steering wheel buttons are pressed.	Ensure the blue 4-pin steering wheel control cable is connected between the Maestro and the radio. The radio will use either the 3.5mm jack OR the blue/yellow wire, not both. Connect the 3.5mm jack from the Maestro blue 4-pin cable to the radio's 3.5mm port (labeled steering, remote, or wheel). If no such port exists, wire the blue/yellow to blue/yellow (Kenwood/JVC) or to the radio's Key 1 wire (brands not listed/other) and secure the 3.5mm jack. It will not be used. Verify the buttons are set up in the flash. If any button is set to "none" for "press once", it will do nothing. "Hold" column can be left as none and the "press once" function will operate with one press and when holding the button. Refer to radio's owner's manual to verify if the radio has this function: • JVC/Kenwood : Steering Wheel Control (ON/OFF): choose ON • Nakamichi : if model is listed, ensure PAC mode is on. If "other", learn the buttons in the radio steering wheel menu. • Sony : Steering Wheel Control (Custom/Preset): choose Preset. If phone buttons do not operate properly, flash the module as Pioneer – 2009 and newer with BT. Then select "custom" instead of "preset" and learn the buttons in the radio menu. • Other brands – radio should have a steering wheel menu to learn the buttons. You may have to select type A/B/C/1/2/3 and try learning again if buttons are not saving. Refer to radio manufacturer's tech support for further advice if not learning properly.
Radio does not turn on.	Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.
No sound from OnStar and/or no warning or turn signal chimes.	Plug the chime speaker in. Only turn signal chimes not working - verify "Turn Signal Reminder" is set to "Click in speaker" when programming the Maestro module. Chimes not working, but OnStar is - If vehicle was factory amplified and is now bypassed, ensure "Factory Amplifier" is turned off on the "Select how to configure your system" page when programming the Maestro module.
No sound from the Bose system (If equipped).	Make sure the amplifier turn on wire (Blue/White) of the T-Harness is connected to the radio's amplifier turn on wire. When flashing the Maestro make sure that the Amplifier in OEM Systems to Retain is selected. Make sure the RCA's are connected to the radio or the speaker wires are connected depending on your installation method.
Audio is very quiet or very loud.	Non amplified vehicles: ensure the AMP adapter is NOT plugged in between the white 8 pin plugs. Amplified vehicles: ensure the AMP adapter IS plugged in between the white 8 pin plugs.
(Vehicle using a GM2 harness only) Backup camera is not working and displays a black screen on radio when in reverse.	Ensure the 2-pin yellow plug is connected as shown on the diagram.
The light on the Maestro is flashing **RED ONCE**.	There is no firmware on the module; flash the RR module. DO NOT use demo mode.

TROUBLESHOOTING TABLE P2 /2

MAESTRO RR RESET PROCEDURE:

Turn the key to the OFF position, then disconnect all connectors from the module.
Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).
Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds to show the reset was successful.

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

IMPORTANT: To ensure proper operation, the aftermarket radio needs to have the latest firmware from the manufacturer. Please visit the radio manufacturer's website and look for any updates pertaining to your radio.

INSTALL GUIDE

2009-2017
CHEVROLET TRAVERSE

RETAINS STEERING WHEEL CONTROLS, ONSTAR, BLUETOOTH AND MORE!



PRODUITS REQUIS
Interface de remplacement d'autoradio: iDatalink Maestro RR ou RR2
Câblage : iDatalink Maestro HRR-GM5+

PROGRAMMED FIRMWARE
ADS-RR(SR)-GM05-AS

ADDITIONAL RESOURCES
Maestro RR2 Programmable Outputs Guide

OPTIONAL ACCESSORIES

ACC-SP1

HEAD UNIT ADAPTER:
ACC-HU-PIO1, SON1, KEN1, KEN2, ALP1

NOTICE: Automotive Data Solutions Inc. (ADS) recommends having this installation performed by a certified technician. Logos and trademarks used here in are the properties of their respective owners.

WELCOME

Congratulations on the purchase of your iDatalink Maestro RR Radio replacement solution. You are now a few simple steps away from enjoying your new car radio with enhanced features.

Before starting your installation, please ensure that your iDatalink Maestro module is programmed with the correct firmware for your vehicle and that you carefully review the install guide.

Please note that Maestro RR will only retain functionalities that were originally available in the vehicle.

TABLE OF CONTENTS

Before Installing	3
Installation Instructions	4
Wiring Diagram with an Amplifier	5
Wiring Diagram without an Amplifier	6
Radio Wire Reference Chart	7
Module Diagnostics	8
Troubleshooting Table	9

NEED HELP?

1 866 427-2999

maestro.support@idatalink.com

BEFORE INSTALLING P1 /1

STEP 1

DETERMINE IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

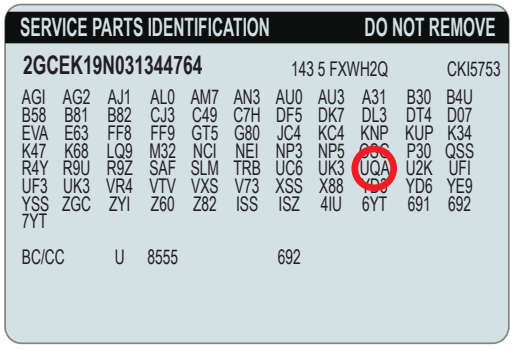
METHOD 1: Look for the following logos in the vehicle. They are usually on the speaker covers or on the radio unit. If you find any of the following logos Bose, Pioneer or Monsoon, you have a factory amplifier.

BOSE

Pioneer

MONSOON

METHOD 2: Look for the following sticker in the glove box. This sticker will indicate all the Regular Production Option (RPO) codes. If you find any of the following codes UQA, UQS or UQG, you have a factory amplifier.



STEP 2

IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **with an amplifier** and read the "**AMPLIFIER ONLY**" note to determine if you should use rca's or level matching circuits.

IF YOUR VEHICLE NOT IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **without an amplifier**.

Automotive Data Solutions Inc. © 2023

INSTALLATION INSTRUCTIONS P1/1

STEP 1

Remove the factory radio

If using head unit adapter (sold separately), connect HRR-GM5+ harness to adapter and skip to step 2.

- Unbox the aftermarket radio and locate its main harness.
- Cut and remove the black 20 pin connector from the HRR-GM5+ T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the HRR-GM5+ T-harness and match the wire functions.

  Note: only connect purple/white wire to radio reverse input or module damage will occur.

STEP 2

- Connect the factory harness to the HRR-GM5+ T-harness.
- Without AMP: Ensure that the WHITE 8 pin plugs are connected.
- With AMP: Connect the HRR-GM5+ 8 pin WHITE connectors to the AMP adapter.

STEP 3

- Plug the harnesses into the aftermarket radio.
- Connect the backup camera RCA cable into the aftermarket radio.
- With AMP: Connect the Center and SUB RCA cables.
- Plug the steering wheel control cable into the aftermarket radio.

STEP 4

- Connect the ACC-SP1 speaker to Maestro module.
- Connect all the harnesses to the Maestro RR module then test your installation.

OnStar, turn signal volume, or warning chime adjust:

- Turn ignition (IGN) on
- Open driver's door

Select to adjust:

OnStar level - Press OnStar button.

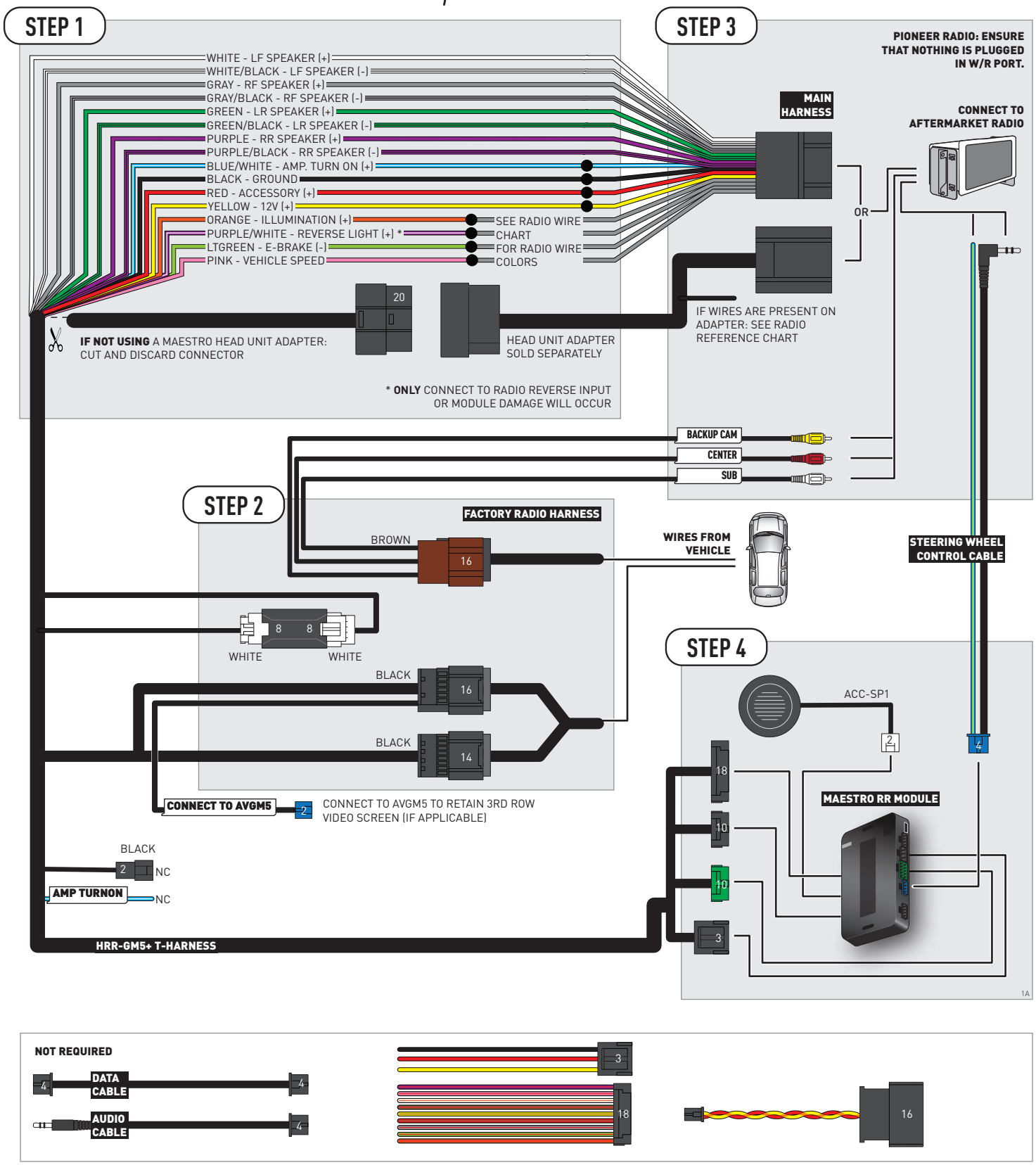
Turn signal level - activate either turn signal.

Warning chime level - turn headlight switch to parking light position (not AUTO).

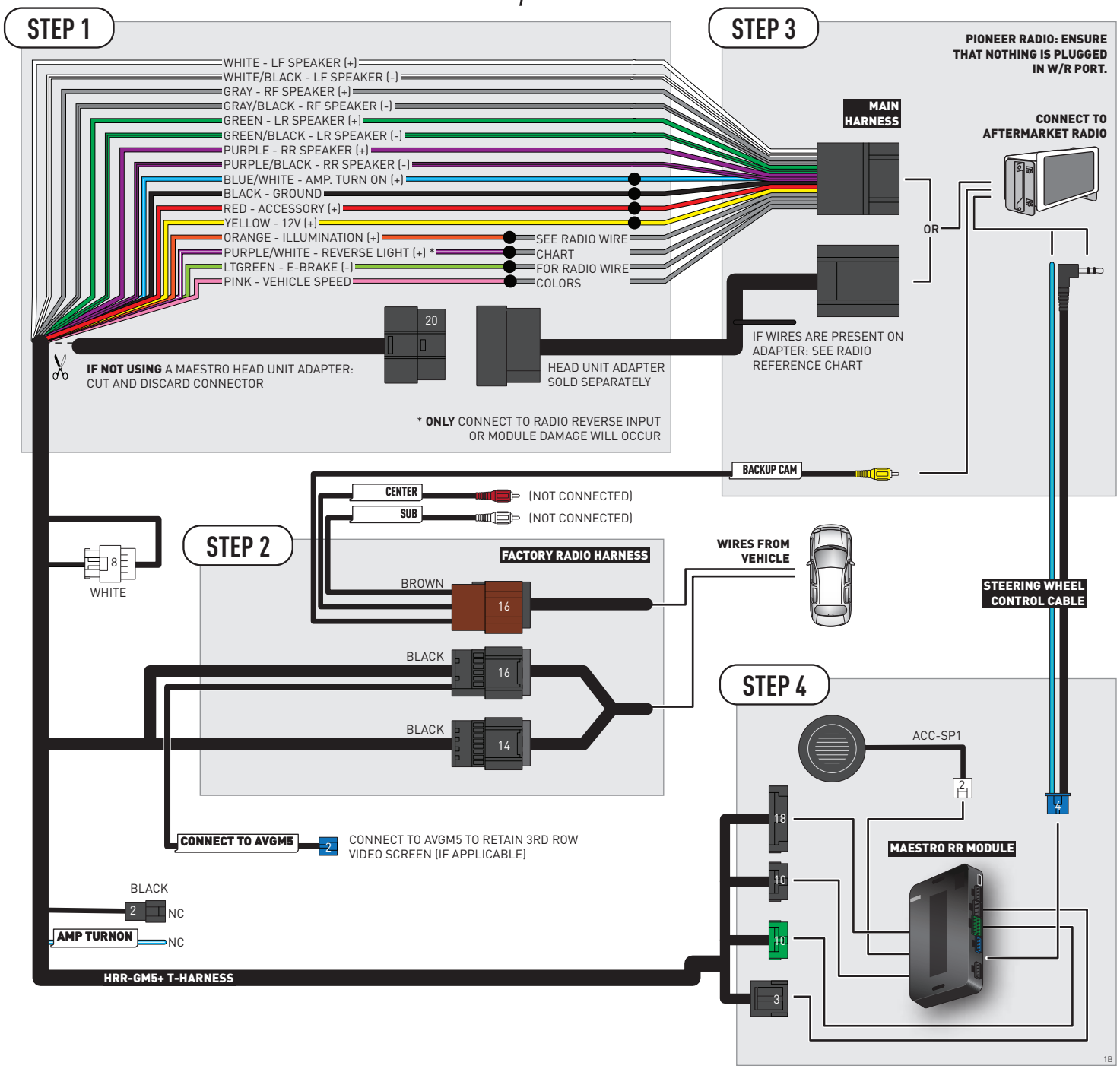
- Adjust volume using steering wheel volume up/down OR dimmer switch. If using dimmer switch, ensure headlight switch is NOT set to AUTO.

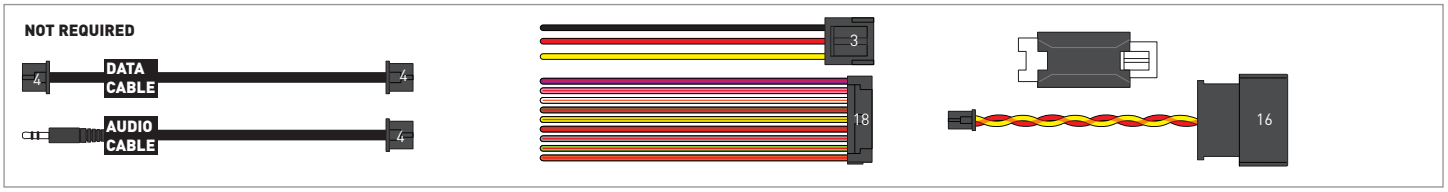
Automotive Data Solutions Inc. © 2023

WIRING DIAGRAM *with an Amplifier*



WIRING DIAGRAM *without an Amplifier*





RADIO WIRE REFERENCE CHART

GM5+ (GM2) T-harness Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/ JVC cable	Wire Color on Pioneer cable	Wire Color on Sony cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light*	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A
Power Antenna	(+)	Blue	Blue	Blue	Blue/White	Blue or Blue/White

Head unit adapter wiring (optional accessory, sold separately)

ACC-HU-ALP1 Wire Description	Polarity	Wire Color on Adapter	Alpine Radio
VSS (vehicle speed sensor)	(DATA)	Green/White	Green/White

ACC-HU-KEN1 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
CAM	(+)	Green/Red	Refer to camera/radio manual
CAM	(-)	Green/White	Refer to camera/radio manual
Steering Wheel Controls	(DATA)	Blue/Yellow	Connect if no iDatalink 4-pin port on radio

ACC-HU-KEN2 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
E-Brake	(-)	LtGreen	LtGreen
Reverse Light*	(+)	Purple/White	Purple/White
Steering Wheel Controls	(DATA)	Blue/Yellow	Connect if no iDatalink 4-pin port on radio

* Reverse light wire: Only connect to radio or module damage will occur.

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 (RR2) Bluetooth activity	LED STATUS	DIAGNOSTIC
● or ●		RED or GREEN flashing	LED flashes 1 or more times, either red or green, **when a steering wheel button is pressed** : normal operation.
●		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do NOT use DEMO MODE.
●		1 GREEN flash	After radio boots up : Normal operation.
	●	3 GREEN flashes	Bluetooth is activated. Turns off after one minute: Normal operation.
●	●	OFF	Normal operation (inactive).

VIDEO HELP		Installation, product information, vehicle specific videos.
VERIFY FLASH		Last flash information, steering control configuration, vehicle information.
WEBLINK		Software to program module.

TROUBLESHOOTING TABLE P1 /2

PROBLEM	SOLUTION
Steering wheel controls do not work but LED on the Maestro does blink when steering wheel buttons are pressed.	Ensure the blue 4-pin steering wheel control cable is connected between the Maestro and the radio. The radio will use either the 3.5mm jack OR the blue/yellow wire, not both. Connect the 3.5mm jack from the Maestro blue 4-pin cable to the radio's 3.5mm port (labeled steering, remote, or wheel). If no such port exists, wire the blue/yellow to blue/yellow (Kenwood/JVC) or to the radio's Key 1 wire (brands not listed/other) and secure the 3.5mm jack. It will not be used. Verify the buttons are set up in the flash. If any button is set to "none" for "press once", it will do nothing. "Hold" column can be left as none and the "press once" function will operate with one press and when holding the button. Refer to radio's owner's manual to verify if the radio has this function: • JVC/Kenwood : Steering Wheel Control (ON/OFF): choose ON • Nakamichi : if model is listed, ensure PAC mode is on. If "other", learn the buttons in the radio steering wheel menu. • Sony : Steering Wheel Control (Custom/Preset): choose Preset. If phone buttons do not operate properly, flash the module as Pioneer – 2009 and newer with BT. Then select "custom" instead of "preset" and learn the buttons in the radio menu. • Other brands – radio should have a steering wheel menu to learn the buttons. You may have to select type A/B/C/1/2/3 and try learning again if buttons are not saving. Refer to radio manufacturer's tech support for further advice if not learning properly.
Radio does not turn on.	Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.
No sound from OnStar and/or no warning or turn signal chimes.	Plug the chime speaker in. Only turn signal chimes not working - verify "Turn Signal Reminder" is set to "Click in speaker" when programming the Maestro module. Chimes not working, but OnStar is - If vehicle was factory amplified and is now bypassed, ensure "Factory Amplifier" is turned off on the "Select how to configure your system" page when programming the Maestro module.
No sound from the Bose system (If equipped).	Make sure the amplifier turn on wire (Blue/White) of the T-Harness is connected to the radio's amplifier turn on wire. When flashing the Maestro make sure that the Amplifier in OEM Systems to Retain is selected. Make sure the RCA's are connected to the radio or the speaker wires are connected depending on your installation method.
Audio is very quiet or very loud.	Non amplified vehicles: ensure the AMP adapter is NOT plugged in between the white 8 pin plugs. Amplified vehicles: ensure the AMP adapter IS plugged in between the white 8 pin plugs.
(Vehicle using a GM2 harness only) Backup camera is not working and displays a black screen on radio when in reverse.	Ensure the 2-pin yellow plug is connected as shown on the diagram.
The light on the Maestro is flashing **RED ONCE**.	There is no firmware on the module; flash the RR module. DO NOT use demo mode.

TROUBLESHOOTING TABLE P2 /2

MAESTRO RR RESET PROCEDURE:

Turn the key to the OFF position, then disconnect all connectors from the module.
Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).
Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds to show the reset was successful.

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

IMPORTANT: To ensure proper operation, the aftermarket radio needs to have the latest firmware from the manufacturer. Please visit the radio manufacturer's website and look for any updates pertaining to your radio.

INSTALL GUIDE

2007-2016
GMC ACADIA

RETAINS STEERING WHEEL CONTROLS, ONSTAR, BLUETOOTH AND MORE!



PRODUITS REQUIS
Interface de remplacement d'autoradio: iDatalink Maestro RR ou RR2
Câblage : iDatalink Maestro HRR-GM5+

PROGRAMMED FIRMWARE
ADS-RR(SR)-GM05-AS

ADDITIONAL RESOURCES
Maestro RR2 Programmable Outputs Guide

OPTIONAL ACCESSORIES

ACC-SP1

HEAD UNIT ADAPTER:
ACC-HU-PI01, SON1, KEN1, KEN2, ALP1

NOTICE: Automotive Data Solutions Inc. (ADS) recommends having this installation performed by a certified technician. Logos and trademarks used here in are the properties of their respective owners.

WELCOME

Congratulations on the purchase of your iDatalink Maestro RR Radio replacement solution. You are now a few simple steps away from enjoying your new car radio with enhanced features.

Before starting your installation, please ensure that your iDatalink Maestro module is programmed with the correct firmware for your vehicle and that you carefully review the install guide.

Please note that Maestro RR will only retain functionalities that were originally available in the vehicle.

TABLE OF CONTENTS

Before Installing	3
Installation Instructions	4
Wiring Diagram with an Amplifier	5
Wiring Diagram without an Amplifier	6
Radio Wire Reference Chart	7
Module Diagnostics	8
Troubleshooting Table	9

NEED HELP?

1 866 427-2999

maestro.support@idatalink.com

BEFORE INSTALLING P1 /1

STEP 1

DETERMINE IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

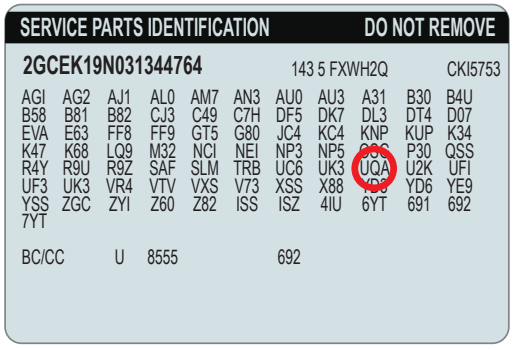
METHOD 1: Look for the following logos in the vehicle. They are usually on the speaker covers or on the radio unit. If you find any of the following logos Bose, Pioneer or Monsoon, you have a factory amplifier.

BOSE

Pioneer

MONSOON

METHOD 2: Look for the following sticker in the glove box. This sticker will indicate all the Regular Production Option (RPO) codes. If you find any of the following codes UQA, UQS or UQG, you have a factory amplifier.



STEP 2

IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **with an amplifier** and read the "**AMPLIFIER ONLY**" note to determine if you should use rca's or level matching circuits.

IF YOUR VEHICLE NOT IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **without an amplifier**.

Automotive Data Solutions Inc. © 2023

INSTALLATION INSTRUCTIONS P1/1

STEP 1

Remove the factory radio

If using head unit adapter (sold separately), connect HRR-GM5+ harness to adapter and skip to step 2.

- Unbox the aftermarket radio and locate its main harness.
- Cut and remove the black 20 pin connector from the HRR-GM5+ T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the HRR-GM5+ T-harness and match the wire functions.

  Note: only connect purple/white wire to radio reverse input or module damage will occur.

STEP 2

- Connect the factory harness to the HRR-GM5+ T-harness.
- Without AMP: Ensure that the WHITE 8 pin plugs are connected.
- With AMP: Connect the HRR-GM5+ 8 pin WHITE connectors to the AMP adapter.

STEP 3

- Plug the harnesses into the aftermarket radio.
- Connect the backup camera RCA cable into the aftermarket radio.
- With AMP: Connect the Center and SUB RCA cables.
- Plug the steering wheel control cable into the aftermarket radio.

STEP 4

- Connect the ACC-SP1 speaker to Maestro module.
- Connect all the harnesses to the Maestro RR module then test your installation.

OnStar, turn signal volume, or warning chime adjust:

- Turn ignition (IGN) on
- Open driver's door

Select to adjust:

OnStar level - Press OnStar button.

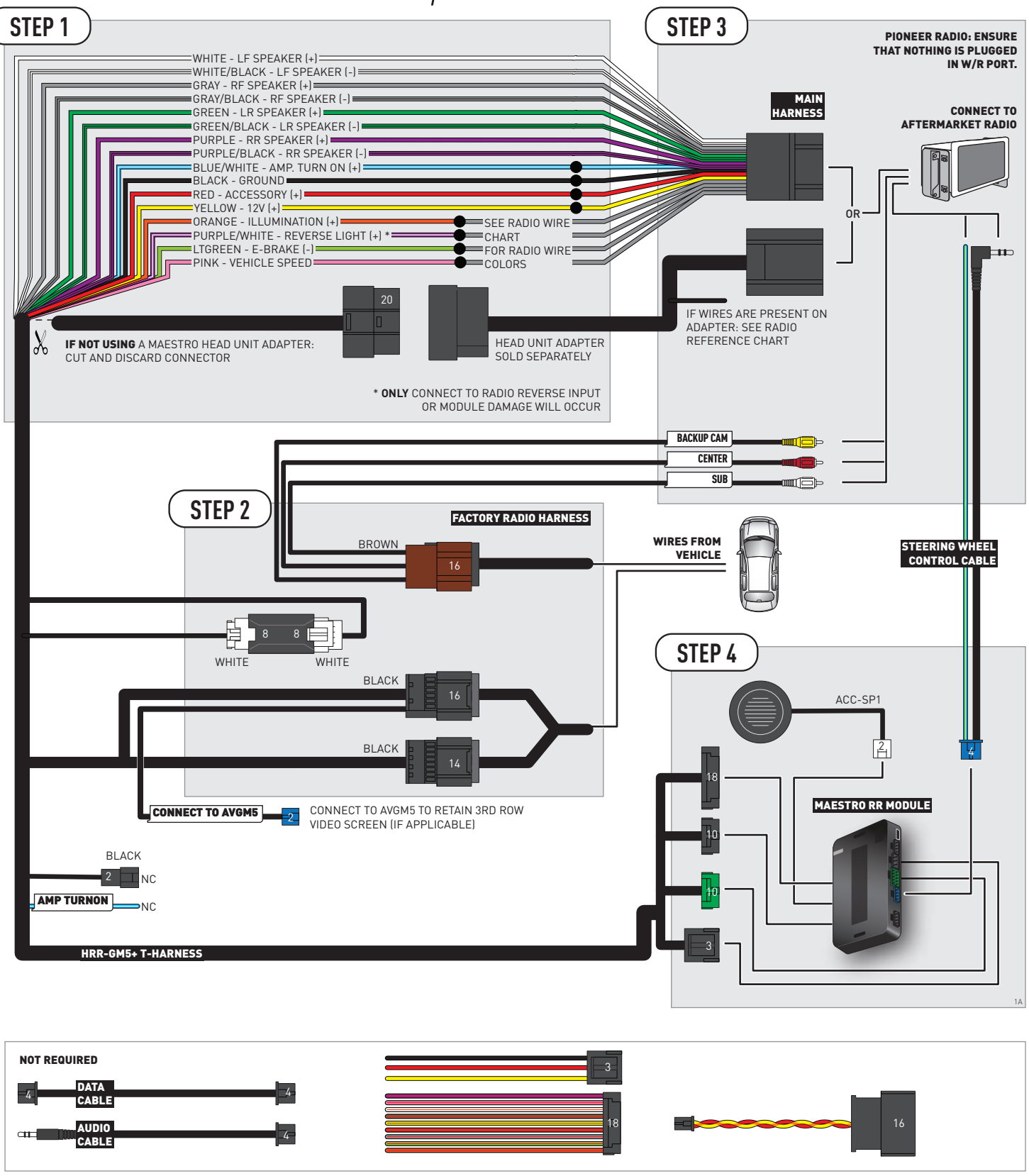
Turn signal level - activate either turn signal.

Warning chime level - turn headlight switch to parking light position (not AUTO).

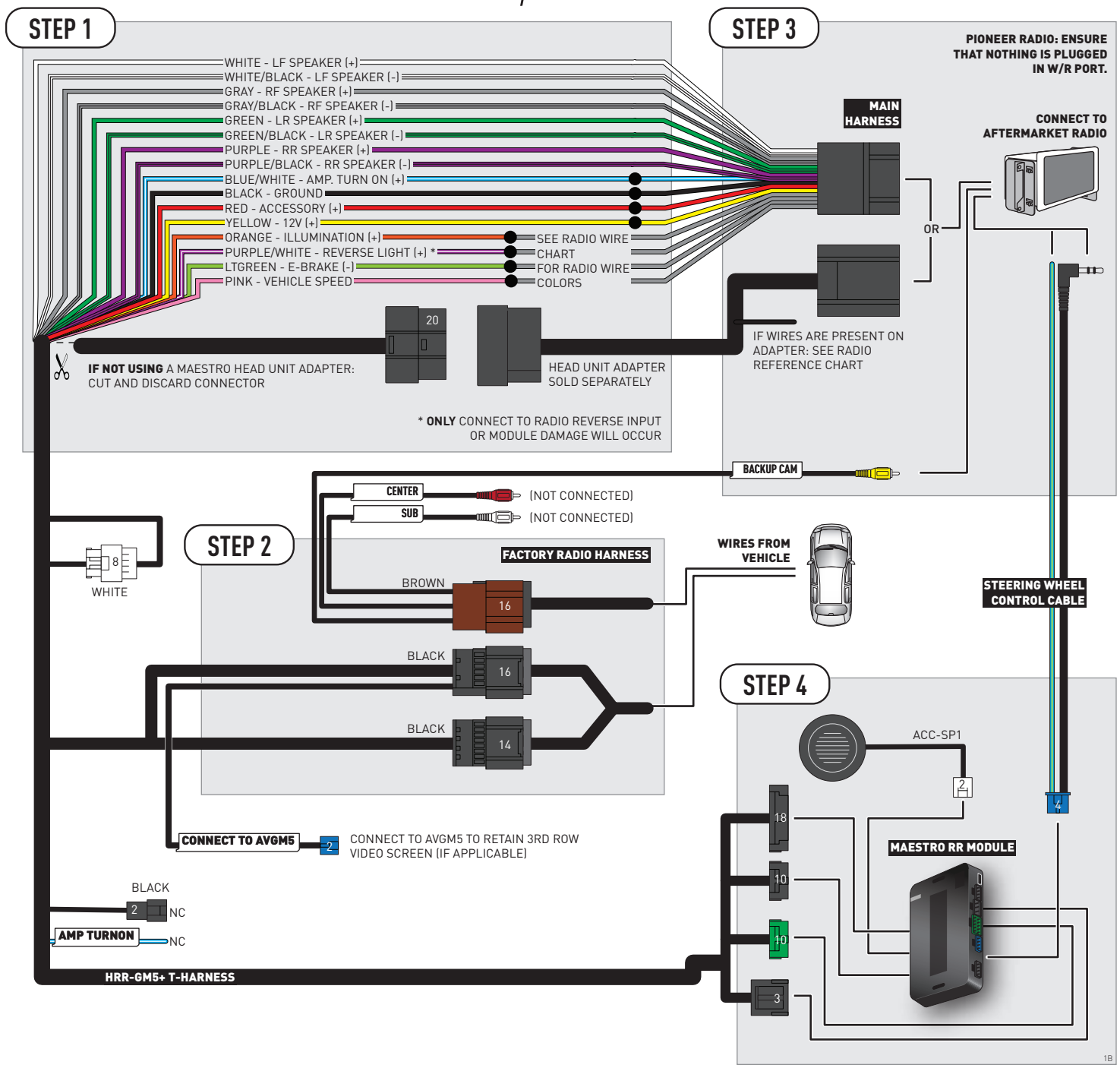
- Adjust volume using steering wheel volume up/down OR dimmer switch. If using dimmer switch, ensure headlight switch is NOT set to AUTO.

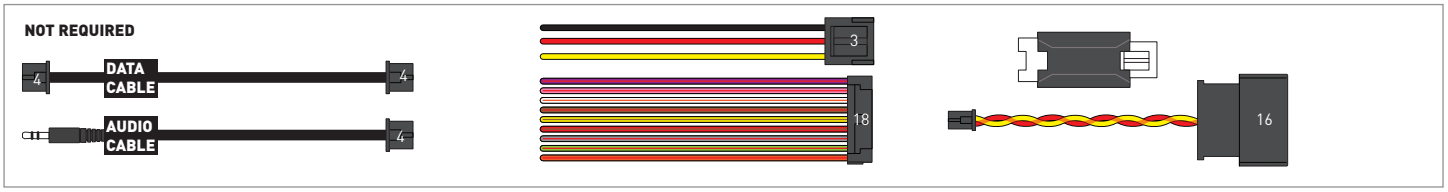
1

WIRING DIAGRAM *with an Amplifier*



WIRING DIAGRAM *without an Amplifier*





RADIO WIRE REFERENCE CHART

GM5+ (GM2) T-harness Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/ JVC cable	Wire Color on Pioneer cable	Wire Color on Sony cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light*	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A
Power Antenna	(+)	Blue	Blue	Blue	Blue/White	Blue or Blue/White

Head unit adapter wiring (optional accessory, sold separately)

ACC-HU-ALP1 Wire Description	Polarity	Wire Color on Adapter	Alpine Radio
VSS (vehicle speed sensor)	(DATA)	Green/White	Green/White

ACC-HU-KEN1 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
CAM	(+)	Green/Red	Refer to camera/radio manual
CAM	(-)	Green/White	Refer to camera/radio manual
Steering Wheel Controls	(DATA)	Blue/Yellow	Connect if no iDatalink 4-pin port on radio

ACC-HU-KEN2 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
E-Brake	(-)	LtGreen	LtGreen
Reverse Light*	(+)	Purple/White	Purple/White
Steering Wheel Controls	(DATA)	Blue/Yellow	Connect if no iDatalink 4-pin port on radio

* Reverse light wire: Only connect to radio or module damage will occur.

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 (RR2) Bluetooth activity	LED STATUS	DIAGNOSTIC
● or ●		RED or GREEN flashing	LED flashes 1 or more times, either red or green, **when a steering wheel button is pressed** : normal operation.
●		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do NOT use DEMO MODE.
●		1 GREEN flash	After radio boots up : Normal operation.
	●	3 GREEN flashes	Bluetooth is activated. Turns off after one minute: Normal operation.
●	●	OFF	Normal operation (inactive).

VIDEO HELP		Installation, product information, vehicle specific videos.
VERIFY FLASH		Last flash information, steering control configuration, vehicle information.
WEBLINK		Software to program module.

TROUBLESHOOTING TABLE P1 /2

PROBLEM	SOLUTION
Steering wheel controls do not work but LED on the Maestro does blink when steering wheel buttons are pressed.	Ensure the blue 4-pin steering wheel control cable is connected between the Maestro and the radio. The radio will use either the 3.5mm jack OR the blue/yellow wire, not both. Connect the 3.5mm jack from the Maestro blue 4-pin cable to the radio's 3.5mm port (labeled steering, remote, or wheel). If no such port exists, wire the blue/yellow to blue/yellow (Kenwood/JVC) or to the radio's Key 1 wire (brands not listed/other) and secure the 3.5mm jack. It will not be used. Verify the buttons are set up in the flash. If any button is set to "none" for "press once", it will do nothing. "Hold" column can be left as none and the "press once" function will operate with one press and when holding the button. Refer to radio's owner's manual to verify if the radio has this function: • JVC/Kenwood : Steering Wheel Control (ON/OFF): choose ON • Nakamichi : if model is listed, ensure PAC mode is on. If "other", learn the buttons in the radio steering wheel menu. • Sony : Steering Wheel Control (Custom/Preset): choose Preset. If phone buttons do not operate properly, flash the module as Pioneer – 2009 and newer with BT. Then select "custom" instead of "preset" and learn the buttons in the radio menu. • Other brands – radio should have a steering wheel menu to learn the buttons. You may have to select type A/B/C/1/2/3 and try learning again if buttons are not saving. Refer to radio manufacturer's tech support for further advice if not learning properly.
Radio does not turn on.	Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.
No sound from OnStar and/or no warning or turn signal chimes.	Plug the chime speaker in. Only turn signal chimes not working - verify "Turn Signal Reminder" is set to "Click in speaker" when programming the Maestro module. Chimes not working, but OnStar is - If vehicle was factory amplified and is now bypassed, ensure "Factory Amplifier" is turned off on the "Select how to configure your system" page when programming the Maestro module.
No sound from the Bose system (If equipped).	Make sure the amplifier turn on wire (Blue/White) of the T-Harness is connected to the radio's amplifier turn on wire. When flashing the Maestro make sure that the Amplifier in OEM Systems to Retain is selected. Make sure the RCA's are connected to the radio or the speaker wires are connected depending on your installation method.
Audio is very quiet or very loud.	Non amplified vehicles: ensure the AMP adapter is NOT plugged in between the white 8 pin plugs. Amplified vehicles: ensure the AMP adapter IS plugged in between the white 8 pin plugs.
(Vehicle using a GM2 harness only) Backup camera is not working and displays a black screen on radio when in reverse.	Ensure the 2-pin yellow plug is connected as shown on the diagram.
The light on the Maestro is flashing **RED ONCE**.	There is no firmware on the module; flash the RR module. DO NOT use demo mode.

TROUBLESHOOTING TABLE P2 /2

MAESTRO RR RESET PROCEDURE:

Turn the key to the OFF position, then disconnect all connectors from the module.
Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).
Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds to show the reset was successful.

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

IMPORTANT: To ensure proper operation, the aftermarket radio needs to have the latest firmware from the manufacturer. Please visit the radio manufacturer's website and look for any updates pertaining to your radio.

INSTALL GUIDE

2017
GMC ACADIA LIMITED

RETAINS STEERING WHEEL CONTROLS, ONSTAR, BLUETOOTH AND MORE!



PRODUITS REQUIS
Interface de remplacement d'autoradio: iDatalink Maestro RR ou RR2
Câblage : iDatalink Maestro HRR-GM5+

PROGRAMMED FIRMWARE
ADS-RR(SR)-GM05-AS

ADDITIONAL RESOURCES
Maestro RR2 Programmable Outputs Guide

OPTIONAL ACCESSORIES

ACC-SP1

HEAD UNIT ADAPTER:
ACC-HU-PIO1, SON1, KEN1, KEN2, ALP1

NOTICE: Automotive Data Solutions Inc. (ADS) recommends having this installation performed by a certified technician. Logos and trademarks used here in are the properties of their respective owners.

WELCOME

Congratulations on the purchase of your iDatalink Maestro RR Radio replacement solution. You are now a few simple steps away from enjoying your new car radio with enhanced features.

Before starting your installation, please ensure that your iDatalink Maestro module is programmed with the correct firmware for your vehicle and that you carefully review the install guide.

Please note that Maestro RR will only retain functionalities that were originally available in the vehicle.

TABLE OF CONTENTS

Before Installing	3
Installation Instructions	4
Wiring Diagram with an Amplifier	5
Wiring Diagram without an Amplifier	6
Radio Wire Reference Chart	7
Module Diagnostics	8
Troubleshooting Table	9

NEED HELP?

1 866 427-2999

maestro.support@idatalink.com

BEFORE INSTALLING P1 /1

STEP 1

DETERMINE IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

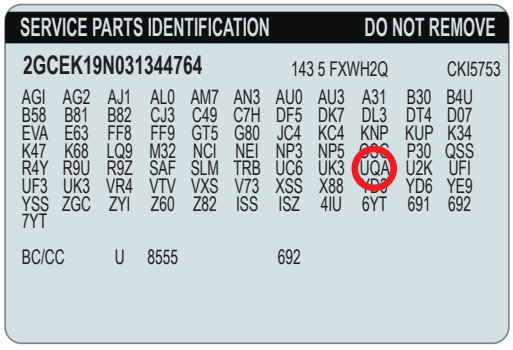
METHOD 1: Look for the following logos in the vehicle. They are usually on the speaker covers or on the radio unit. If you find any of the following logos Bose, Pioneer or Monsoon, you have a factory amplifier.

BOSE

Pioneer

MONSOON

METHOD 2: Look for the following sticker in the glove box. This sticker will indicate all the Regular Production Option (RPO) codes. If you find any of the following codes UQA, UQS or UQG, you have a factory amplifier.



STEP 2

IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **with an amplifier** and read the "**AMPLIFIER ONLY**" note to determine if you should use rca's or level matching circuits.

IF YOUR VEHICLE NOT IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **without an amplifier**.

Automotive Data Solutions Inc. © 2023

INSTALLATION INSTRUCTIONS P1/1

STEP 1

Remove the factory radio

If using head unit adapter (sold separately), connect HRR-GM5+ harness to adapter and skip to step 2.

- Unbox the aftermarket radio and locate its main harness.
- Cut and remove the black 20 pin connector from the HRR-GM5+ T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the HRR-GM5+ T-harness and match the wire functions.

  Note: only connect purple/white wire to radio reverse input or module damage will occur.

STEP 2

- Connect the factory harness to the HRR-GM5+ T-harness.
- Without AMP: Ensure that the WHITE 8 pin plugs are connected.
- With AMP: Connect the HRR-GM5+ 8 pin WHITE connectors to the AMP adapter.

STEP 3

- Plug the harnesses into the aftermarket radio.
- Connect the backup camera RCA cable into the aftermarket radio.
- With AMP: Connect the Center and SUB RCA cables.
- Plug the steering wheel control cable into the aftermarket radio.

STEP 4

- Connect the ACC-SP1 speaker to Maestro module.
- Connect all the harnesses to the Maestro RR module then test your installation.

OnStar, turn signal volume, or warning chime adjust:

- Turn ignition (IGN) on
- Open driver's door

Select to adjust:

OnStar level - Press OnStar button.

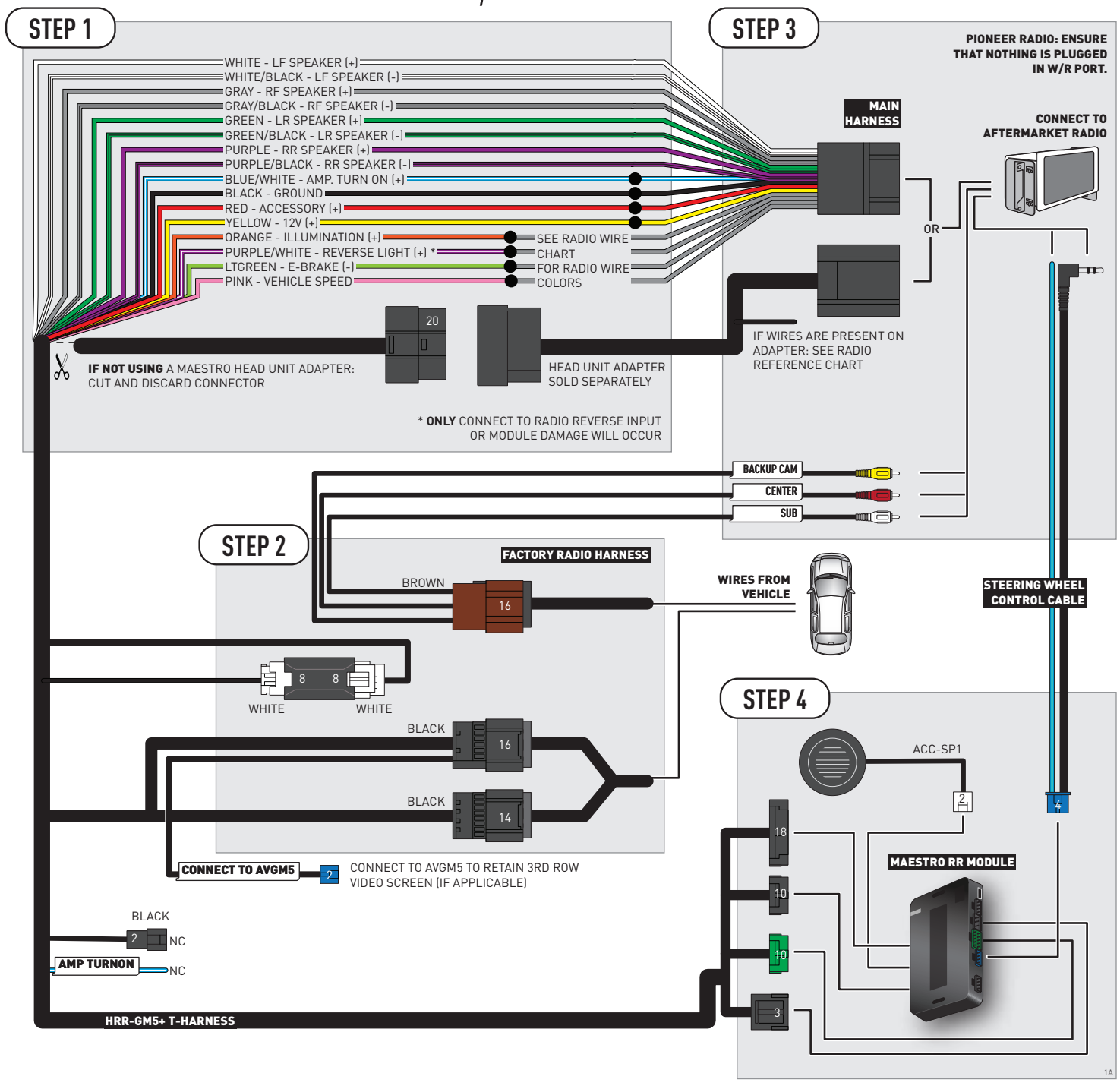
Turn signal level - activate either turn signal.

Warning chime level - turn headlight switch to parking light position (not AUTO).

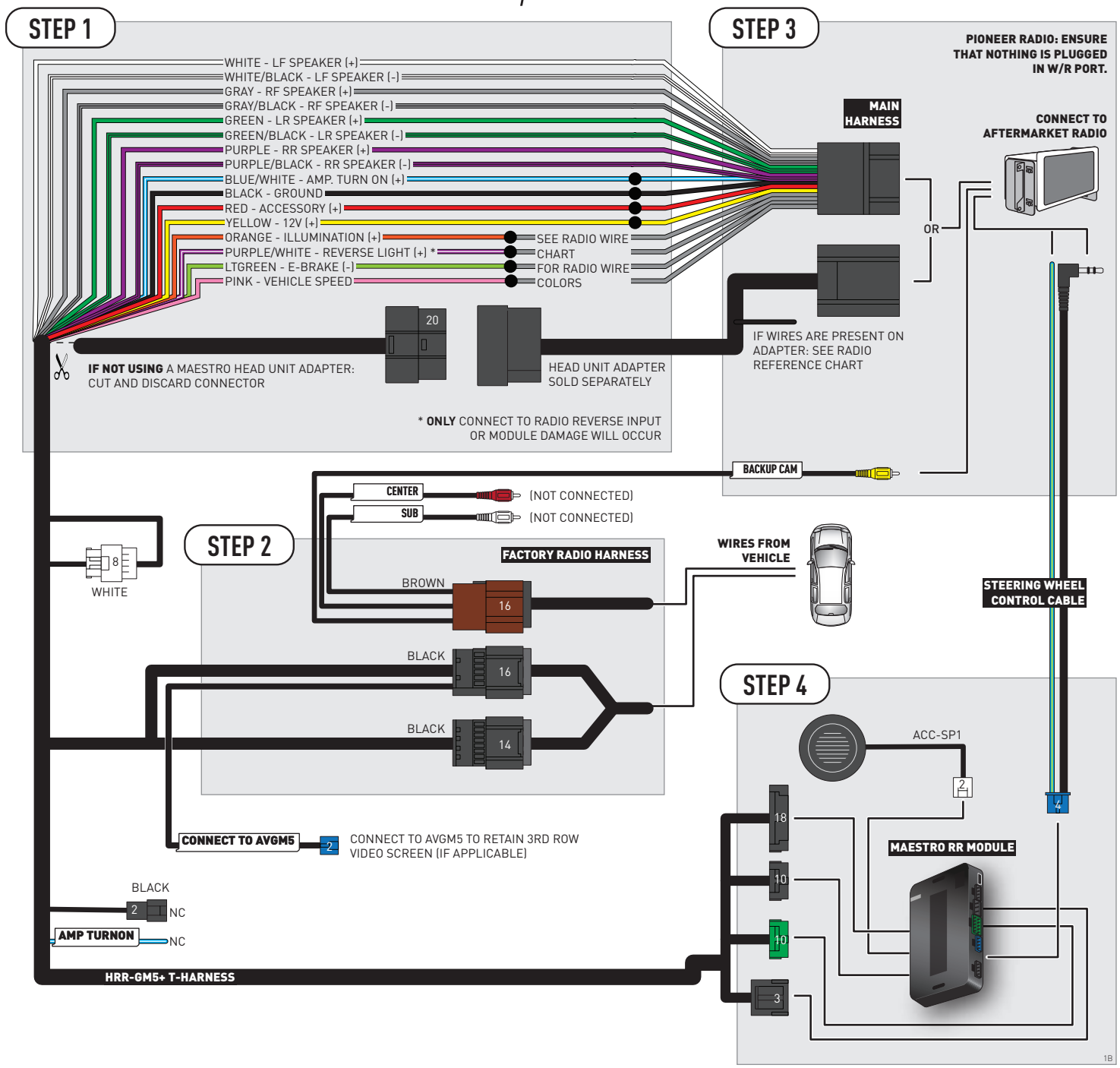
- Adjust volume using steering wheel volume up/down OR dimmer switch. If using dimmer switch, ensure headlight switch is NOT set to AUTO.

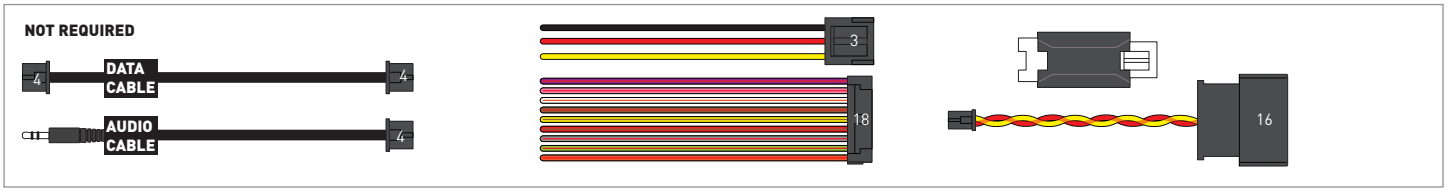
1

WIRING DIAGRAM *with an Amplifier*



WIRING DIAGRAM *without an Amplifier*





RADIO WIRE REFERENCE CHART

GM5+ (GM2) T-harness Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/ JVC cable	Wire Color on Pioneer cable	Wire Color on Sony cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light*	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A
Power Antenna	(+)	Blue	Blue	Blue	Blue/White	Blue or Blue/White

Head unit adapter wiring (optional accessory, sold separately)

ACC-HU-ALP1 Wire Description	Polarity	Wire Color on Adapter	Alpine Radio
VSS (vehicle speed sensor)	(DATA)	Green/White	Green/White

ACC-HU-KEN1 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
CAM	(+)	Green/Red	Refer to camera/radio manual
CAM	(-)	Green/White	Refer to camera/radio manual
Steering Wheel Controls	(DATA)	Blue/Yellow	Connect if no iDatalink 4-pin port on radio

ACC-HU-KEN2 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
E-Brake	(-)	LtGreen	LtGreen
Reverse Light*	(+)	Purple/White	Purple/White
Steering Wheel Controls	(DATA)	Blue/Yellow	Connect if no iDatalink 4-pin port on radio

* Reverse light wire: Only connect to radio or module damage will occur.

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 (RR2) Bluetooth activity	LED STATUS	DIAGNOSTIC
● or ●		RED or GREEN flashing	LED flashes 1 or more times, either red or green, **when a steering wheel button is pressed** : normal operation.
●		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do NOT use DEMO MODE.
●		1 GREEN flash	After radio boots up : Normal operation.
	●	3 GREEN flashes	Bluetooth is activated. Turns off after one minute: Normal operation.
●	●	OFF	Normal operation (inactive).

VIDEO HELP		Installation, product information, vehicle specific videos.
VERIFY FLASH		Last flash information, steering control configuration, vehicle information.
WEBLINK		Software to program module.

TROUBLESHOOTING TABLE P1 /2

PROBLEM	SOLUTION
Steering wheel controls do not work but LED on the Maestro does blink when steering wheel buttons are pressed.	Ensure the blue 4-pin steering wheel control cable is connected between the Maestro and the radio. The radio will use either the 3.5mm jack OR the blue/yellow wire, not both. Connect the 3.5mm jack from the Maestro blue 4-pin cable to the radio's 3.5mm port (labeled steering, remote, or wheel). If no such port exists, wire the blue/yellow to blue/yellow (Kenwood/JVC) or to the radio's Key 1 wire (brands not listed/other) and secure the 3.5mm jack. It will not be used. Verify the buttons are set up in the flash. If any button is set to "none" for "press once", it will do nothing. "Hold" column can be left as none and the "press once" function will operate with one press and when holding the button. Refer to radio's owner's manual to verify if the radio has this function: • JVC/Kenwood : Steering Wheel Control (ON/OFF): choose ON • Nakamichi : if model is listed, ensure PAC mode is on. If "other", learn the buttons in the radio steering wheel menu. • Sony : Steering Wheel Control (Custom/Preset): choose Preset. If phone buttons do not operate properly, flash the module as Pioneer – 2009 and newer with BT. Then select "custom" instead of "preset" and learn the buttons in the radio menu. • Other brands – radio should have a steering wheel menu to learn the buttons. You may have to select type A/B/C/1/2/3 and try learning again if buttons are not saving. Refer to radio manufacturer's tech support for further advice if not learning properly.
Radio does not turn on.	Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.
No sound from OnStar and/or no warning or turn signal chimes.	Plug the chime speaker in. Only turn signal chimes not working - verify "Turn Signal Reminder" is set to "Click in speaker" when programming the Maestro module. Chimes not working, but OnStar is - If vehicle was factory amplified and is now bypassed, ensure "Factory Amplifier" is turned off on the "Select how to configure your system" page when programming the Maestro module.
No sound from the Bose system (If equipped).	Make sure the amplifier turn on wire (Blue/White) of the T-Harness is connected to the radio's amplifier turn on wire. When flashing the Maestro make sure that the Amplifier in OEM Systems to Retain is selected. Make sure the RCA's are connected to the radio or the speaker wires are connected depending on your installation method.
Audio is very quiet or very loud.	Non amplified vehicles: ensure the AMP adapter is NOT plugged in between the white 8 pin plugs. Amplified vehicles: ensure the AMP adapter IS plugged in between the white 8 pin plugs.
(Vehicle using a GM2 harness only) Backup camera is not working and displays a black screen on radio when in reverse.	Ensure the 2-pin yellow plug is connected as shown on the diagram.
The light on the Maestro is flashing **RED ONCE**.	There is no firmware on the module; flash the RR module. DO NOT use demo mode.

TROUBLESHOOTING TABLE P2 /2

MAESTRO RR RESET PROCEDURE:

Turn the key to the OFF position, then disconnect all connectors from the module.
Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).
Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds to show the reset was successful.

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

IMPORTANT: To ensure proper operation, the aftermarket radio needs to have the latest firmware from the manufacturer. Please visit the radio manufacturer's website and look for any updates pertaining to your radio.

INSTALL GUIDE

2013-2023
GMC SAVANA
WITH NAV

RETAINS STEERING WHEEL CONTROLS, ONSTAR, BLUETOOTH AND MORE!



PRODUITS REQUIS
Interface de remplacement d'autoradio: iDatalink Maestro RR ou RR2
Câblage : iDatalink Maestro HRR-GM2

PROGRAMMED FIRMWARE
ADS-RR(SR)-GM05-AS

ADDITIONAL RESOURCES
Maestro RR2 Programmable Outputs Guide

OPTIONAL ACCESSORIES

ACC-SP1

HEAD UNIT ADAPTER:
ACC-HU-PI01, SON1, KEN1, KEN2, ALP1

NOTICE: Automotive Data Solutions Inc. (ADS) recommends having this installation performed by a certified technician. Logos and trademarks used here in are the properties of their respective owners.

WELCOME

Congratulations on the purchase of your iDatalink Maestro RR Radio replacement solution. You are now a few simple steps away from enjoying your new car radio with enhanced features.

Before starting your installation, please ensure that your iDatalink Maestro module is programmed with the correct firmware for your vehicle and that you carefully review the install guide.

Please note that Maestro RR will only retain functionalities that were originally available in the vehicle.

TABLE OF CONTENTS

Before Installing	3
Installation Instructions	4
Wiring Diagram with an Amplifier	5
Wiring Diagram without an Amplifier	6
Radio Wire Reference Chart	7
Module Diagnostics	8
Troubleshooting Table	9

NEED HELP?

1 866 427-2999

maestro.support@idatalink.com

BEFORE INSTALLING P1 /1

STEP 1

DETERMINE IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

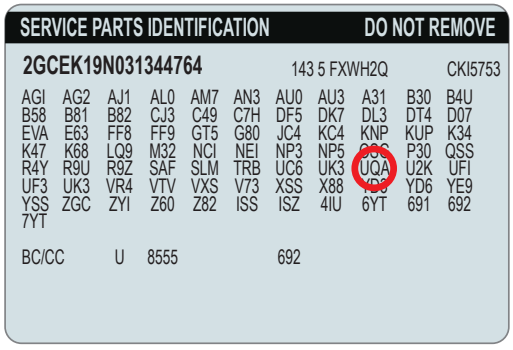
METHOD 1: Look for the following logos in the vehicle. They are usually on the speaker covers or on the radio unit. If you find any of the following logos Bose, Pioneer or Monsoon, you have a factory amplifier.

BOSE

Pioneer

MONSOON

METHOD 2: Look for the following sticker in the glove box. This sticker will indicate all the Regular Production Option (RPO) codes. If you find any of the following codes UQA, UQS or UQG, you have a factory amplifier.


SERVICE PARTS IDENTIFICATION DO NOT REMOVE

2GCEK19N031344764 143 5 FXWH2Q CKI5753

AGI	AG2	AJ1	AL0	AM7	AN3	AU0	AU3	A31	B30	B4U
B58	B81	B82	CJ3	C49	C7H	DF5	DK7	DL3	DT4	D07
EVA	E63	FF8	FF9	GT5	G80	JC4	KC4	KNP	KUP	K34
K47	K68	LQ9	M32	NCI	NEI	NP3	NP5	QQS	P30	QSS
R4Y	R9U	R9Z	SAF	SLM	TRB	UC6	UK3	UQA	U2K	UFI
UF3	UK3	VR4	VTV	VXS	V73	XSS	X88	YD5	YD6	YE9
YSS	ZGC	ZYI	Z60	Z82	ISS	ISZ	4IU	6YT	691	692
7YT										

BC/CC U 8555 692

STEP 2

IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **with an amplifier** and read the "**AMPLIFIER ONLY**" note to determine if you should use rca's or level matching circuits.

IF YOUR VEHICLE NOT IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **without an amplifier**.

Automotive Data Solutions Inc. © 2023

INSTALLATION INSTRUCTIONS P1/1

STEP 1

Remove the factory radio

If using head unit adapter (sold separately), connect HRR-GM2 harness to adapter and skip to step 2.

- Unbox the aftermarket radio and locate its main harness.
- Cut and remove the black 20 pin connector from the HRR-GM2 T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the HRR-GM2 T-harness and match the wire functions.

  Note: only connect purple/white wire to radio reverse input or module damage will occur.

STEP 2

- Connect the YELLOW 2 pin connector of the backup camera cable to the YELLOW connector (CAM 1) of the backup camera adapter. Connect GRAY connector of adapter to the vehicle backup camera harness.

STEP 3

- Connect the factory harness to the HRR-GM2 T-harness.
- Ensure that the RED 2 pin plugs are connected.
- Without AMP: Ensure that the WHITE 8 pin plugs are connected.
- With AMP: Connect the HRR-GM2 8 pin WHITE connectors to the AMP adapter.

STEP 4

- Plug the harnesses into the aftermarket radio.
- Connect the backup camera RCA cable into the aftermarket radio.
- Plug the steering wheel control cable into the aftermarket radio.

STEP 5

- Connect the ACC-SP1 speaker to Maestro module.
- Connect all the harnesses to the Maestro RR module then test your installation.

OnStar, turn signal volume, or warning chime adjust:

- Turn ignition (IGN) on
- Open driver's door

Select to adjust:

OnStar level - Press OnStar button.

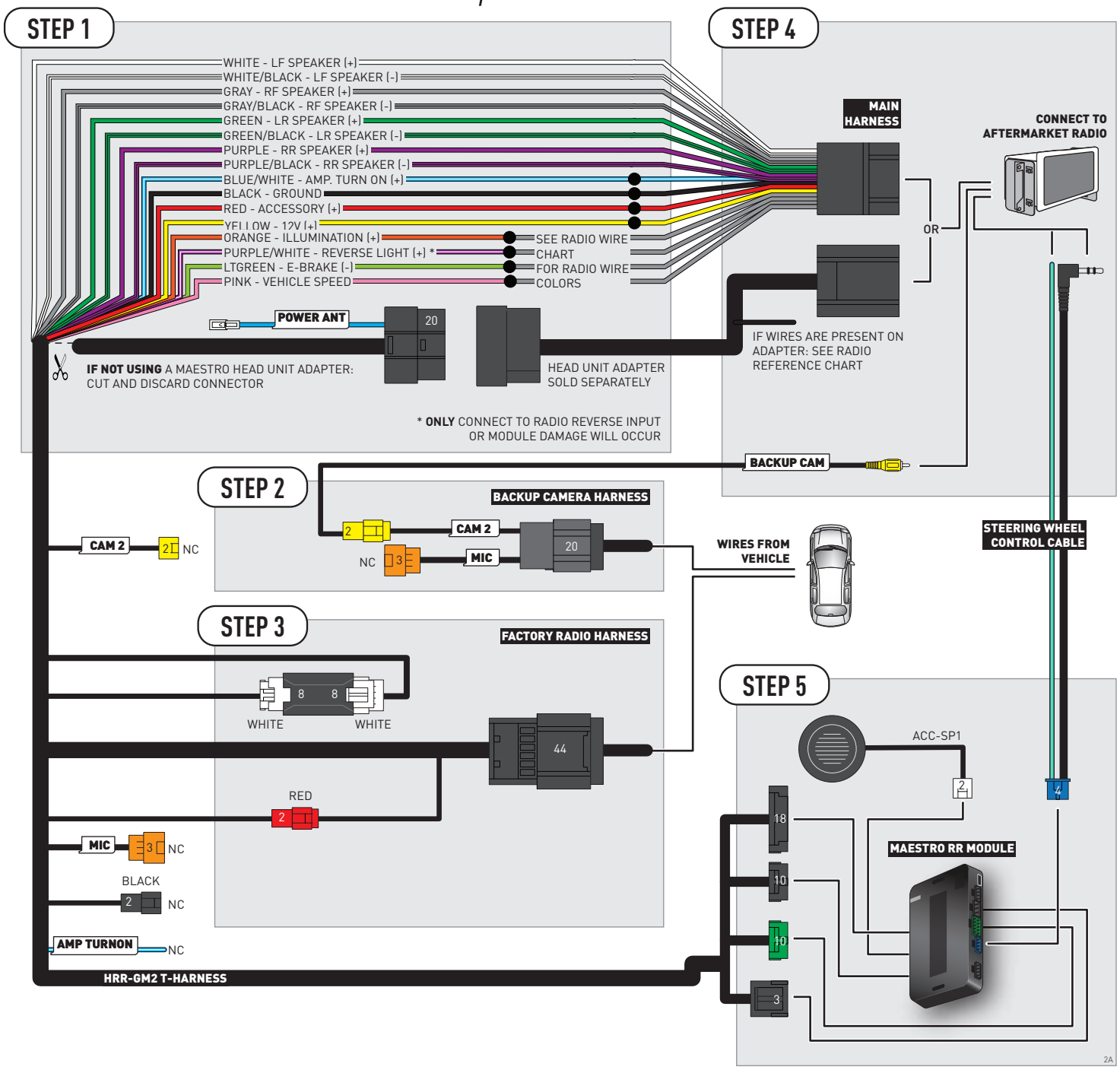
Turn signal level - activate either turn signal.

Warning chime level - turn headlight switch to parking light position (not AUTO).

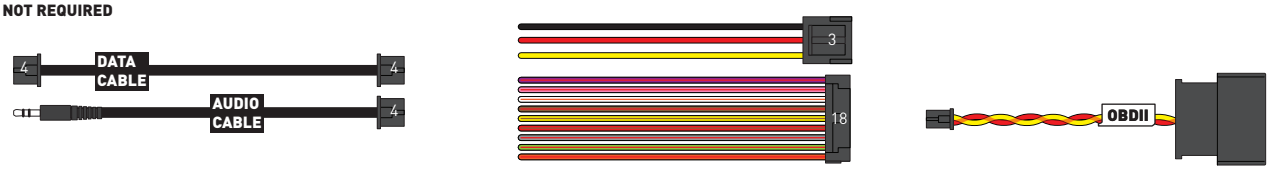
- Adjust volume using steering wheel volume up/down OR dimmer switch. If using dimmer switch, ensure headlight switch is NOT set to AUTO.

Automotive Data Solutions Inc. © 2023

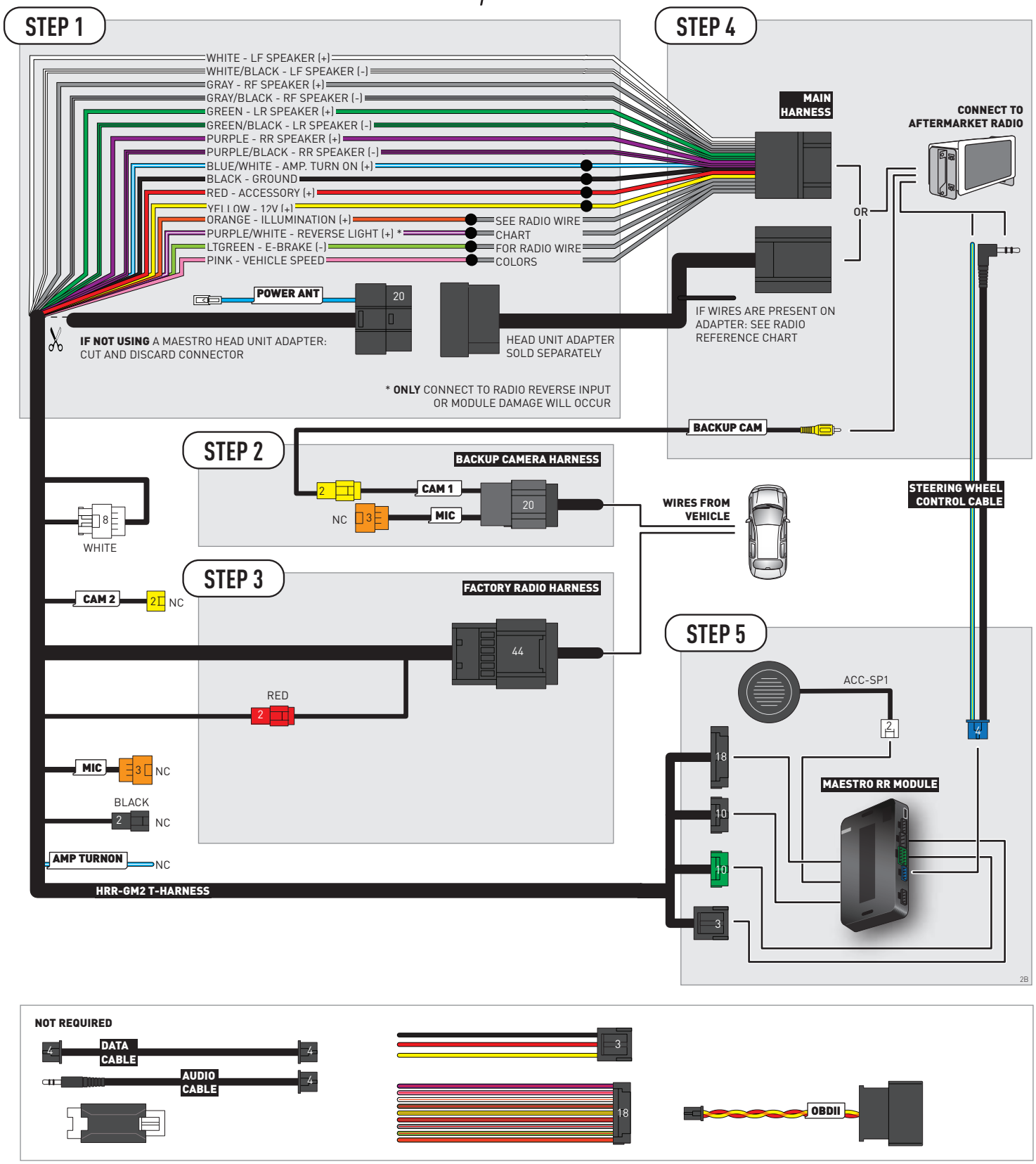
WIRING DIAGRAM *with an Amplifier*



NOT REQUIRED



WIRING DIAGRAM *without an Amplifier*



RADIO WIRE REFERENCE CHART

GM5+ (GM2) T-harness Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/ JVC cable	Wire Color on Pioneer cable	Wire Color on Sony cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light*	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A
Power Antenna	(+)	Blue	Blue	Blue	Blue/White	Blue or Blue/White

Head unit adapter wiring (optional accessory, sold separately)

ACC-HU-ALP1 Wire Description	Polarity	Wire Color on Adapter	Alpine Radio
VSS (vehicle speed sensor)	(DATA)	Green/White	Green/White

ACC-HU-KEN1 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
CAM	(+)	Green/Red	Refer to camera/radio manual
CAM	(-)	Green/White	Refer to camera/radio manual
Steering Wheel Controls	(DATA)	Blue/Yellow	Connect if no iDatalink 4-pin port on radio

ACC-HU-KEN2 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
E-Brake	(-)	LtGreen	LtGreen
Reverse Light*	(+)	Purple/White	Purple/White
Steering Wheel Controls	(DATA)	Blue/Yellow	Connect if no iDatalink 4-pin port on radio

* Reverse light wire: Only connect to radio or module damage will occur.

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 (RR2) Bluetooth activity	LED STATUS	DIAGNOSTIC
● or ●		RED or GREEN flashing	LED flashes 1 or more times, either red or green, **when a steering wheel button is pressed** : normal operation.
●		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do NOT use DEMO MODE.
●		1 GREEN flash	After radio boots up : Normal operation.
	●	3 GREEN flashes	Bluetooth is activated. Turns off after one minute: Normal operation.
●	●	OFF	Normal operation (inactive).

VIDEO HELP		Installation, product information, vehicle specific videos.
VERIFY FLASH		Last flash information, steering control configuration, vehicle information.
WEBLINK		Software to program module.

TROUBLESHOOTING TABLE P1 /2

PROBLEM	SOLUTION
Steering wheel controls do not work but LED on the Maestro does blink when steering wheel buttons are pressed.	Ensure the blue 4-pin steering wheel control cable is connected between the Maestro and the radio. The radio will use either the 3.5mm jack OR the blue/yellow wire, not both. Connect the 3.5mm jack from the Maestro blue 4-pin cable to the radio's 3.5mm port (labeled steering, remote, or wheel). If no such port exists, wire the blue/yellow to blue/yellow (Kenwood/JVC) or to the radio's Key 1 wire (brands not listed/other) and secure the 3.5mm jack. It will not be used. Verify the buttons are set up in the flash. If any button is set to "none" for "press once", it will do nothing. "Hold" column can be left as none and the "press once" function will operate with one press and when holding the button. Refer to radio's owner's manual to verify if the radio has this function: • JVC/Kenwood : Steering Wheel Control (ON/OFF): choose ON • Nakamichi : if model is listed, ensure PAC mode is on. If "other", learn the buttons in the radio steering wheel menu. • Sony : Steering Wheel Control (Custom/Preset): choose Preset. If phone buttons do not operate properly, flash the module as Pioneer – 2009 and newer with BT. Then select "custom" instead of "preset" and learn the buttons in the radio menu. • Other brands – radio should have a steering wheel menu to learn the buttons. You may have to select type A/B/C/1/2/3 and try learning again if buttons are not saving. Refer to radio manufacturer's tech support for further advice if not learning properly.
Radio does not turn on.	Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.
No sound from OnStar and/or no warning or turn signal chimes.	Plug the chime speaker in. Only turn signal chimes not working - verify "Turn Signal Reminder" is set to "Click in speaker" when programming the Maestro module. Chimes not working, but OnStar is - If vehicle was factory amplified and is now bypassed, ensure "Factory Amplifier" is turned off on the "Select how to configure your system" page when programming the Maestro module.
No sound from the Bose system (If equipped).	Make sure the amplifier turn on wire (Blue/White) of the T-Harness is connected to the radio's amplifier turn on wire. When flashing the Maestro make sure that the Amplifier in OEM Systems to Retain is selected. Make sure the RCA's are connected to the radio or the speaker wires are connected depending on your installation method.
Audio is very quiet or very loud.	Non amplified vehicles: ensure the AMP adapter is NOT plugged in between the white 8 pin plugs. Amplified vehicles: ensure the AMP adapter IS plugged in between the white 8 pin plugs.
(Vehicle using a GM2 harness only) Backup camera is not working and displays a black screen on radio when in reverse.	Ensure the 2-pin yellow plug is connected as shown on the diagram.
The light on the Maestro is flashing **RED ONCE**.	There is no firmware on the module; flash the RR module. DO NOT use demo mode.

TROUBLESHOOTING TABLE P2 /2

MAESTRO RR RESET PROCEDURE:

Turn the key to the OFF position, then disconnect all connectors from the module.
Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).
Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds to show the reset was successful.

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

IMPORTANT: To ensure proper operation, the aftermarket radio needs to have the latest firmware from the manufacturer. Please visit the radio manufacturer's website and look for any updates pertaining to your radio.

INSTALL GUIDE

2008-2023
GMC SAVANA
WITHOUT NAV

RETAINS STEERING WHEEL CONTROLS, ONSTAR, BLUETOOTH AND MORE!



PRODUITS REQUIS
Interface de remplacement d'autoradio: iDatalink Maestro RR ou RR2
Câblage : iDatalink Maestro HRR-GM5+

PROGRAMMED FIRMWARE
ADS-RR(SR)-GM05-AS

ADDITIONAL RESOURCES
Maestro RR2 Programmable Outputs Guide

OPTIONAL ACCESSORIES

ACC-SP1

HEAD UNIT ADAPTER:
ACC-HU-PI01, SON1, KEN1, KEN2, ALP1

NOTICE: Automotive Data Solutions Inc. (ADS) recommends having this installation performed by a certified technician. Logos and trademarks used here in are the properties of their respective owners.

WELCOME

Congratulations on the purchase of your iDatalink Maestro RR Radio replacement solution. You are now a few simple steps away from enjoying your new car radio with enhanced features.

Before starting your installation, please ensure that your iDatalink Maestro module is programmed with the correct firmware for your vehicle and that you carefully review the install guide.

Please note that Maestro RR will only retain functionalities that were originally available in the vehicle.

TABLE OF CONTENTS

Before Installing	3
Installation Instructions	4
Wiring Diagram with an Amplifier	5
Wiring Diagram without an Amplifier	6
Radio Wire Reference Chart	7
Module Diagnostics	8
Troubleshooting Table	9

NEED HELP?

1 866 427-2999

maestro.support@idatalink.com

BEFORE INSTALLING P1 /1

STEP 1

DETERMINE IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

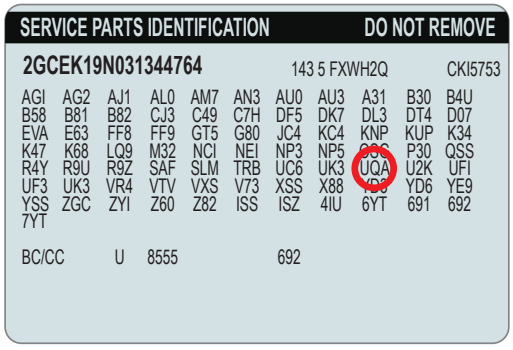
METHOD 1: Look for the following logos in the vehicle. They are usually on the speaker covers or on the radio unit. If you find any of the following logos Bose, Pioneer or Monsoon, you have a factory amplifier.

BOSE

Pioneer

MONSOON

METHOD 2: Look for the following sticker in the glove box. This sticker will indicate all the Regular Production Option (RPO) codes. If you find any of the following codes UQA, UQS or UQG, you have a factory amplifier.


SERVICE PARTS IDENTIFICATION DO NOT REMOVE

2GCEK19N031344764 143 5 FXWH2Q CKI5753

AGI	AG2	AJ1	AL0	AM7	AN3	AU0	AU3	A31	B30	B4U
B58	B81	B82	CJ3	C49	C7H	DF5	DK7	DL3	DT4	D07
EVA	E63	FF8	FF9	GT5	G80	JC4	KC4	KNP	KUP	K34
K47	K68	LQ9	M32	NCI	NEI	NP3	NP5	QQS	P30	QSS
R4Y	R9U	R9Z	SAF	SLM	TRB	UC6	UK3	UQA	U2K	UFI
UF3	UK3	VR4	VTV	VXS	V73	XSS	X88	YD5	YD6	YE9
YSS	ZGC	ZYI	Z60	Z82	ISS	ISZ	4IU	6YT	691	692
7YT										

BC/CC U 8555 692

STEP 2

IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **with an amplifier** and read the "**AMPLIFIER ONLY**" note to determine if you should use rca's or level matching circuits.

IF YOUR VEHICLE NOT IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **without an amplifier**.

Automotive Data Solutions Inc. © 2023

INSTALLATION INSTRUCTIONS P1/1

STEP 1

Remove the factory radio

If using head unit adapter (sold separately), connect HRR-GM5+ harness to adapter and skip to step 2.

- Unbox the aftermarket radio and locate its main harness.
- Cut and remove the black 20 pin connector from the HRR-GM5+ T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the HRR-GM5+ T-harness and match the wire functions.

  Note: only connect purple/white wire to radio reverse input or module damage will occur.

STEP 2

- Connect the factory harness to the HRR-GM5+ T-harness.
- Without AMP: Ensure that the WHITE 8 pin plugs are connected.
- With AMP: Connect the HRR-GM5+ 8 pin WHITE connectors to the AMP adapter.

STEP 3

- Plug the harnesses into the aftermarket radio.
- Connect the backup camera RCA cable into the aftermarket radio.
- With AMP: Connect the Center and SUB RCA cables.
- Plug the steering wheel control cable into the aftermarket radio.

STEP 4

- Connect the ACC-SP1 speaker to Maestro module.
- Connect all the harnesses to the Maestro RR module then test your installation.

OnStar, turn signal volume, or warning chime adjust:

- Turn ignition (IGN) on
- Open driver's door

Select to adjust:

OnStar level - Press OnStar button.

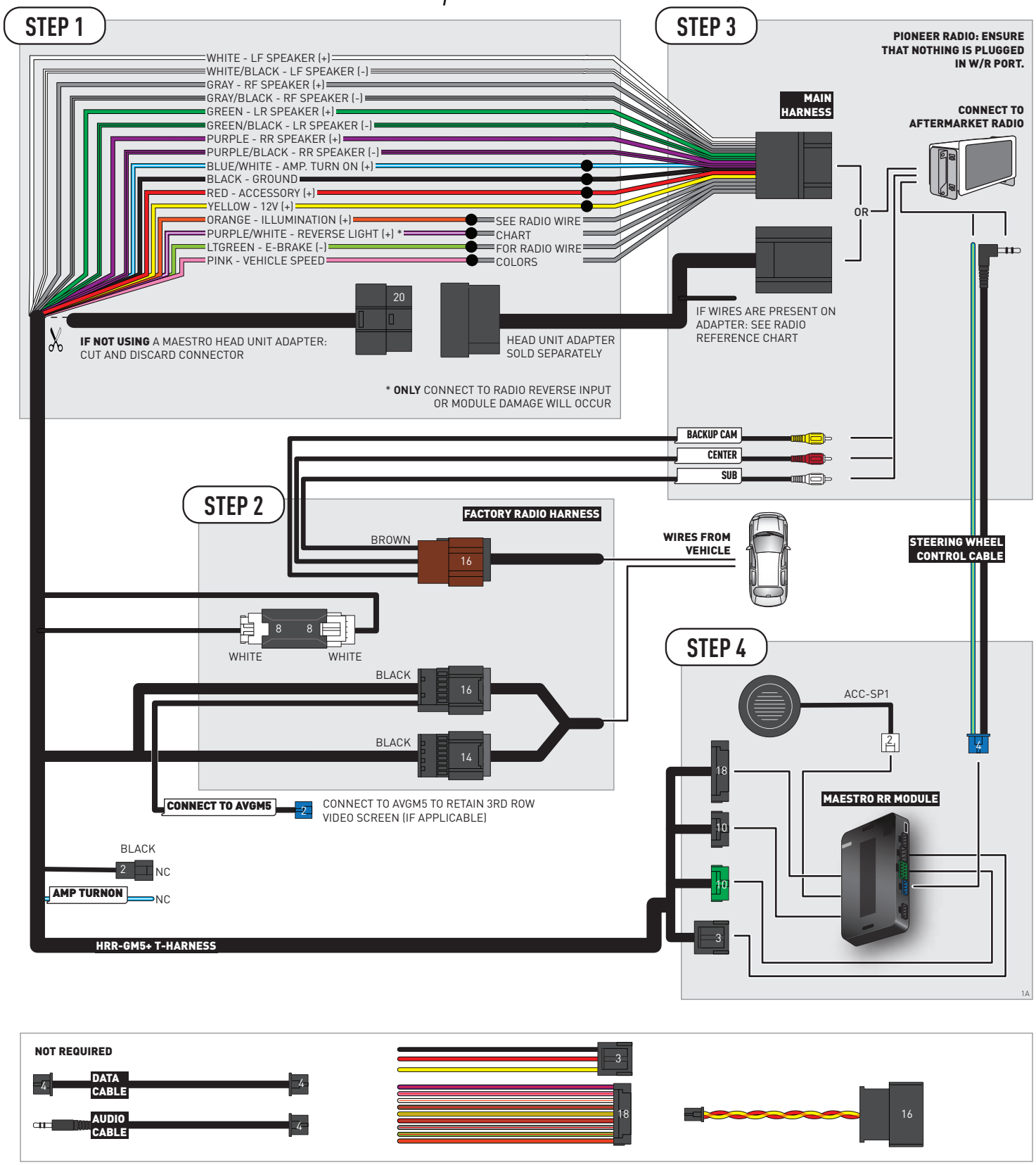
Turn signal level - activate either turn signal.

Warning chime level - turn headlight switch to parking light position (not AUTO).

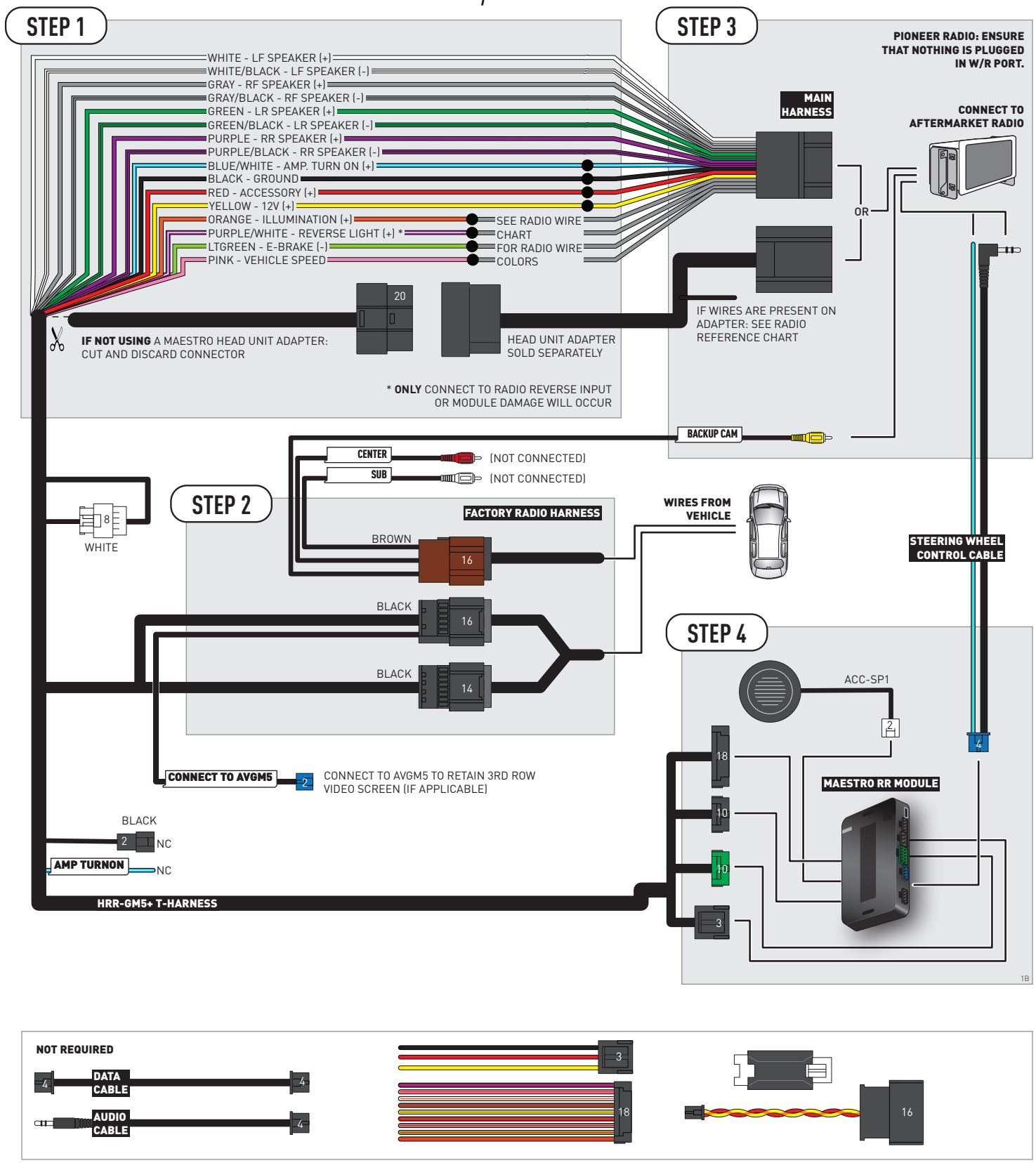
- Adjust volume using steering wheel volume up/down OR dimmer switch. If using dimmer switch, ensure headlight switch is NOT set to AUTO.

1

WIRING DIAGRAM *with an Amplifier*



WIRING DIAGRAM *without an Amplifier*



RADIO WIRE REFERENCE CHART

GM5+ (GM2) T-harness Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/ JVC cable	Wire Color on Pioneer cable	Wire Color on Sony cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light*	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A
Power Antenna	(+)	Blue	Blue	Blue	Blue/White	Blue or Blue/White

Head unit adapter wiring (optional accessory, sold separately)

ACC-HU-ALP1 Wire Description	Polarity	Wire Color on Adapter	Alpine Radio
VSS (vehicle speed sensor)	(DATA)	Green/White	Green/White

ACC-HU-KEN1 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
CAM	(+)	Green/Red	Refer to camera/radio manual
CAM	(-)	Green/White	Refer to camera/radio manual
Steering Wheel Controls	(DATA)	Blue/Yellow	Connect if no iDatalink 4-pin port on radio

ACC-HU-KEN2 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
E-Brake	(-)	LtGreen	LtGreen
Reverse Light*	(+)	Purple/White	Purple/White
Steering Wheel Controls	(DATA)	Blue/Yellow	Connect if no iDatalink 4-pin port on radio

* Reverse light wire: Only connect to radio or module damage will occur.

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 (RR2) Bluetooth activity	LED STATUS	DIAGNOSTIC
● or ●		RED or GREEN flashing	LED flashes 1 or more times, either red or green, **when a steering wheel button is pressed** : normal operation.
●		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do NOT use DEMO MODE.
●		1 GREEN flash	After radio boots up : Normal operation.
	●	3 GREEN flashes	Bluetooth is activated. Turns off after one minute: Normal operation.
●	●	OFF	Normal operation (inactive).

VIDEO HELP		Installation, product information, vehicle specific videos.
VERIFY FLASH		Last flash information, steering control configuration, vehicle information.
WEBLINK		Software to program module.

TROUBLESHOOTING TABLE P1 /2

PROBLEM	SOLUTION
Steering wheel controls do not work but LED on the Maestro does blink when steering wheel buttons are pressed.	Ensure the blue 4-pin steering wheel control cable is connected between the Maestro and the radio. The radio will use either the 3.5mm jack OR the blue/yellow wire, not both. Connect the 3.5mm jack from the Maestro blue 4-pin cable to the radio's 3.5mm port (labeled steering, remote, or wheel). If no such port exists, wire the blue/yellow to blue/yellow (Kenwood/JVC) or to the radio's Key 1 wire (brands not listed/other) and secure the 3.5mm jack. It will not be used. Verify the buttons are set up in the flash. If any button is set to "none" for "press once", it will do nothing. "Hold" column can be left as none and the "press once" function will operate with one press and when holding the button. Refer to radio's owner's manual to verify if the radio has this function: • JVC/Kenwood : Steering Wheel Control (ON/OFF): choose ON • Nakamichi : if model is listed, ensure PAC mode is on. If "other", learn the buttons in the radio steering wheel menu. • Sony : Steering Wheel Control (Custom/Preset): choose Preset. If phone buttons do not operate properly, flash the module as Pioneer – 2009 and newer with BT. Then select "custom" instead of "preset" and learn the buttons in the radio menu. • Other brands – radio should have a steering wheel menu to learn the buttons. You may have to select type A/B/C/1/2/3 and try learning again if buttons are not saving. Refer to radio manufacturer's tech support for further advice if not learning properly.
Radio does not turn on.	Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.
No sound from OnStar and/or no warning or turn signal chimes.	Plug the chime speaker in. Only turn signal chimes not working - verify "Turn Signal Reminder" is set to "Click in speaker" when programming the Maestro module. Chimes not working, but OnStar is - If vehicle was factory amplified and is now bypassed, ensure "Factory Amplifier" is turned off on the "Select how to configure your system" page when programming the Maestro module.
No sound from the Bose system (If equipped).	Make sure the amplifier turn on wire (Blue/White) of the T-Harness is connected to the radio's amplifier turn on wire. When flashing the Maestro make sure that the Amplifier in OEM Systems to Retain is selected. Make sure the RCA's are connected to the radio or the speaker wires are connected depending on your installation method.
Audio is very quiet or very loud.	Non amplified vehicles: ensure the AMP adapter is NOT plugged in between the white 8 pin plugs. Amplified vehicles: ensure the AMP adapter IS plugged in between the white 8 pin plugs.
(Vehicle using a GM2 harness only) Backup camera is not working and displays a black screen on radio when in reverse.	Ensure the 2-pin yellow plug is connected as shown on the diagram.
The light on the Maestro is flashing **RED ONCE**.	There is no firmware on the module; flash the RR module. DO NOT use demo mode.

TROUBLESHOOTING TABLE P2 /2

MAESTRO RR RESET PROCEDURE:

Turn the key to the OFF position, then disconnect all connectors from the module.
Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).
Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds to show the reset was successful.

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

IMPORTANT: To ensure proper operation, the aftermarket radio needs to have the latest firmware from the manufacturer. Please visit the radio manufacturer's website and look for any updates pertaining to your radio.

INSTALL GUIDE

2007-2011
GMC SIERRA 1500

RETAINS STEERING WHEEL CONTROLS, ONSTAR, BLUETOOTH AND MORE!



PRODUITS REQUIS
Interface de remplacement d'autoradio: iDatalink Maestro RR ou RR2
Câblage : iDatalink Maestro HRR-GM5+

PROGRAMMED FIRMWARE
ADS-RR(SR)-GM05-AS

ADDITIONAL RESOURCES
Maestro RR2 Programmable Outputs Guide

OPTIONAL ACCESSORIES

ACC-SP1

HEAD UNIT ADAPTER:
ACC-HU-PIO1, SON1, KEN1, KEN2, ALP1

NOTICE: Automotive Data Solutions Inc. (ADS) recommends having this installation performed by a certified technician. Logos and trademarks used here in are the properties of their respective owners.

WELCOME

Congratulations on the purchase of your iDatalink Maestro RR Radio replacement solution. You are now a few simple steps away from enjoying your new car radio with enhanced features.

Before starting your installation, please ensure that your iDatalink Maestro module is programmed with the correct firmware for your vehicle and that you carefully review the install guide.

Please note that Maestro RR will only retain functionalities that were originally available in the vehicle.

TABLE OF CONTENTS

Before Installing	3
Installation Instructions	4
Wiring Diagram with an Amplifier	5
Wiring Diagram without an Amplifier	6
Radio Wire Reference Chart	7
Module Diagnostics	8
Troubleshooting Table	9

NEED HELP?

1 866 427-2999

maestro.support@idatalink.com

BEFORE INSTALLING P1 /1

STEP 1

DETERMINE IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

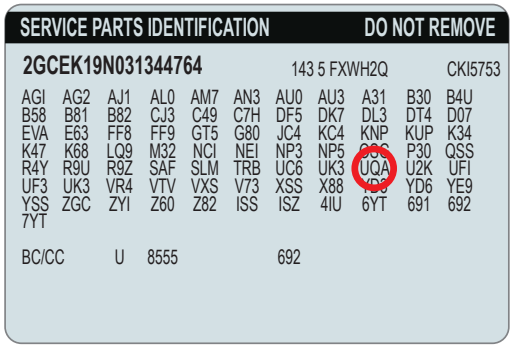
METHOD 1: Look for the following logos in the vehicle. They are usually on the speaker covers or on the radio unit. If you find any of the following logos Bose, Pioneer or Monsoon, you have a factory amplifier.

BOSE

Pioneer

MONSOON

METHOD 2: Look for the following sticker in the glove box. This sticker will indicate all the Regular Production Option (RPO) codes. If you find any of the following codes UQA, UQS or UQG, you have a factory amplifier.



STEP 2

IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **with an amplifier** and read the "**AMPLIFIER ONLY**" note to determine if you should use rca's or level matching circuits.

IF YOUR VEHICLE NOT IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **without an amplifier**.

Automotive Data Solutions Inc. © 2023

INSTALLATION INSTRUCTIONS P1/1

STEP 1

Remove the factory radio

If using head unit adapter (sold separately), connect HRR-GM5+ harness to adapter and skip to step 2.

- Unbox the aftermarket radio and locate its main harness.
- Cut and remove the black 20 pin connector from the HRR-GM5+ T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the HRR-GM5+ T-harness and match the wire functions.

  Note: only connect purple/white wire to radio reverse input or module damage will occur.

STEP 2

- Connect the factory harness to the HRR-GM5+ T-harness.
- Without AMP: Ensure that the WHITE 8 pin plugs are connected.
- With AMP: Connect the HRR-GM5+ 8 pin WHITE connectors to the AMP adapter.

STEP 3

- Plug the harnesses into the aftermarket radio.
- Connect the backup camera RCA cable into the aftermarket radio.
- With AMP: Connect the Center and SUB RCA cables.
- Plug the steering wheel control cable into the aftermarket radio.

STEP 4

- Connect the ACC-SP1 speaker to Maestro module.
- Connect all the harnesses to the Maestro RR module then test your installation.

OnStar, turn signal volume, or warning chime adjust:

- Turn ignition (IGN) on
- Open driver's door

Select to adjust:

OnStar level - Press OnStar button.

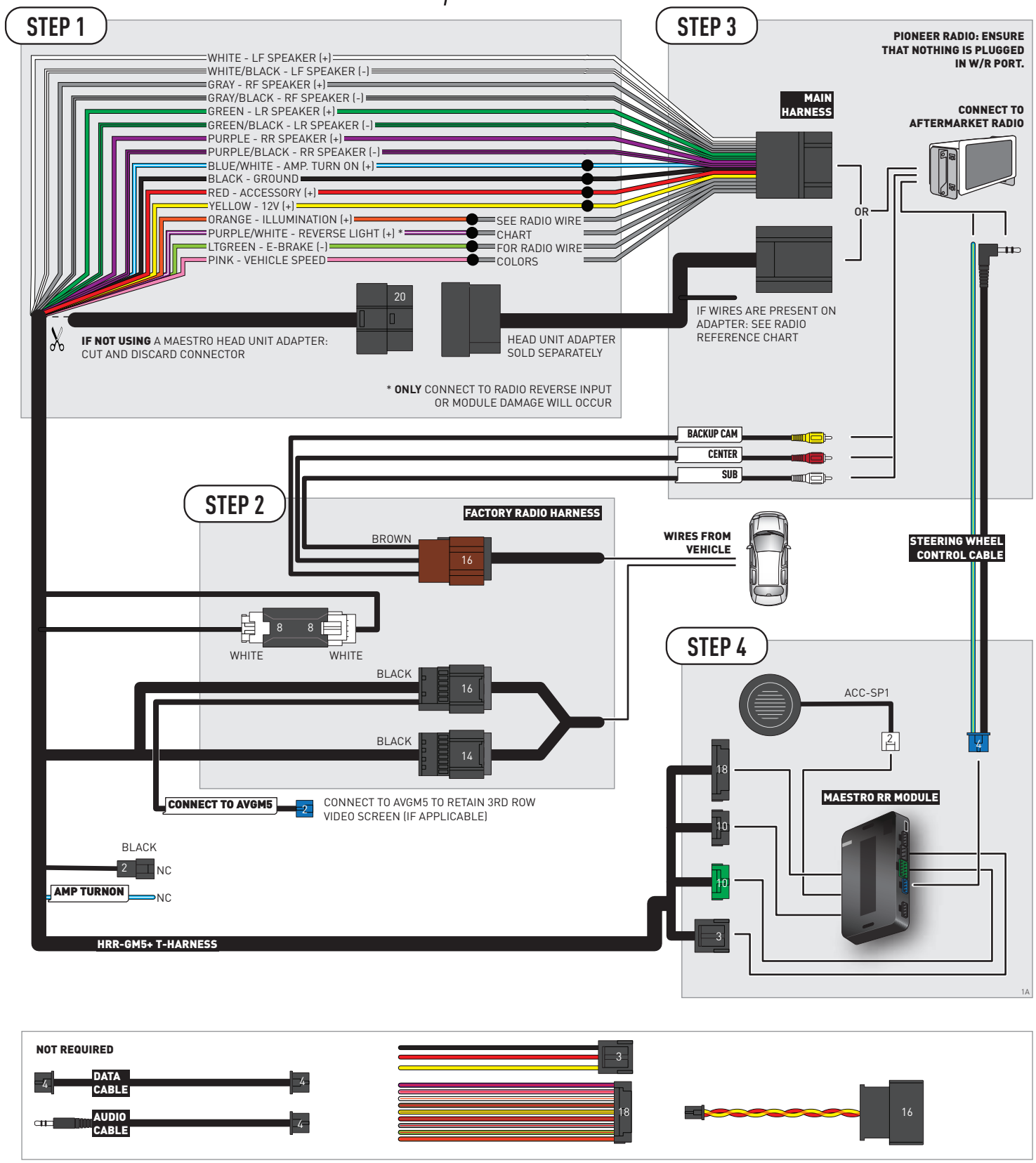
Turn signal level - activate either turn signal.

Warning chime level - turn headlight switch to parking light position (not AUTO).

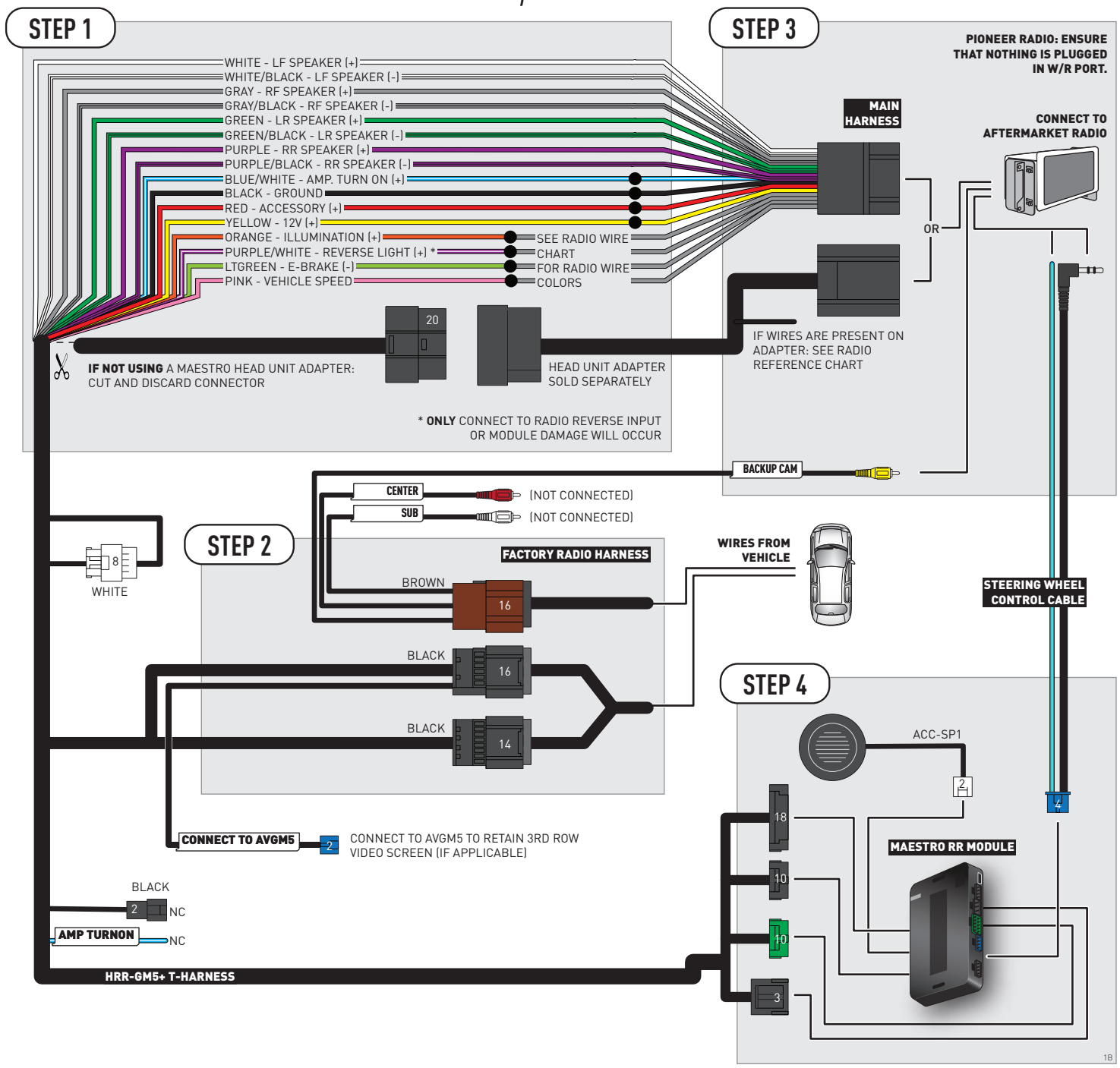
- Adjust volume using steering wheel volume up/down OR dimmer switch. If using dimmer switch, ensure headlight switch is NOT set to AUTO.

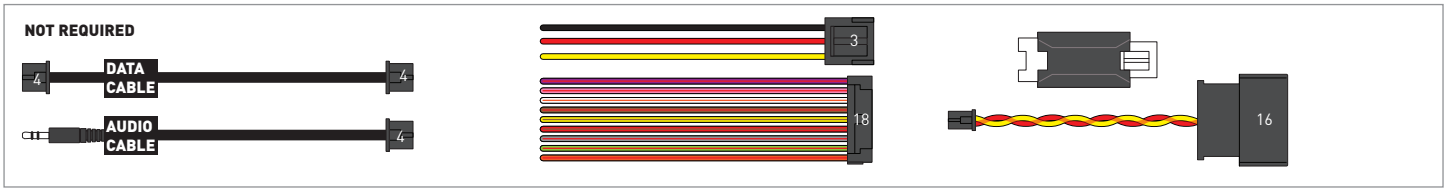
1

WIRING DIAGRAM *with an Amplifier*



WIRING DIAGRAM *without an Amplifier*





RADIO WIRE REFERENCE CHART

GM5+ (GM2) T-harness Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/ JVC cable	Wire Color on Pioneer cable	Wire Color on Sony cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light*	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A
Power Antenna	(+)	Blue	Blue	Blue	Blue/White	Blue or Blue/White

Head unit adapter wiring (optional accessory, sold separately)

ACC-HU-ALP1 Wire Description	Polarity	Wire Color on Adapter	Alpine Radio
VSS (vehicle speed sensor)	(DATA)	Green/White	Green/White

ACC-HU-KEN1 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
CAM	(+)	Green/Red	Refer to camera/radio manual
CAM	(-)	Green/White	Refer to camera/radio manual
Steering Wheel Controls	(DATA)	Blue/Yellow	Connect if no iDatalink 4-pin port on radio

ACC-HU-KEN2 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
E-Brake	(-)	LtGreen	LtGreen
Reverse Light*	(+)	Purple/White	Purple/White
Steering Wheel Controls	(DATA)	Blue/Yellow	Connect if no iDatalink 4-pin port on radio

* Reverse light wire: Only connect to radio or module damage will occur.

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 (RR2) Bluetooth activity	LED STATUS	DIAGNOSTIC
● or ●		RED or GREEN flashing	LED flashes 1 or more times, either red or green, **when a steering wheel button is pressed** : normal operation.
●		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do NOT use DEMO MODE.
●		1 GREEN flash	After radio boots up : Normal operation.
	●	3 GREEN flashes	Bluetooth is activated. Turns off after one minute: Normal operation.
●	●	OFF	Normal operation (inactive).

VIDEO HELP		Installation, product information, vehicle specific videos.
VERIFY FLASH		Last flash information, steering control configuration, vehicle information.
WEBLINK		Software to program module.

TROUBLESHOOTING TABLE P1 /2

PROBLEM	SOLUTION
Steering wheel controls do not work but LED on the Maestro does blink when steering wheel buttons are pressed.	Ensure the blue 4-pin steering wheel control cable is connected between the Maestro and the radio. The radio will use either the 3.5mm jack OR the blue/yellow wire, not both. Connect the 3.5mm jack from the Maestro blue 4-pin cable to the radio's 3.5mm port (labeled steering, remote, or wheel). If no such port exists, wire the blue/yellow to blue/yellow (Kenwood/JVC) or to the radio's Key 1 wire (brands not listed/other) and secure the 3.5mm jack. It will not be used. Verify the buttons are set up in the flash. If any button is set to "none" for "press once", it will do nothing. "Hold" column can be left as none and the "press once" function will operate with one press and when holding the button. Refer to radio's owner's manual to verify if the radio has this function: • JVC/Kenwood : Steering Wheel Control (ON/OFF): choose ON • Nakamichi : if model is listed, ensure PAC mode is on. If "other", learn the buttons in the radio steering wheel menu. • Sony : Steering Wheel Control (Custom/Preset): choose Preset. If phone buttons do not operate properly, flash the module as Pioneer – 2009 and newer with BT. Then select "custom" instead of "preset" and learn the buttons in the radio menu. • Other brands – radio should have a steering wheel menu to learn the buttons. You may have to select type A/B/C/1/2/3 and try learning again if buttons are not saving. Refer to radio manufacturer's tech support for further advice if not learning properly.
Radio does not turn on.	Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.
No sound from OnStar and/or no warning or turn signal chimes.	Plug the chime speaker in. Only turn signal chimes not working - verify "Turn Signal Reminder" is set to "Click in speaker" when programming the Maestro module. Chimes not working, but OnStar is - If vehicle was factory amplified and is now bypassed, ensure "Factory Amplifier" is turned off on the "Select how to configure your system" page when programming the Maestro module.
No sound from the Bose system (If equipped).	Make sure the amplifier turn on wire (Blue/White) of the T-Harness is connected to the radio's amplifier turn on wire. When flashing the Maestro make sure that the Amplifier in OEM Systems to Retain is selected. Make sure the RCA's are connected to the radio or the speaker wires are connected depending on your installation method.
Audio is very quiet or very loud.	Non amplified vehicles: ensure the AMP adapter is NOT plugged in between the white 8 pin plugs. Amplified vehicles: ensure the AMP adapter IS plugged in between the white 8 pin plugs.
(Vehicle using a GM2 harness only) Backup camera is not working and displays a black screen on radio when in reverse.	Ensure the 2-pin yellow plug is connected as shown on the diagram.
The light on the Maestro is flashing **RED ONCE**.	There is no firmware on the module; flash the RR module. DO NOT use demo mode.

TROUBLESHOOTING TABLE P2 /2

MAESTRO RR RESET PROCEDURE:

Turn the key to the OFF position, then disconnect all connectors from the module.
Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).
Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds to show the reset was successful.

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

IMPORTANT: To ensure proper operation, the aftermarket radio needs to have the latest firmware from the manufacturer. Please visit the radio manufacturer's website and look for any updates pertaining to your radio.

INSTALL GUIDE

2012-2013
GMC SIERRA 1500
WITH NAV

RETAINS STEERING WHEEL CONTROLS, ONSTAR, BLUETOOTH AND MORE!



PRODUITS REQUIS
Interface de remplacement d'autoradio: iDatalink Maestro RR ou RR2
Câblage : iDatalink Maestro HRR-GM2

PROGRAMMED FIRMWARE
ADS-RR(SR)-GM05-AS

ADDITIONAL RESOURCES
Maestro RR2 Programmable Outputs Guide

OPTIONAL ACCESSORIES

ACC-SP1

HEAD UNIT ADAPTER:
ACC-HU-PI01, S0N1, KEN1, KEN2, ALP1

NOTICE: Automotive Data Solutions Inc. (ADS) recommends having this installation performed by a certified technician. Logos and trademarks used here in are the properties of their respective owners.

WELCOME

Congratulations on the purchase of your iDatalink Maestro RR Radio replacement solution. You are now a few simple steps away from enjoying your new car radio with enhanced features.

Before starting your installation, please ensure that your iDatalink Maestro module is programmed with the correct firmware for your vehicle and that you carefully review the install guide.

Please note that Maestro RR will only retain functionalities that were originally available in the vehicle.

TABLE OF CONTENTS

Before Installing	3
Installation Instructions	4
Wiring Diagram with an Amplifier	5
Wiring Diagram without an Amplifier	6
Radio Wire Reference Chart	7
Module Diagnostics	8
Troubleshooting Table	9

NEED HELP?

1 866 427-2999

maestro.support@idatalink.com

BEFORE INSTALLING P1 /1

STEP 1

DETERMINE IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

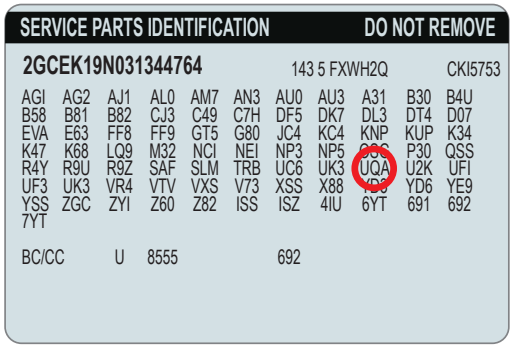
METHOD 1: Look for the following logos in the vehicle. They are usually on the speaker covers or on the radio unit. If you find any of the following logos Bose, Pioneer or Monsoon, you have a factory amplifier.

BOSE

Pioneer

MONSOON

METHOD 2: Look for the following sticker in the glove box. This sticker will indicate all the Regular Production Option (RPO) codes. If you find any of the following codes UQA, UQS or UQG, you have a factory amplifier.


SERVICE PARTS IDENTIFICATION DO NOT REMOVE

2GCEK19N031344764 143 5 FXWH2Q CKI5753

AGI	AG2	AJ1	AL0	AM7	AN3	AU0	AU3	A31	B30	B4U
B58	B81	B82	CJ3	C49	C7H	DF5	DK7	DL3	DT4	D07
EVA	E63	FF8	FF9	GT5	G80	JC4	KC4	KNP	KUP	K34
K47	K68	LQ9	M32	NCI	NEI	NP3	NP5	QQS	P30	QSS
R4Y	R9U	R9Z	SAF	SLM	TRB	UC6	UK3	UQA	U2K	UFI
UF3	UK3	VR4	VTV	VXS	V73	XSS	X88	YD5	YD6	YE9
YSS	ZGC	ZYI	Z60	Z82	ISS	ISZ	4IU	6YT	691	692
7YT										

BC/CC U 8555 692

STEP 2

IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **with an amplifier** and read the "**AMPLIFIER ONLY**" note to determine if you should use rca's or level matching circuits.

IF YOUR VEHICLE NOT IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **without an amplifier**.

Automotive Data Solutions Inc. © 2023

INSTALLATION INSTRUCTIONS P1/1

STEP 1

Remove the factory radio

If using head unit adapter (sold separately), connect HRR-GM2 harness to adapter and skip to step 2.

- Unbox the aftermarket radio and locate its main harness.
- Cut and remove the black 20 pin connector from the HRR-GM2 T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the HRR-GM2 T-harness and match the wire functions.

  Note: only connect purple/white wire to radio reverse input or module damage will occur.

STEP 2

- Connect the YELLOW 2 pin connector of the backup camera cable to the YELLOW connector (CAM 1) of the backup camera adapter. Connect GRAY connector of adapter to the vehicle backup camera harness.

STEP 3

- Connect the factory harness to the HRR-GM2 T-harness.
- Ensure that the RED 2 pin plugs are connected.
- Without AMP: Ensure that the WHITE 8 pin plugs are connected.
- With AMP: Connect the HRR-GM2 8 pin WHITE connectors to the AMP adapter.

STEP 4

- Plug the harnesses into the aftermarket radio.
- Connect the backup camera RCA cable into the aftermarket radio.
- Plug the steering wheel control cable into the aftermarket radio.

STEP 5

- Connect the ACC-SP1 speaker to Maestro module.
- Connect all the harnesses to the Maestro RR module then test your installation.

OnStar, turn signal volume, or warning chime adjust:

- Turn ignition (IGN) on
- Open driver's door

Select to adjust:

OnStar level - Press OnStar button.

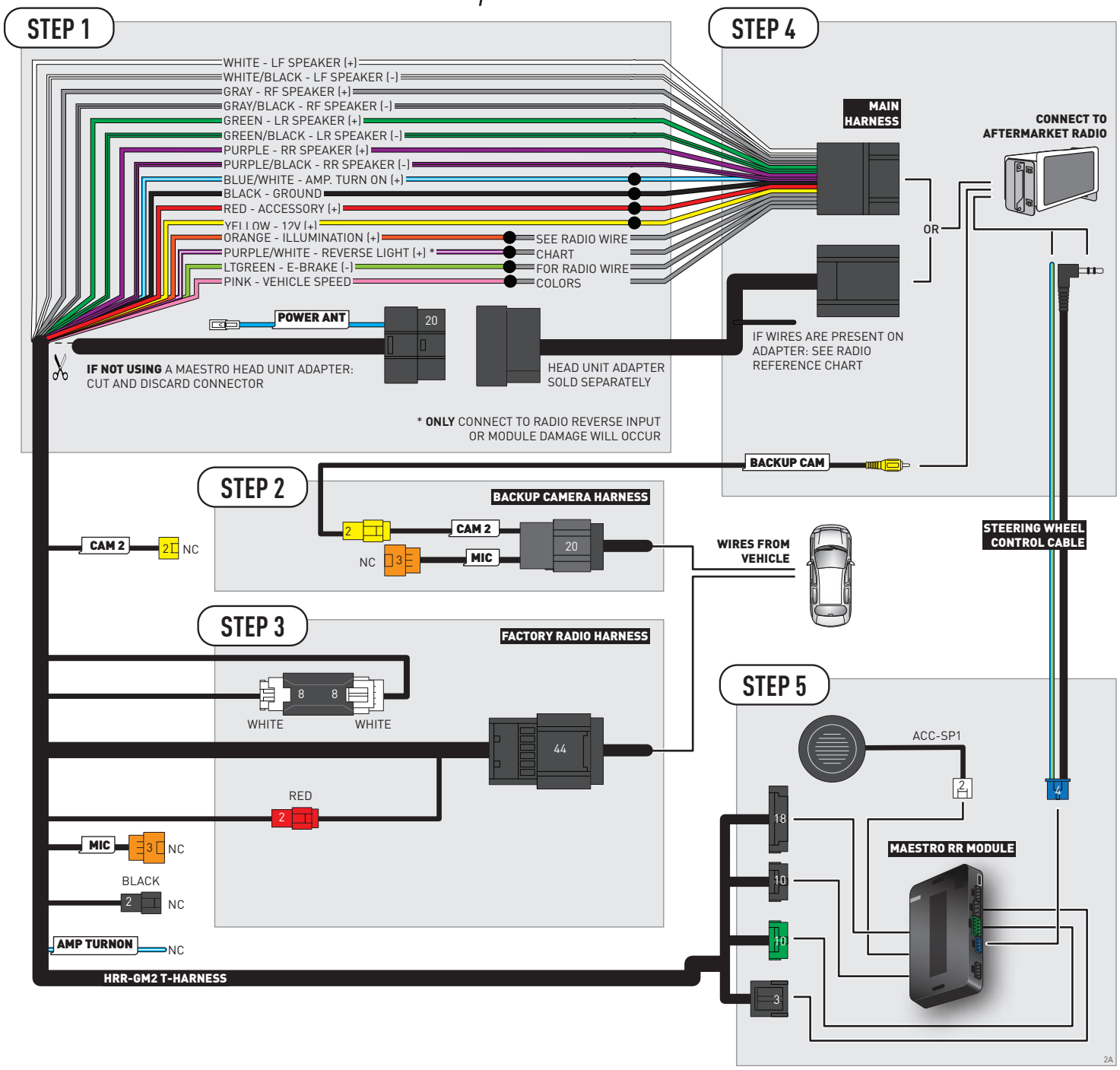
Turn signal level - activate either turn signal.

Warning chime level - turn headlight switch to parking light position (not AUTO).

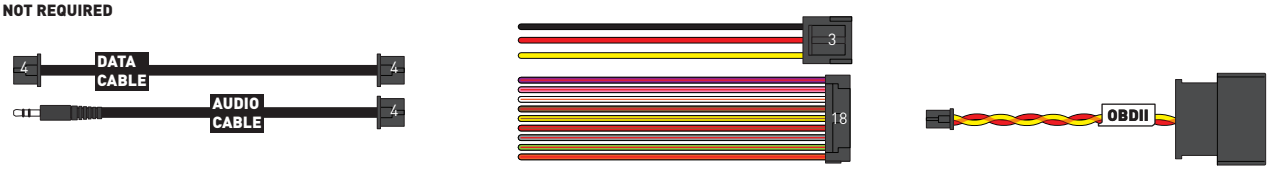
- Adjust volume using steering wheel volume up/down OR dimmer switch. If using dimmer switch, ensure headlight switch is NOT set to AUTO.

Automotive Data Solutions Inc. © 2023

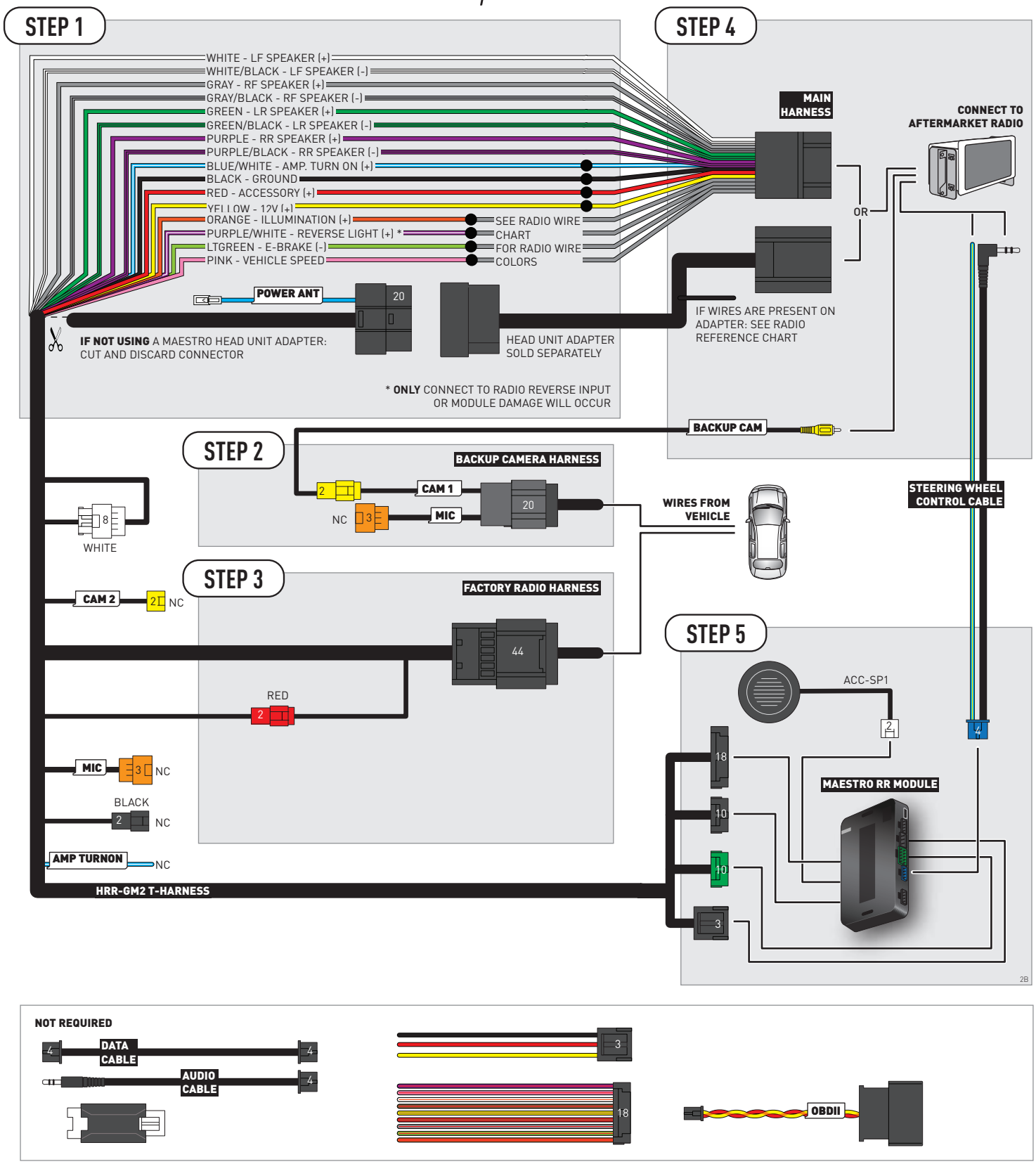
WIRING DIAGRAM *with an Amplifier*



NOT REQUIRED



WIRING DIAGRAM *without an Amplifier*



RADIO WIRE REFERENCE CHART

GM5+ (GM2) T-harness Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/ JVC cable	Wire Color on Pioneer cable	Wire Color on Sony cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light*	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A
Power Antenna	(+)	Blue	Blue	Blue	Blue/White	Blue or Blue/White

Head unit adapter wiring (optional accessory, sold separately)

ACC-HU-ALP1 Wire Description	Polarity	Wire Color on Adapter	Alpine Radio
VSS (vehicle speed sensor)	(DATA)	Green/White	Green/White

ACC-HU-KEN1 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
CAM	(+)	Green/Red	Refer to camera/radio manual
CAM	(-)	Green/White	Refer to camera/radio manual
Steering Wheel Controls	(DATA)	Blue/Yellow	Connect if no iDatalink 4-pin port on radio

ACC-HU-KEN2 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
E-Brake	(-)	LtGreen	LtGreen
Reverse Light*	(+)	Purple/White	Purple/White
Steering Wheel Controls	(DATA)	Blue/Yellow	Connect if no iDatalink 4-pin port on radio

* Reverse light wire: Only connect to radio or module damage will occur.

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 (RR2) Bluetooth activity	LED STATUS	DIAGNOSTIC
● or ●		RED or GREEN flashing	LED flashes 1 or more times, either red or green, **when a steering wheel button is pressed** : normal operation.
●		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do NOT use DEMO MODE.
●		1 GREEN flash	After radio boots up : Normal operation.
	●	3 GREEN flashes	Bluetooth is activated. Turns off after one minute: Normal operation.
●	●	OFF	Normal operation (inactive).

VIDEO HELP		Installation, product information, vehicle specific videos.
VERIFY FLASH		Last flash information, steering control configuration, vehicle information.
WEBLINK		Software to program module.

TROUBLESHOOTING TABLE P1 /2

PROBLEM	SOLUTION
Steering wheel controls do not work but LED on the Maestro does blink when steering wheel buttons are pressed.	Ensure the blue 4-pin steering wheel control cable is connected between the Maestro and the radio. The radio will use either the 3.5mm jack OR the blue/yellow wire, not both. Connect the 3.5mm jack from the Maestro blue 4-pin cable to the radio's 3.5mm port (labeled steering, remote, or wheel). If no such port exists, wire the blue/yellow to blue/yellow (Kenwood/JVC) or to the radio's Key 1 wire (brands not listed/other) and secure the 3.5mm jack. It will not be used. Verify the buttons are set up in the flash. If any button is set to "none" for "press once", it will do nothing. "Hold" column can be left as none and the "press once" function will operate with one press and when holding the button. Refer to radio's owner's manual to verify if the radio has this function: • JVC/Kenwood : Steering Wheel Control (ON/OFF): choose ON • Nakamichi : if model is listed, ensure PAC mode is on. If "other", learn the buttons in the radio steering wheel menu. • Sony : Steering Wheel Control (Custom/Preset): choose Preset. If phone buttons do not operate properly, flash the module as Pioneer – 2009 and newer with BT. Then select "custom" instead of "preset" and learn the buttons in the radio menu. • Other brands – radio should have a steering wheel menu to learn the buttons. You may have to select type A/B/C/1/2/3 and try learning again if buttons are not saving. Refer to radio manufacturer's tech support for further advice if not learning properly.
Radio does not turn on.	Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.
No sound from OnStar and/or no warning or turn signal chimes.	Plug the chime speaker in. Only turn signal chimes not working - verify "Turn Signal Reminder" is set to "Click in speaker" when programming the Maestro module. Chimes not working, but OnStar is - If vehicle was factory amplified and is now bypassed, ensure "Factory Amplifier" is turned off on the "Select how to configure your system" page when programming the Maestro module.
No sound from the Bose system (If equipped).	Make sure the amplifier turn on wire (Blue/White) of the T-Harness is connected to the radio's amplifier turn on wire. When flashing the Maestro make sure that the Amplifier in OEM Systems to Retain is selected. Make sure the RCA's are connected to the radio or the speaker wires are connected depending on your installation method.
Audio is very quiet or very loud.	Non amplified vehicles: ensure the AMP adapter is NOT plugged in between the white 8 pin plugs. Amplified vehicles: ensure the AMP adapter IS plugged in between the white 8 pin plugs.
(Vehicle using a GM2 harness only) Backup camera is not working and displays a black screen on radio when in reverse.	Ensure the 2-pin yellow plug is connected as shown on the diagram.
The light on the Maestro is flashing **RED ONCE**.	There is no firmware on the module; flash the RR module. DO NOT use demo mode.

TROUBLESHOOTING TABLE P2 /2

MAESTRO RR RESET PROCEDURE:

Turn the key to the OFF position, then disconnect all connectors from the module.
Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).
Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds to show the reset was successful.

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

IMPORTANT: To ensure proper operation, the aftermarket radio needs to have the latest firmware from the manufacturer. Please visit the radio manufacturer's website and look for any updates pertaining to your radio.

INSTALL GUIDE

2012-2014
GMC SIERRA 1500
WITHOUT NAV

RETAINS STEERING WHEEL CONTROLS, ONSTAR, BLUETOOTH AND MORE!



PRODUITS REQUIS
Interface de remplacement d'autoradio: iDatalink Maestro RR ou RR2
Câblage : iDatalink Maestro HRR-GM5+

PROGRAMMED FIRMWARE
ADS-RR(SR)-GM05-AS

ADDITIONAL RESOURCES
Maestro RR2 Programmable Outputs Guide

OPTIONAL ACCESSORIES

ACC-SP1

HEAD UNIT ADAPTER:
ACC-HU-PI01, SON1, KEN1, KEN2, ALP1

NOTICE: Automotive Data Solutions Inc. (ADS) recommends having this installation performed by a certified technician. Logos and trademarks used here in are the properties of their respective owners.

WELCOME

Congratulations on the purchase of your iDatalink Maestro RR Radio replacement solution. You are now a few simple steps away from enjoying your new car radio with enhanced features.

Before starting your installation, please ensure that your iDatalink Maestro module is programmed with the correct firmware for your vehicle and that you carefully review the install guide.

Please note that Maestro RR will only retain functionalities that were originally available in the vehicle.

TABLE OF CONTENTS

Before Installing	3
Installation Instructions	4
Wiring Diagram with an Amplifier	5
Wiring Diagram without an Amplifier	6
Radio Wire Reference Chart	7
Module Diagnostics	8
Troubleshooting Table	9

NEED HELP?

1 866 427-2999

maestro.support@idatalink.com

BEFORE INSTALLING P1 /1

STEP 1

DETERMINE IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

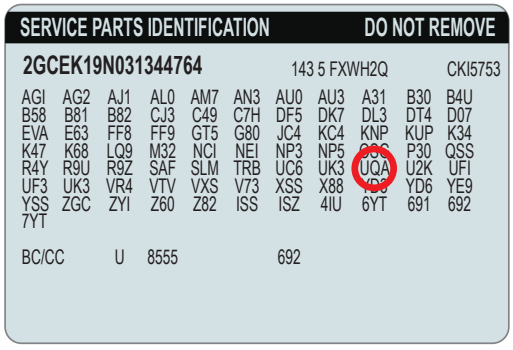
METHOD 1: Look for the following logos in the vehicle. They are usually on the speaker covers or on the radio unit. If you find any of the following logos Bose, Pioneer or Monsoon, you have a factory amplifier.

BOSE

Pioneer

MONSOON

METHOD 2: Look for the following sticker in the glove box. This sticker will indicate all the Regular Production Option (RPO) codes. If you find any of the following codes UQA, UQS or UQG, you have a factory amplifier.



STEP 2

IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **with an amplifier** and read the "**AMPLIFIER ONLY**" note to determine if you should use rca's or level matching circuits.

IF YOUR VEHICLE NOT IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **without an amplifier**.

Automotive Data Solutions Inc. © 2023

INSTALLATION INSTRUCTIONS P1/1

STEP 1

Remove the factory radio

If using head unit adapter (sold separately), connect HRR-GM5+ harness to adapter and skip to step 2.

- Unbox the aftermarket radio and locate its main harness.
- Cut and remove the black 20 pin connector from the HRR-GM5+ T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the HRR-GM5+ T-harness and match the wire functions.

  Note: only connect purple/white wire to radio reverse input or module damage will occur.

STEP 2

- Connect the factory harness to the HRR-GM5+ T-harness.
- Without AMP: Ensure that the WHITE 8 pin plugs are connected.
- With AMP: Connect the HRR-GM5+ 8 pin WHITE connectors to the AMP adapter.

STEP 3

- Plug the harnesses into the aftermarket radio.
- Connect the backup camera RCA cable into the aftermarket radio.
- With AMP: Connect the Center and SUB RCA cables.
- Plug the steering wheel control cable into the aftermarket radio.

STEP 4

- Connect the ACC-SP1 speaker to Maestro module.
- Connect all the harnesses to the Maestro RR module then test your installation.

OnStar, turn signal volume, or warning chime adjust:

- Turn ignition (IGN) on
- Open driver's door

Select to adjust:

OnStar level - Press OnStar button.

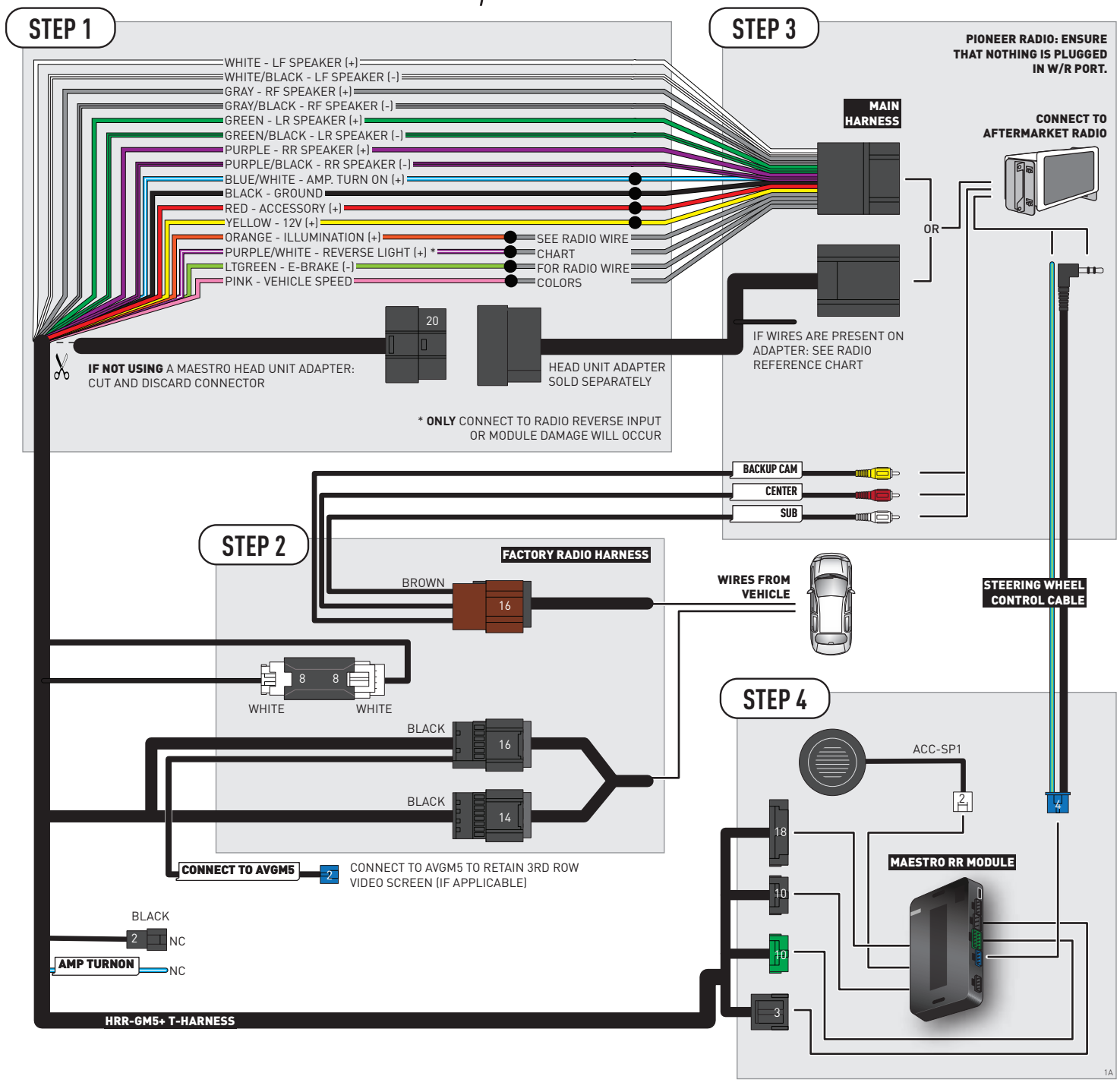
Turn signal level - activate either turn signal.

Warning chime level - turn headlight switch to parking light position (not AUTO).

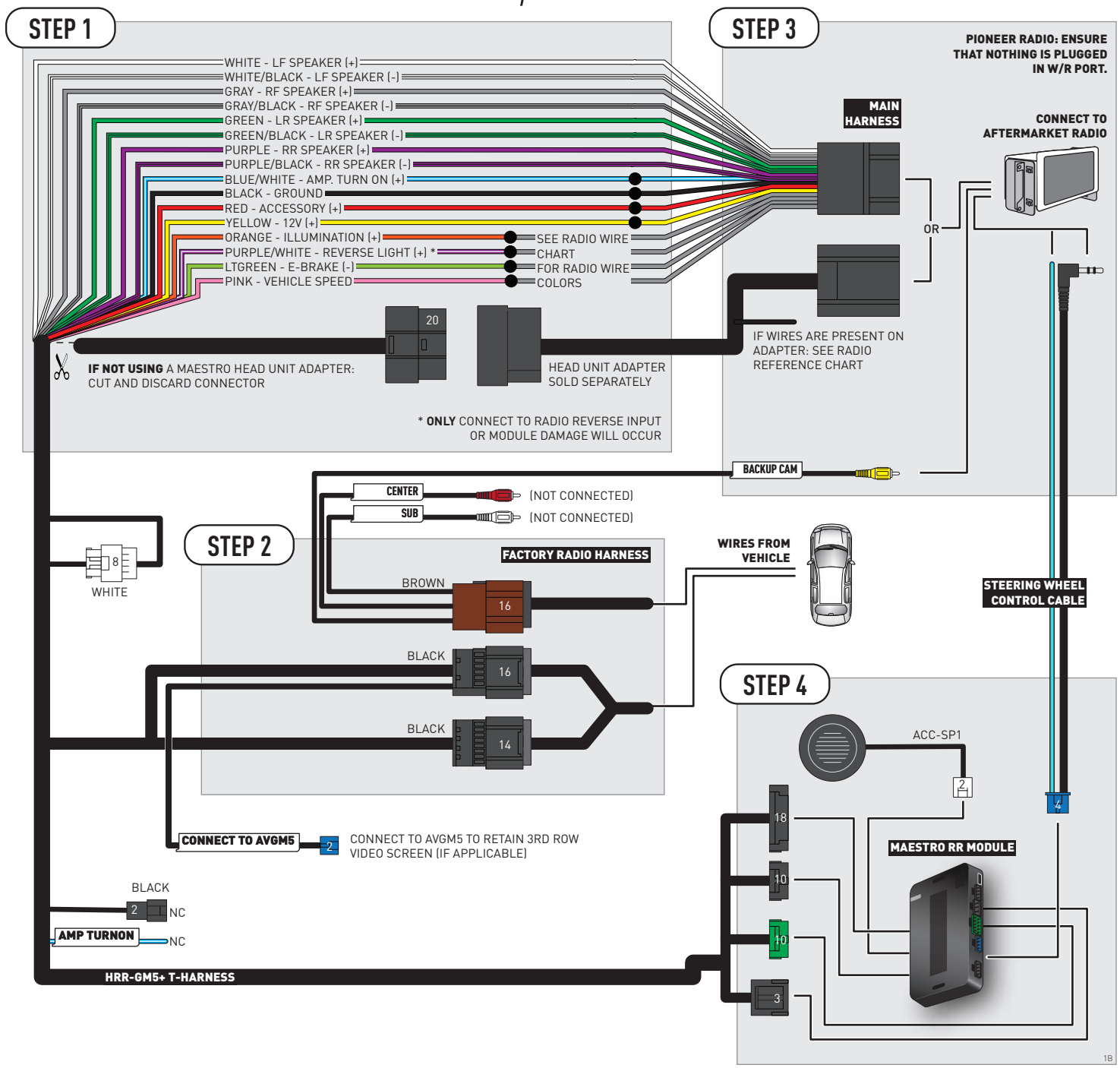
- Adjust volume using steering wheel volume up/down OR dimmer switch. If using dimmer switch, ensure headlight switch is NOT set to AUTO.

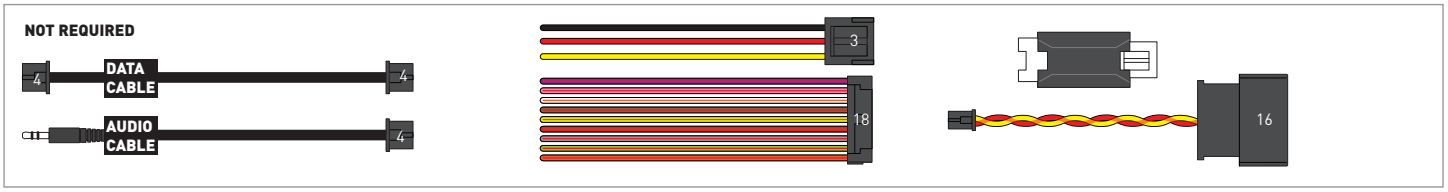
1

WIRING DIAGRAM *with an Amplifier*



WIRING DIAGRAM *without an Amplifier*





RADIO WIRE REFERENCE CHART

GM5+ (GM2) T-harness Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/ JVC cable	Wire Color on Pioneer cable	Wire Color on Sony cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light*	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A
Power Antenna	(+)	Blue	Blue	Blue	Blue/White	Blue or Blue/White

Head unit adapter wiring (optional accessory, sold separately)

ACC-HU-ALP1 Wire Description	Polarity	Wire Color on Adapter	Alpine Radio
VSS (vehicle speed sensor)	(DATA)	Green/White	Green/White

ACC-HU-KEN1 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
CAM	(+)	Green/Red	Refer to camera/radio manual
CAM	(-)	Green/White	Refer to camera/radio manual
Steering Wheel Controls	(DATA)	Blue/Yellow	Connect if no iDatalink 4-pin port on radio

ACC-HU-KEN2 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
E-Brake	(-)	LtGreen	LtGreen
Reverse Light*	(+)	Purple/White	Purple/White
Steering Wheel Controls	(DATA)	Blue/Yellow	Connect if no iDatalink 4-pin port on radio

* Reverse light wire: Only connect to radio or module damage will occur.

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 (RR2) Bluetooth activity	LED STATUS	DIAGNOSTIC
● or ●		RED or GREEN flashing	LED flashes 1 or more times, either red or green, **when a steering wheel button is pressed** : normal operation.
●		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do NOT use DEMO MODE.
●		1 GREEN flash	After radio boots up : Normal operation.
	●	3 GREEN flashes	Bluetooth is activated. Turns off after one minute: Normal operation.
●	●	OFF	Normal operation (inactive).

VIDEO HELP		Installation, product information, vehicle specific videos.
VERIFY FLASH		Last flash information, steering control configuration, vehicle information.
WEBLINK		Software to program module.

TROUBLESHOOTING TABLE P1 /2

PROBLEM	SOLUTION
Steering wheel controls do not work but LED on the Maestro does blink when steering wheel buttons are pressed.	Ensure the blue 4-pin steering wheel control cable is connected between the Maestro and the radio. The radio will use either the 3.5mm jack OR the blue/yellow wire, not both. Connect the 3.5mm jack from the Maestro blue 4-pin cable to the radio's 3.5mm port (labeled steering, remote, or wheel). If no such port exists, wire the blue/yellow to blue/yellow (Kenwood/JVC) or to the radio's Key 1 wire (brands not listed/other) and secure the 3.5mm jack. It will not be used. Verify the buttons are set up in the flash. If any button is set to "none" for "press once", it will do nothing. "Hold" column can be left as none and the "press once" function will operate with one press and when holding the button. Refer to radio's owner's manual to verify if the radio has this function: • JVC/Kenwood : Steering Wheel Control (ON/OFF): choose ON • Nakamichi : if model is listed, ensure PAC mode is on. If "other", learn the buttons in the radio steering wheel menu. • Sony : Steering Wheel Control (Custom/Preset): choose Preset. If phone buttons do not operate properly, flash the module as Pioneer – 2009 and newer with BT. Then select "custom" instead of "preset" and learn the buttons in the radio menu. • Other brands – radio should have a steering wheel menu to learn the buttons. You may have to select type A/B/C/1/2/3 and try learning again if buttons are not saving. Refer to radio manufacturer's tech support for further advice if not learning properly.
Radio does not turn on.	Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.
No sound from OnStar and/or no warning or turn signal chimes.	Plug the chime speaker in. Only turn signal chimes not working - verify "Turn Signal Reminder" is set to "Click in speaker" when programming the Maestro module. Chimes not working, but OnStar is - If vehicle was factory amplified and is now bypassed, ensure "Factory Amplifier" is turned off on the "Select how to configure your system" page when programming the Maestro module.
No sound from the Bose system (If equipped).	Make sure the amplifier turn on wire (Blue/White) of the T-Harness is connected to the radio's amplifier turn on wire. When flashing the Maestro make sure that the Amplifier in OEM Systems to Retain is selected. Make sure the RCA's are connected to the radio or the speaker wires are connected depending on your installation method.
Audio is very quiet or very loud.	Non amplified vehicles: ensure the AMP adapter is NOT plugged in between the white 8 pin plugs. Amplified vehicles: ensure the AMP adapter IS plugged in between the white 8 pin plugs.
(Vehicle using a GM2 harness only) Backup camera is not working and displays a black screen on radio when in reverse.	Ensure the 2-pin yellow plug is connected as shown on the diagram.
The light on the Maestro is flashing **RED ONCE**.	There is no firmware on the module; flash the RR module. DO NOT use demo mode.

TROUBLESHOOTING TABLE P2 /2

MAESTRO RR RESET PROCEDURE:

Turn the key to the OFF position, then disconnect all connectors from the module.
Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).
Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds to show the reset was successful.

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

IMPORTANT: To ensure proper operation, the aftermarket radio needs to have the latest firmware from the manufacturer. Please visit the radio manufacturer's website and look for any updates pertaining to your radio.

INSTALL GUIDE

2007-2011
GMC SIERRA 2500 & 3500

RETAINS STEERING WHEEL CONTROLS, ONSTAR, BLUETOOTH AND MORE!



PRODUITS REQUIS
Interface de remplacement d'autoradio: iDatalink Maestro RR ou RR2
Câblage : iDatalink Maestro HRR-GM5+

PROGRAMMED FIRMWARE
ADS-RR(SR)-GM05-AS

ADDITIONAL RESOURCES
Maestro RR2 Programmable Outputs Guide

OPTIONAL ACCESSORIES

ACC-SP1

HEAD UNIT ADAPTER:
ACC-HU-PI01, SON1, KEN1, KEN2, ALP1

NOTICE: Automotive Data Solutions Inc. (ADS) recommends having this installation performed by a certified technician. Logos and trademarks used here in are the properties of their respective owners.

WELCOME

Congratulations on the purchase of your iDatalink Maestro RR Radio replacement solution. You are now a few simple steps away from enjoying your new car radio with enhanced features.

Before starting your installation, please ensure that your iDatalink Maestro module is programmed with the correct firmware for your vehicle and that you carefully review the install guide.

Please note that Maestro RR will only retain functionalities that were originally available in the vehicle.

TABLE OF CONTENTS

Before Installing	3
Installation Instructions	4
Wiring Diagram with an Amplifier	5
Wiring Diagram without an Amplifier	6
Radio Wire Reference Chart	7
Module Diagnostics	8
Troubleshooting Table	9

NEED HELP?

1 866 427-2999

maestro.support@idatalink.com

BEFORE INSTALLING P1 /1

STEP 1

DETERMINE IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

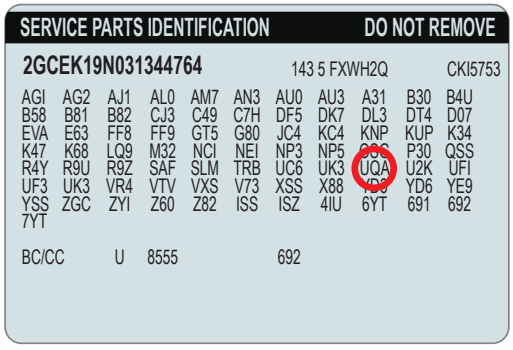
METHOD 1: Look for the following logos in the vehicle. They are usually on the speaker covers or on the radio unit. If you find any of the following logos Bose, Pioneer or Monsoon, you have a factory amplifier.

BOSE

Pioneer

MONSOON

METHOD 2: Look for the following sticker in the glove box. This sticker will indicate all the Regular Production Option (RPO) codes. If you find any of the following codes UQA, UQS or UQG, you have a factory amplifier.


SERVICE PARTS IDENTIFICATION DO NOT REMOVE

2GCEK19N031344764 143 5 FXWH2Q CKI5753

AGI	AG2	AJ1	AL0	AM7	AN3	AU0	AU3	A31	B30	B4U
B58	B81	B82	CJ3	C49	C7H	DF5	DK7	DL3	DT4	D07
EVA	E63	FF8	FF9	GT5	G80	JC4	KC4	KNP	KUP	K34
K47	K68	LQ9	M32	NCI	NEI	NP3	NP5	QQS	P30	QSS
R4Y	R9U	R9Z	SAF	SLM	TRB	UC6	UK3	UQA	U2K	UFI
UF3	UK3	VR4	VTV	VXS	V73	XSS	X88	YD5	YD6	YE9
YSS	ZGC	ZYI	Z60	Z82	ISS	ISZ	4IU	6YT	691	692
7YT										

BC/CC U 8555 692

STEP 2

IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **with an amplifier** and read the "**AMPLIFIER ONLY**" note to determine if you should use rca's or level matching circuits.

IF YOUR VEHICLE NOT IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **without an amplifier**.

Automotive Data Solutions Inc. © 2023

INSTALLATION INSTRUCTIONS P1/1

STEP 1

Remove the factory radio

If using head unit adapter (sold separately), connect HRR-GM5+ harness to adapter and skip to step 2.

- Unbox the aftermarket radio and locate its main harness.
- Cut and remove the black 20 pin connector from the HRR-GM5+ T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the HRR-GM5+ T-harness and match the wire functions.

  Note: only connect purple/white wire to radio reverse input or module damage will occur.

STEP 2

- Connect the factory harness to the HRR-GM5+ T-harness.
- Without AMP: Ensure that the WHITE 8 pin plugs are connected.
- With AMP: Connect the HRR-GM5+ 8 pin WHITE connectors to the AMP adapter.

STEP 3

- Plug the harnesses into the aftermarket radio.
- Connect the backup camera RCA cable into the aftermarket radio.
- With AMP: Connect the Center and SUB RCA cables.
- Plug the steering wheel control cable into the aftermarket radio.

STEP 4

- Connect the ACC-SP1 speaker to Maestro module.
- Connect all the harnesses to the Maestro RR module then test your installation.

OnStar, turn signal volume, or warning chime adjust:

- Turn ignition (IGN) on
- Open driver's door

Select to adjust:

OnStar level - Press OnStar button.

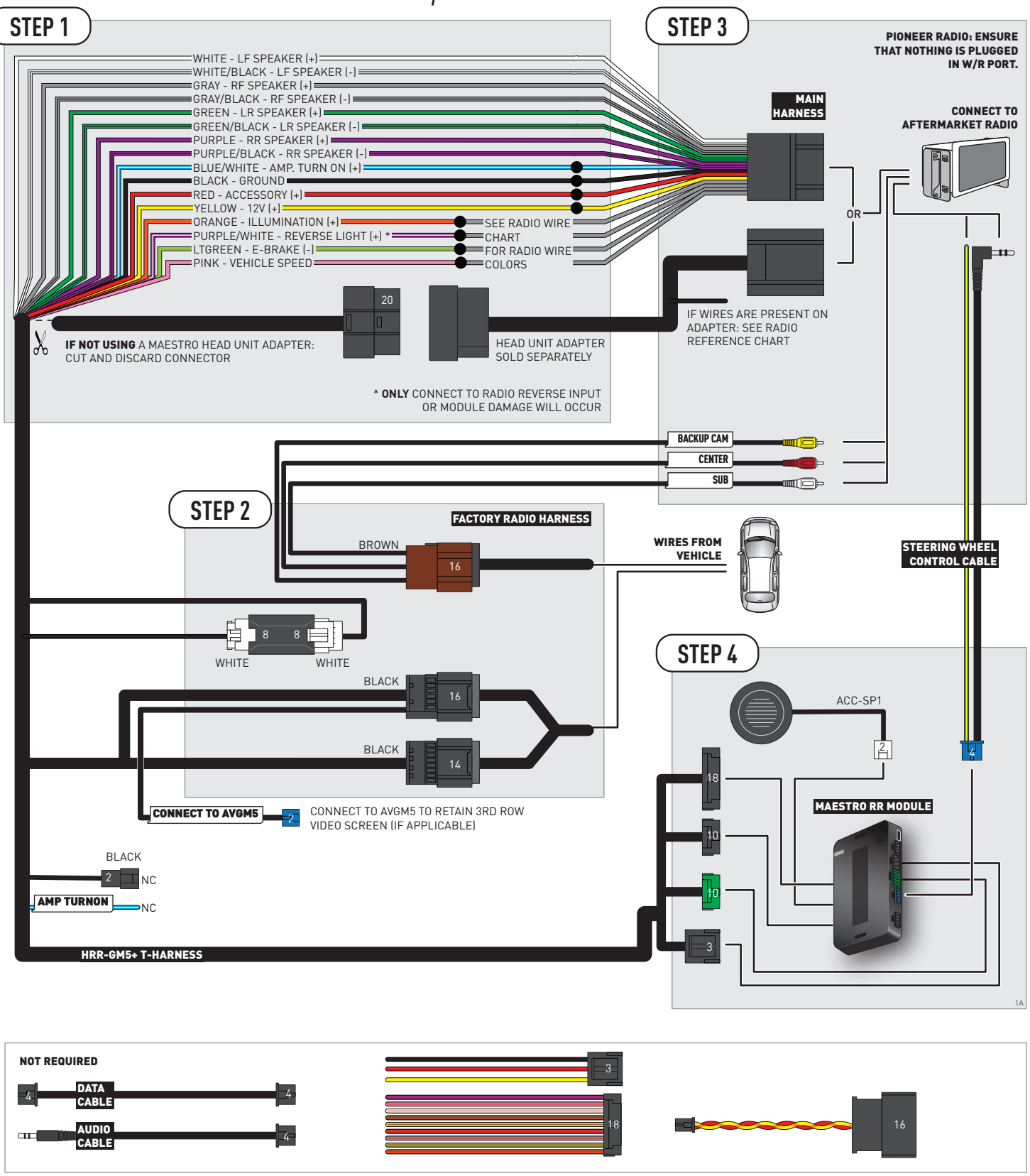
Turn signal level - activate either turn signal.

Warning chime level - turn headlight switch to parking light position (not AUTO).

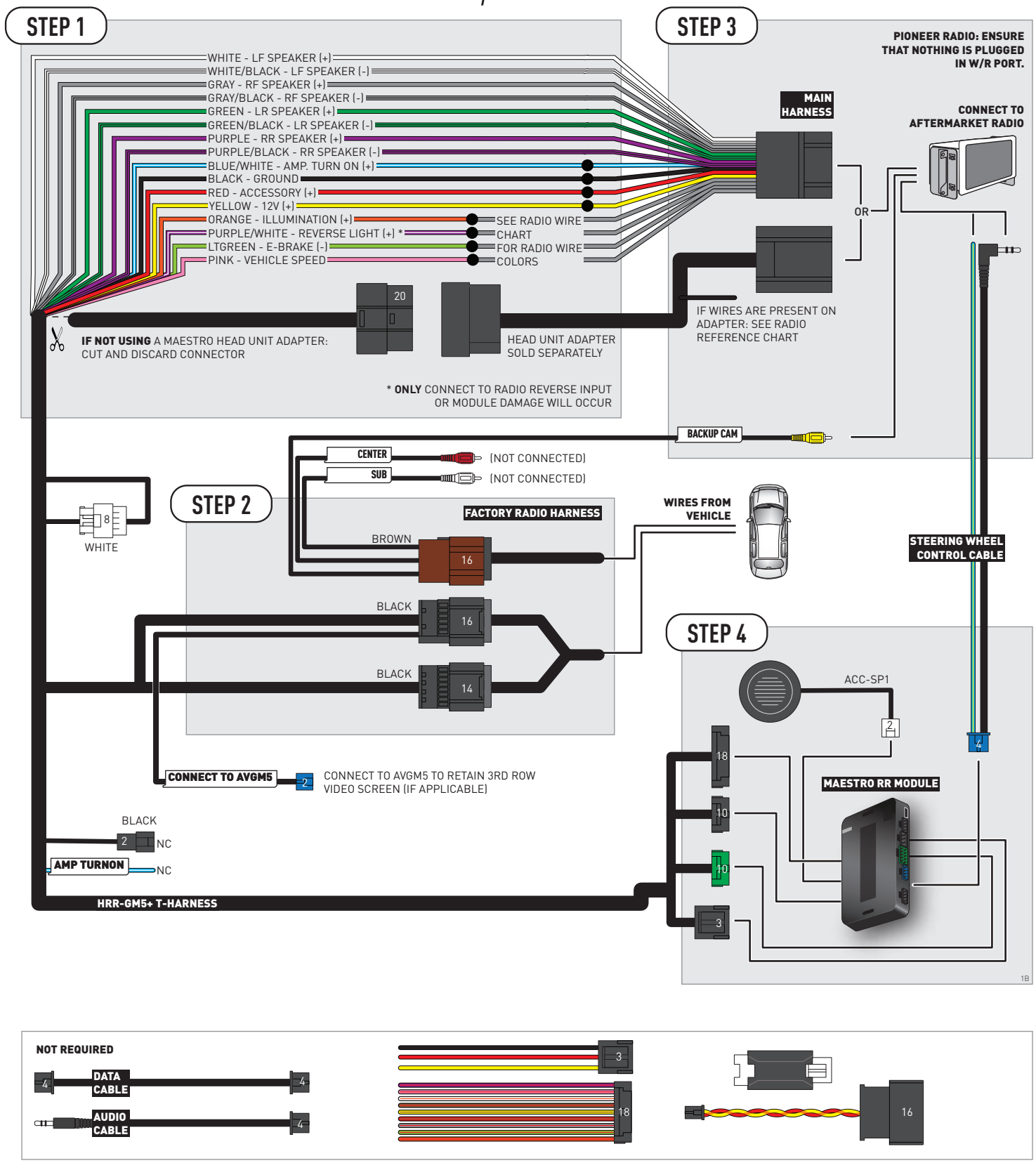
- Adjust volume using steering wheel volume up/down OR dimmer switch. If using dimmer switch, ensure headlight switch is NOT set to AUTO.

1

WIRING DIAGRAM *with an Amplifier*



WIRING DIAGRAM *without an Amplifier*



RADIO WIRE REFERENCE CHART

GM5+ (GM2) T-harness Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/ JVC cable	Wire Color on Pioneer cable	Wire Color on Sony cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light*	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A
Power Antenna	(+)	Blue	Blue	Blue	Blue/White	Blue or Blue/White

Head unit adapter wiring (optional accessory, sold separately)

ACC-HU-ALP1 Wire Description	Polarity	Wire Color on Adapter	Alpine Radio
VSS (vehicle speed sensor)	(DATA)	Green/White	Green/White

ACC-HU-KEN1 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
CAM	(+)	Green/Red	Refer to camera/radio manual
CAM	(-)	Green/White	Refer to camera/radio manual
Steering Wheel Controls	(DATA)	Blue/Yellow	Connect if no iDatalink 4-pin port on radio

ACC-HU-KEN2 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
E-Brake	(-)	LtGreen	LtGreen
Reverse Light*	(+)	Purple/White	Purple/White
Steering Wheel Controls	(DATA)	Blue/Yellow	Connect if no iDatalink 4-pin port on radio

* Reverse light wire: Only connect to radio or module damage will occur.

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 (RR2) Bluetooth activity	LED STATUS	DIAGNOSTIC
● or ●		RED or GREEN flashing	LED flashes 1 or more times, either red or green, **when a steering wheel button is pressed** : normal operation.
●		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do NOT use DEMO MODE.
●		1 GREEN flash	After radio boots up : Normal operation.
	●	3 GREEN flashes	Bluetooth is activated. Turns off after one minute: Normal operation.
●	●	OFF	Normal operation (inactive).

VIDEO HELP		Installation, product information, vehicle specific videos.
VERIFY FLASH		Last flash information, steering control configuration, vehicle information.
WEBLINK		Software to program module.

TROUBLESHOOTING TABLE P1 /2

PROBLEM	SOLUTION
Steering wheel controls do not work but LED on the Maestro does blink when steering wheel buttons are pressed.	Ensure the blue 4-pin steering wheel control cable is connected between the Maestro and the radio. The radio will use either the 3.5mm jack OR the blue/yellow wire, not both. Connect the 3.5mm jack from the Maestro blue 4-pin cable to the radio's 3.5mm port (labeled steering, remote, or wheel). If no such port exists, wire the blue/yellow to blue/yellow (Kenwood/JVC) or to the radio's Key 1 wire (brands not listed/other) and secure the 3.5mm jack. It will not be used. Verify the buttons are set up in the flash. If any button is set to "none" for "press once", it will do nothing. "Hold" column can be left as none and the "press once" function will operate with one press and when holding the button. Refer to radio's owner's manual to verify if the radio has this function: • JVC/Kenwood : Steering Wheel Control (ON/OFF): choose ON • Nakamichi : if model is listed, ensure PAC mode is on. If "other", learn the buttons in the radio steering wheel menu. • Sony : Steering Wheel Control (Custom/Preset): choose Preset. If phone buttons do not operate properly, flash the module as Pioneer – 2009 and newer with BT. Then select "custom" instead of "preset" and learn the buttons in the radio menu. • Other brands – radio should have a steering wheel menu to learn the buttons. You may have to select type A/B/C/1/2/3 and try learning again if buttons are not saving. Refer to radio manufacturer's tech support for further advice if not learning properly.
Radio does not turn on.	Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.
No sound from OnStar and/or no warning or turn signal chimes.	Plug the chime speaker in. Only turn signal chimes not working - verify "Turn Signal Reminder" is set to "Click in speaker" when programming the Maestro module. Chimes not working, but OnStar is - If vehicle was factory amplified and is now bypassed, ensure "Factory Amplifier" is turned off on the "Select how to configure your system" page when programming the Maestro module.
No sound from the Bose system (If equipped).	Make sure the amplifier turn on wire (Blue/White) of the T-Harness is connected to the radio's amplifier turn on wire. When flashing the Maestro make sure that the Amplifier in OEM Systems to Retain is selected. Make sure the RCA's are connected to the radio or the speaker wires are connected depending on your installation method.
Audio is very quiet or very loud.	Non amplified vehicles: ensure the AMP adapter is NOT plugged in between the white 8 pin plugs. Amplified vehicles: ensure the AMP adapter IS plugged in between the white 8 pin plugs.
(Vehicle using a GM2 harness only) Backup camera is not working and displays a black screen on radio when in reverse.	Ensure the 2-pin yellow plug is connected as shown on the diagram.
The light on the Maestro is flashing **RED ONCE**.	There is no firmware on the module; flash the RR module. DO NOT use demo mode.

TROUBLESHOOTING TABLE P2 /2

MAESTRO RR RESET PROCEDURE:

Turn the key to the OFF position, then disconnect all connectors from the module.
Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).
Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds to show the reset was successful.

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

IMPORTANT: To ensure proper operation, the aftermarket radio needs to have the latest firmware from the manufacturer. Please visit the radio manufacturer's website and look for any updates pertaining to your radio.

INSTALL GUIDE

2012-2014
GMC SIERRA 2500 & 3500
WITHOUT NAV

RETAINS STEERING WHEEL CONTROLS, ONSTAR, BLUETOOTH AND MORE!



PRODUITS REQUIS
Interface de remplacement d'autoradio: iDatalink Maestro RR ou RR2
Câblage : iDatalink Maestro HRR-GM5+

PROGRAMMED FIRMWARE
ADS-RR(SR)-GM05-AS

ADDITIONAL RESOURCES
Maestro RR2 Programmable Outputs Guide

OPTIONAL ACCESSORIES

ACC-SP1

HEAD UNIT ADAPTER:
ACC-HU-PI01, S0N1, KEN1, KEN2, ALP1

NOTICE: Automotive Data Solutions Inc. (ADS) recommends having this installation performed by a certified technician. Logos and trademarks used here in are the properties of their respective owners.

WELCOME

Congratulations on the purchase of your iDatalink Maestro RR Radio replacement solution. You are now a few simple steps away from enjoying your new car radio with enhanced features.

Before starting your installation, please ensure that your iDatalink Maestro module is programmed with the correct firmware for your vehicle and that you carefully review the install guide.

Please note that Maestro RR will only retain functionalities that were originally available in the vehicle.

TABLE OF CONTENTS

Before Installing	3
Installation Instructions	4
Wiring Diagram with an Amplifier	5
Wiring Diagram without an Amplifier	6
Radio Wire Reference Chart	7
Module Diagnostics	8
Troubleshooting Table	9

NEED HELP?

1 866 427-2999

maestro.support@idatalink.com

BEFORE INSTALLING P1 /1

STEP 1

DETERMINE IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

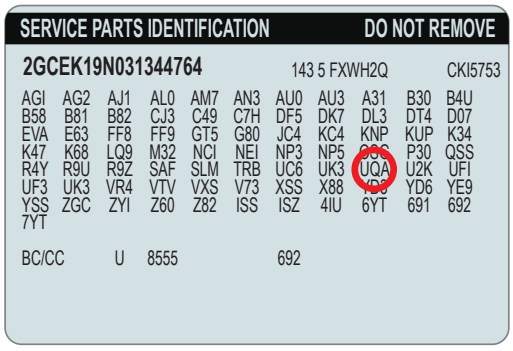
METHOD 1: Look for the following logos in the vehicle. They are usually on the speaker covers or on the radio unit. If you find any of the following logos Bose, Pioneer or Monsoon, you have a factory amplifier.

BOSE

Pioneer

MONSOON

METHOD 2: Look for the following sticker in the glove box. This sticker will indicate all the Regular Production Option (RPO) codes. If you find any of the following codes UQA, UQS or UQG, you have a factory amplifier.



STEP 2

IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **with an amplifier** and read the "**AMPLIFIER ONLY**" note to determine if you should use rca's or level matching circuits.

IF YOUR VEHICLE NOT IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **without an amplifier**.

INSTALLATION INSTRUCTIONS P1/1

STEP 1

Remove the factory radio

If using head unit adapter (sold separately), connect HRR-GM5+ harness to adapter and skip to step 2.

- Unbox the aftermarket radio and locate its main harness.
- Cut and remove the black 20 pin connector from the HRR-GM5+ T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the HRR-GM5+ T-harness and match the wire functions.

  Note: only connect purple/white wire to radio reverse input or module damage will occur.

STEP 2

- Connect the factory harness to the HRR-GM5+ T-harness.
- Without AMP: Ensure that the WHITE 8 pin plugs are connected.
- With AMP: Connect the HRR-GM5+ 8 pin WHITE connectors to the AMP adapter.

STEP 3

- Plug the harnesses into the aftermarket radio.
- Connect the backup camera RCA cable into the aftermarket radio.
- With AMP: Connect the Center and SUB RCA cables.
- Plug the steering wheel control cable into the aftermarket radio.

STEP 4

- Connect the ACC-SP1 speaker to Maestro module.
- Connect all the harnesses to the Maestro RR module then test your installation.

OnStar, turn signal volume, or warning chime adjust:

- Turn ignition (IGN) on
- Open driver's door

Select to adjust:

OnStar level - Press OnStar button.

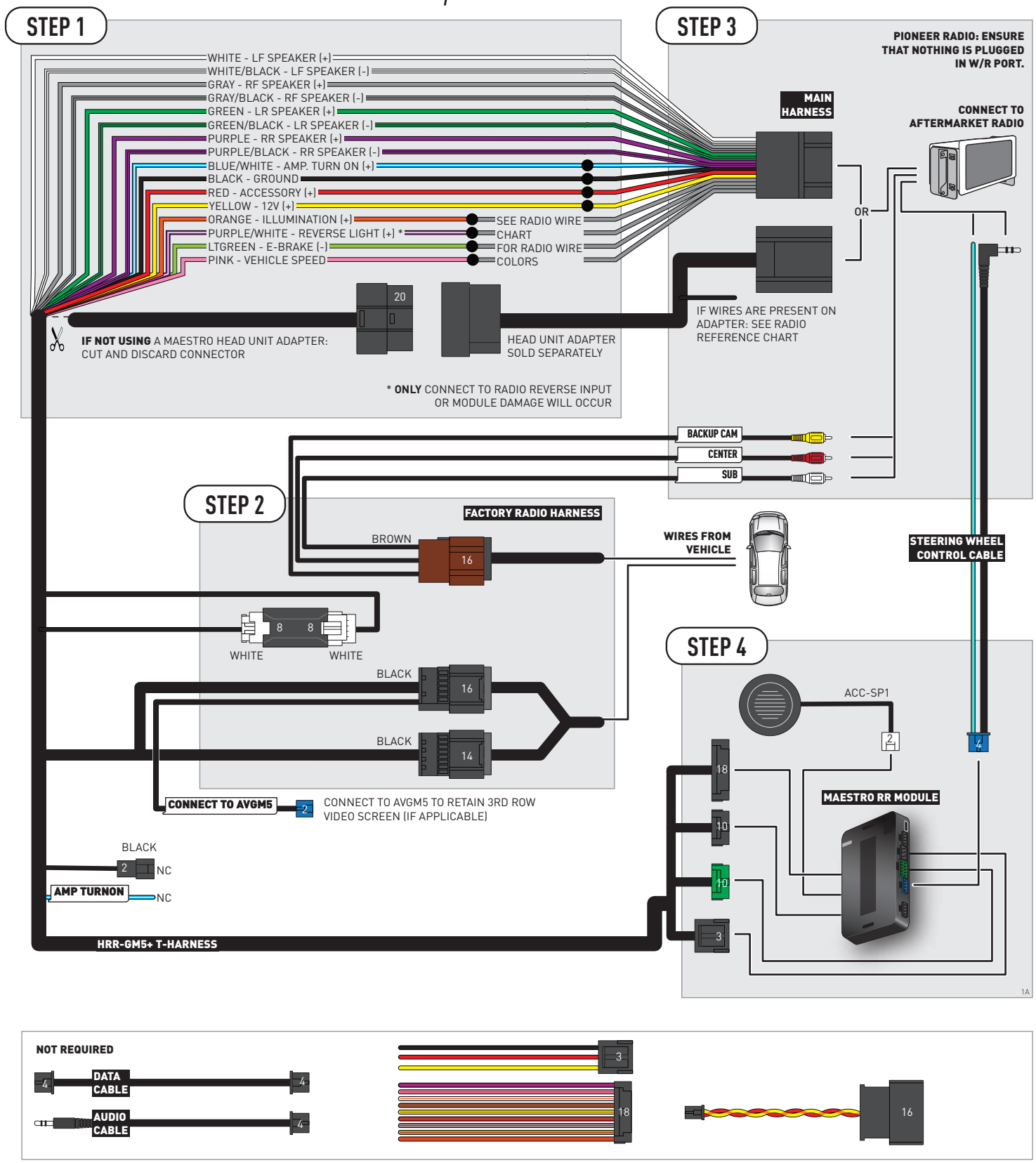
Turn signal level - activate either turn signal.

Warning chime level - turn headlight switch to parking light position (not AUTO).

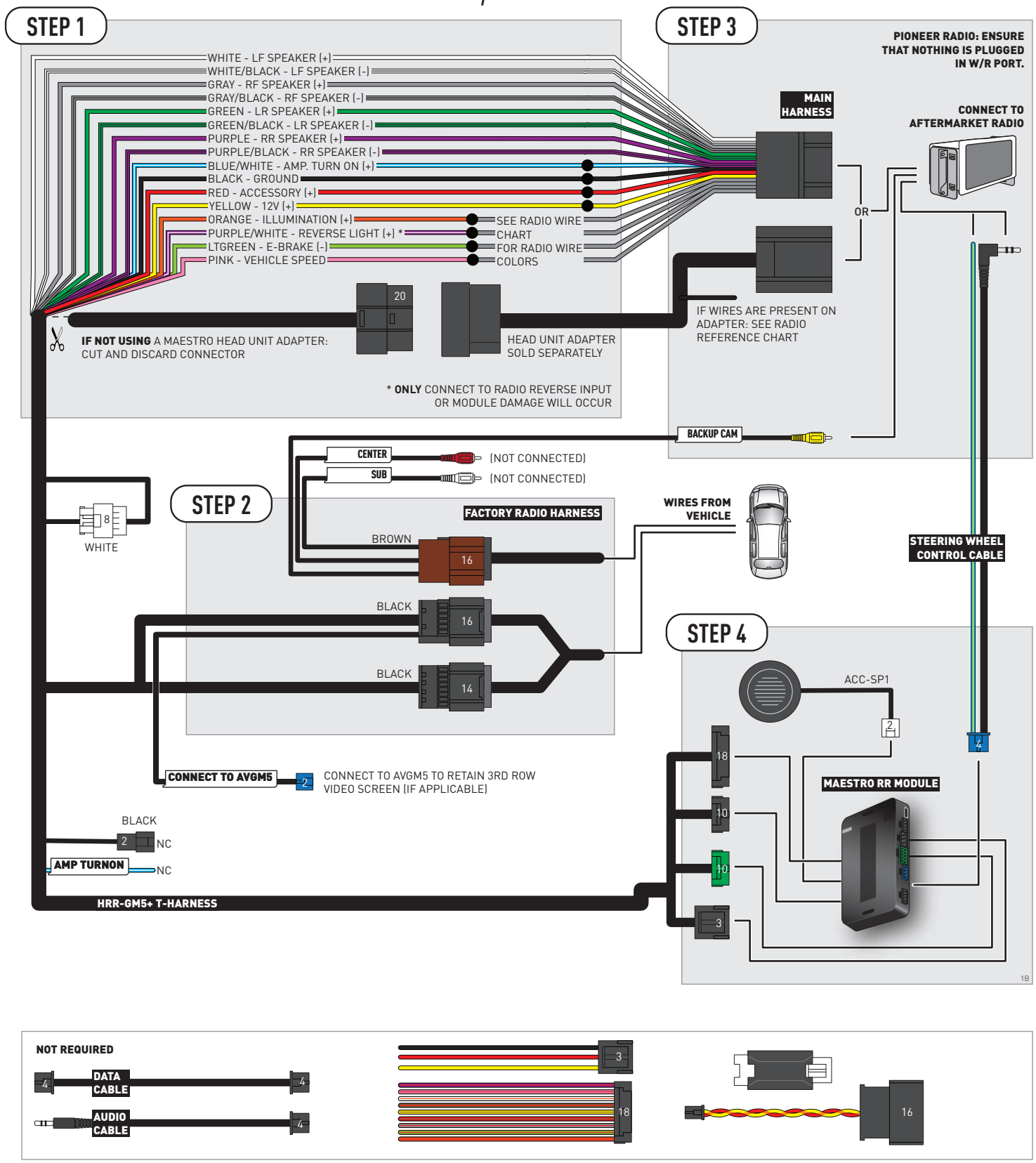
- Adjust volume using steering wheel volume up/down OR dimmer switch. If using dimmer switch, ensure headlight switch is NOT set to AUTO.

1

WIRING DIAGRAM *with an Amplifier*



WIRING DIAGRAM *without an Amplifier*



RADIO WIRE REFERENCE CHART

GM5+ (GM2) T-harness Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/ JVC cable	Wire Color on Pioneer cable	Wire Color on Sony cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light*	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A
Power Antenna	(+)	Blue	Blue	Blue	Blue/White	Blue or Blue/White

Head unit adapter wiring (optional accessory, sold separately)

ACC-HU-ALP1 Wire Description	Polarity	Wire Color on Adapter	Alpine Radio
VSS (vehicle speed sensor)	(DATA)	Green/White	Green/White

ACC-HU-KEN1 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
CAM	(+)	Green/Red	Refer to camera/radio manual
CAM	(-)	Green/White	Refer to camera/radio manual
Steering Wheel Controls	(DATA)	Blue/Yellow	Connect if no iDatalink 4-pin port on radio

ACC-HU-KEN2 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
E-Brake	(-)	LtGreen	LtGreen
Reverse Light*	(+)	Purple/White	Purple/White
Steering Wheel Controls	(DATA)	Blue/Yellow	Connect if no iDatalink 4-pin port on radio

* Reverse light wire: Only connect to radio or module damage will occur.

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 (RR2) Bluetooth activity	LED STATUS	DIAGNOSTIC
● or ●		RED or GREEN flashing	LED flashes 1 or more times, either red or green, **when a steering wheel button is pressed** : normal operation.
●		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do NOT use DEMO MODE.
●		1 GREEN flash	After radio boots up : Normal operation.
	●	3 GREEN flashes	Bluetooth is activated. Turns off after one minute: Normal operation.
●	●	OFF	Normal operation (inactive).

VIDEO HELP		Installation, product information, vehicle specific videos.
VERIFY FLASH		Last flash information, steering control configuration, vehicle information.
WEBLINK		Software to program module.

TROUBLESHOOTING TABLE P1 /2

PROBLEM	SOLUTION
Steering wheel controls do not work but LED on the Maestro does blink when steering wheel buttons are pressed.	Ensure the blue 4-pin steering wheel control cable is connected between the Maestro and the radio. The radio will use either the 3.5mm jack OR the blue/yellow wire, not both. Connect the 3.5mm jack from the Maestro blue 4-pin cable to the radio's 3.5mm port (labeled steering, remote, or wheel). If no such port exists, wire the blue/yellow to blue/yellow (Kenwood/JVC) or to the radio's Key 1 wire (brands not listed/other) and secure the 3.5mm jack. It will not be used. Verify the buttons are set up in the flash. If any button is set to "none" for "press once", it will do nothing. "Hold" column can be left as none and the "press once" function will operate with one press and when holding the button. Refer to radio's owner's manual to verify if the radio has this function: • JVC/Kenwood : Steering Wheel Control (ON/OFF): choose ON • Nakamichi : if model is listed, ensure PAC mode is on. If "other", learn the buttons in the radio steering wheel menu. • Sony : Steering Wheel Control (Custom/Preset): choose Preset. If phone buttons do not operate properly, flash the module as Pioneer – 2009 and newer with BT. Then select "custom" instead of "preset" and learn the buttons in the radio menu. • Other brands – radio should have a steering wheel menu to learn the buttons. You may have to select type A/B/C/1/2/3 and try learning again if buttons are not saving. Refer to radio manufacturer's tech support for further advice if not learning properly.
Radio does not turn on.	Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.
No sound from OnStar and/or no warning or turn signal chimes.	Plug the chime speaker in. Only turn signal chimes not working - verify "Turn Signal Reminder" is set to "Click in speaker" when programming the Maestro module. Chimes not working, but OnStar is - If vehicle was factory amplified and is now bypassed, ensure "Factory Amplifier" is turned off on the "Select how to configure your system" page when programming the Maestro module.
No sound from the Bose system (If equipped).	Make sure the amplifier turn on wire (Blue/White) of the T-Harness is connected to the radio's amplifier turn on wire. When flashing the Maestro make sure that the Amplifier in OEM Systems to Retain is selected. Make sure the RCA's are connected to the radio or the speaker wires are connected depending on your installation method.
Audio is very quiet or very loud.	Non amplified vehicles: ensure the AMP adapter is NOT plugged in between the white 8 pin plugs. Amplified vehicles: ensure the AMP adapter IS plugged in between the white 8 pin plugs.
(Vehicle using a GM2 harness only) Backup camera is not working and displays a black screen on radio when in reverse.	Ensure the 2-pin yellow plug is connected as shown on the diagram.
The light on the Maestro is flashing **RED ONCE**.	There is no firmware on the module; flash the RR module. DO NOT use demo mode.

TROUBLESHOOTING TABLE P2 /2

MAESTRO RR RESET PROCEDURE:

Turn the key to the OFF position, then disconnect all connectors from the module.
Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).
Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds to show the reset was successful.

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

IMPORTANT: To ensure proper operation, the aftermarket radio needs to have the latest firmware from the manufacturer. Please visit the radio manufacturer's website and look for any updates pertaining to your radio.

INSTALL GUIDE

2012-2014
GMC SIERRA 2500
WITH NAV

RETAINS STEERING WHEEL CONTROLS, ONSTAR, BLUETOOTH AND MORE!



PRODUITS REQUIS
Interface de remplacement d'autoradio: iDatalink Maestro RR ou RR2
Câblage : iDatalink Maestro HRR-GM2

PROGRAMMED FIRMWARE
ADS-RR(SR)-GM05-AS

ADDITIONAL RESOURCES
Maestro RR2 Programmable Outputs Guide

OPTIONAL ACCESSORIES

ACC-SP1

HEAD UNIT ADAPTER:
ACC-HU-PI01, SON1, KEN1, KEN2, ALP1

NOTICE: Automotive Data Solutions Inc. (ADS) recommends having this installation performed by a certified technician. Logos and trademarks used here in are the properties of their respective owners.

WELCOME

Congratulations on the purchase of your iDatalink Maestro RR Radio replacement solution. You are now a few simple steps away from enjoying your new car radio with enhanced features.

Before starting your installation, please ensure that your iDatalink Maestro module is programmed with the correct firmware for your vehicle and that you carefully review the install guide.

Please note that Maestro RR will only retain functionalities that were originally available in the vehicle.

TABLE OF CONTENTS

Before Installing	3
Installation Instructions	4
Wiring Diagram with an Amplifier	5
Wiring Diagram without an Amplifier	6
Radio Wire Reference Chart	7
Module Diagnostics	8
Troubleshooting Table	9

NEED HELP?

1 866 427-2999

maestro.support@idatalink.com

BEFORE INSTALLING P1 /1

STEP 1

DETERMINE IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

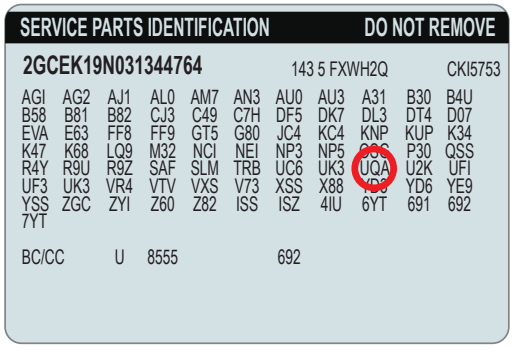
METHOD 1: Look for the following logos in the vehicle. They are usually on the speaker covers or on the radio unit. If you find any of the following logos Bose, Pioneer or Monsoon, you have a factory amplifier.

BOSE

Pioneer

MONSOON

METHOD 2: Look for the following sticker in the glove box. This sticker will indicate all the Regular Production Option (RPO) codes. If you find any of the following codes UQA, UQS or UQG, you have a factory amplifier.



STEP 2

IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **with an amplifier** and read the "**AMPLIFIER ONLY**" note to determine if you should use rca's or level matching circuits.

IF YOUR VEHICLE NOT IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **without an amplifier**.

Automotive Data Solutions Inc. © 2023

INSTALLATION INSTRUCTIONS P1/1

STEP 1

Remove the factory radio

If using head unit adapter (sold separately), connect HRR-GM2 harness to adapter and skip to step 2.

- Unbox the aftermarket radio and locate its main harness.
- Cut and remove the black 20 pin connector from the HRR-GM2 T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the HRR-GM2 T-harness and match the wire functions.

  Note: only connect purple/white wire to radio reverse input or module damage will occur.

STEP 2

- Connect the YELLOW 2 pin connector of the backup camera cable to the YELLOW connector (CAM 1) of the backup camera adapter. Connect GRAY connector of adapter to the vehicle backup camera harness.

STEP 3

- Connect the factory harness to the HRR-GM2 T-harness.
- Ensure that the RED 2 pin plugs are connected.
- Without AMP: Ensure that the WHITE 8 pin plugs are connected.
- With AMP: Connect the HRR-GM2 8 pin WHITE connectors to the AMP adapter.

STEP 4

- Plug the harnesses into the aftermarket radio.
- Connect the backup camera RCA cable into the aftermarket radio.
- Plug the steering wheel control cable into the aftermarket radio.

STEP 5

- Connect the ACC-SP1 speaker to Maestro module.
- Connect all the harnesses to the Maestro RR module then test your installation.

OnStar, turn signal volume, or warning chime adjust:

- Turn ignition (IGN) on
- Open driver's door

Select to adjust:

OnStar level - Press OnStar button.

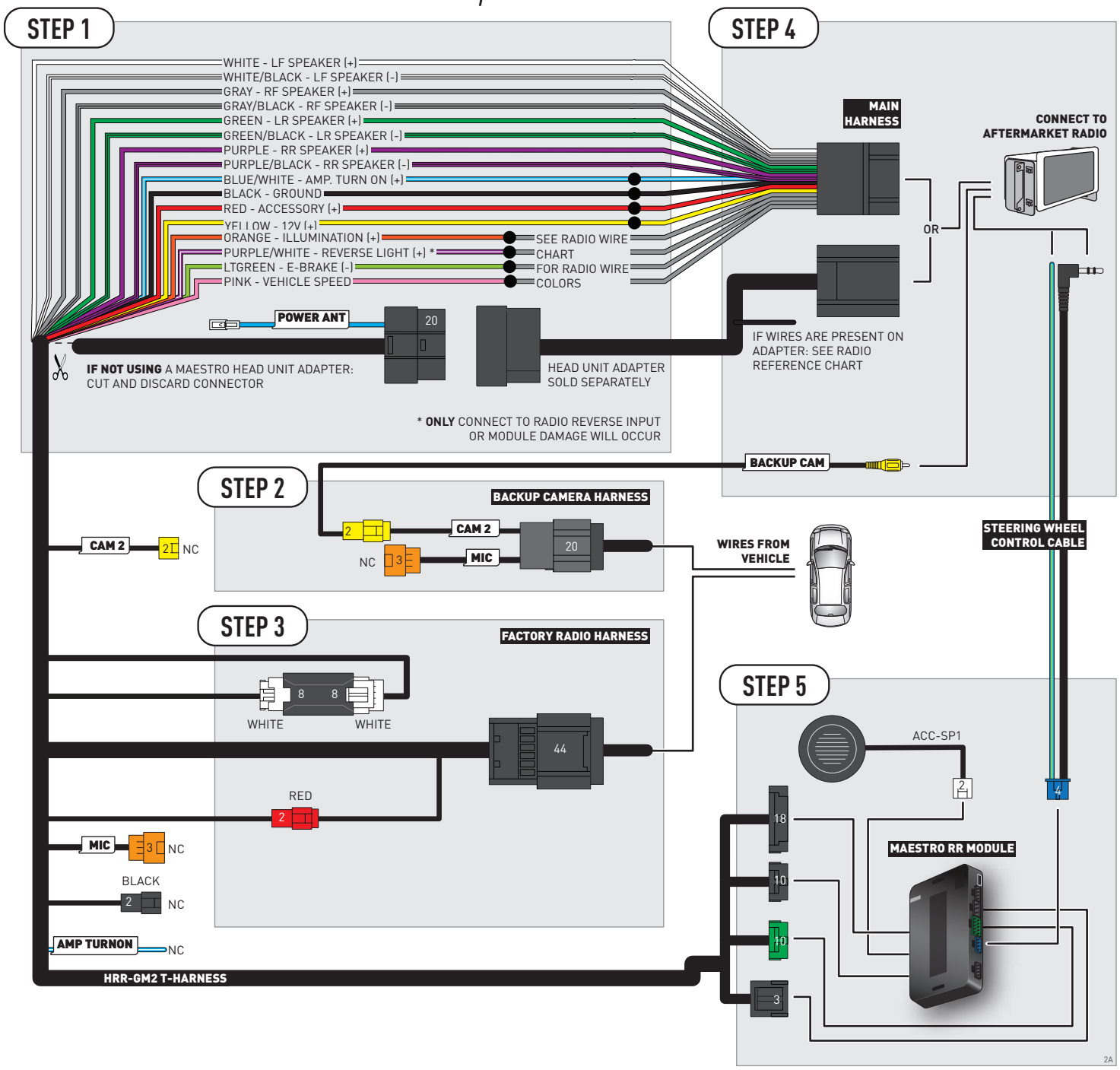
Turn signal level - activate either turn signal.

Warning chime level - turn headlight switch to parking light position (not AUTO).

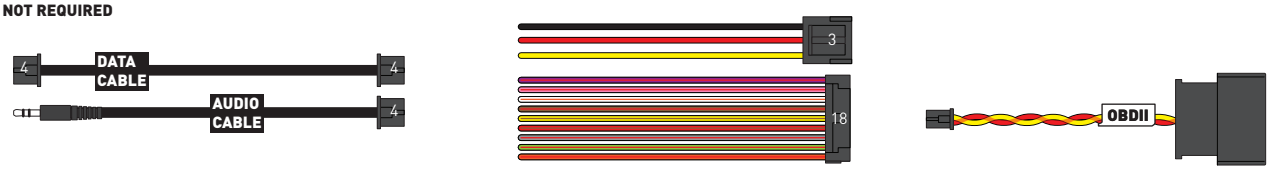
- Adjust volume using steering wheel volume up/down OR dimmer switch. If using dimmer switch, ensure headlight switch is NOT set to AUTO.

Automotive Data Solutions Inc. © 2023

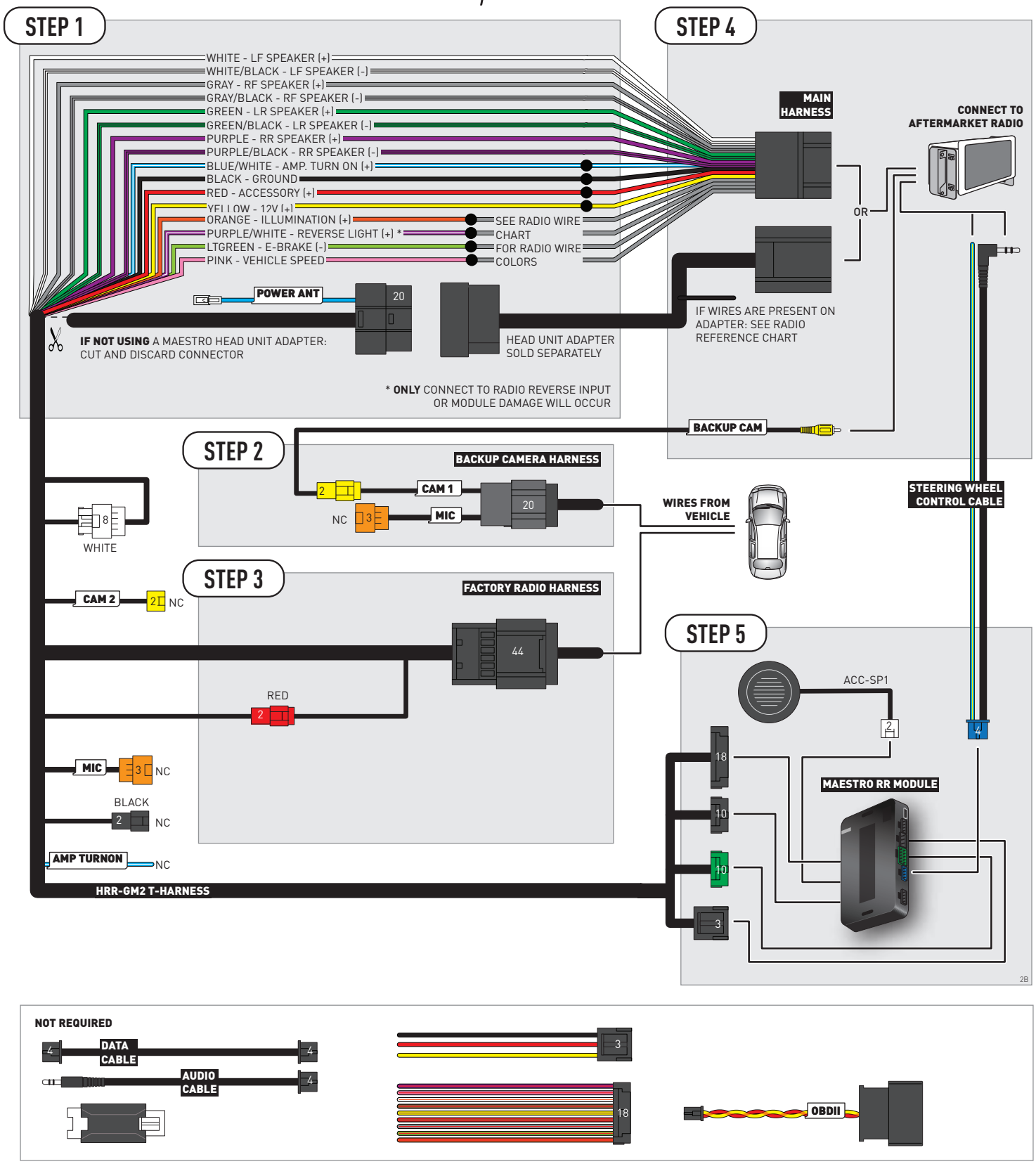
WIRING DIAGRAM *with an Amplifier*



NOT REQUIRED



WIRING DIAGRAM *without an Amplifier*



RADIO WIRE REFERENCE CHART

GM5+ (GM2) T-harness Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/ JVC cable	Wire Color on Pioneer cable	Wire Color on Sony cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light*	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A
Power Antenna	(+)	Blue	Blue	Blue	Blue/White	Blue or Blue/White

Head unit adapter wiring (optional accessory, sold separately)

ACC-HU-ALP1 Wire Description	Polarity	Wire Color on Adapter	Alpine Radio
VSS (vehicle speed sensor)	(DATA)	Green/White	Green/White

ACC-HU-KEN1 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
CAM	(+)	Green/Red	Refer to camera/radio manual
CAM	(-)	Green/White	Refer to camera/radio manual
Steering Wheel Controls	(DATA)	Blue/Yellow	Connect if no iDatalink 4-pin port on radio

ACC-HU-KEN2 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
E-Brake	(-)	LtGreen	LtGreen
Reverse Light*	(+)	Purple/White	Purple/White
Steering Wheel Controls	(DATA)	Blue/Yellow	Connect if no iDatalink 4-pin port on radio

* Reverse light wire: Only connect to radio or module damage will occur.

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 (RR2) Bluetooth activity	LED STATUS	DIAGNOSTIC
● or ●		RED or GREEN flashing	LED flashes 1 or more times, either red or green, **when a steering wheel button is pressed** : normal operation.
●		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do NOT use DEMO MODE.
●		1 GREEN flash	After radio boots up : Normal operation.
	●	3 GREEN flashes	Bluetooth is activated. Turns off after one minute: Normal operation.
●	●	OFF	Normal operation (inactive).

VIDEO HELP		Installation, product information, vehicle specific videos.
VERIFY FLASH		Last flash information, steering control configuration, vehicle information.
WEBLINK		Software to program module.

TROUBLESHOOTING TABLE P1 /2

PROBLEM	SOLUTION
Steering wheel controls do not work but LED on the Maestro does blink when steering wheel buttons are pressed.	Ensure the blue 4-pin steering wheel control cable is connected between the Maestro and the radio. The radio will use either the 3.5mm jack OR the blue/yellow wire, not both. Connect the 3.5mm jack from the Maestro blue 4-pin cable to the radio's 3.5mm port (labeled steering, remote, or wheel). If no such port exists, wire the blue/yellow to blue/yellow (Kenwood/JVC) or to the radio's Key 1 wire (brands not listed/other) and secure the 3.5mm jack. It will not be used. Verify the buttons are set up in the flash. If any button is set to "none" for "press once", it will do nothing. "Hold" column can be left as none and the "press once" function will operate with one press and when holding the button. Refer to radio's owner's manual to verify if the radio has this function: • JVC/Kenwood : Steering Wheel Control (ON/OFF): choose ON • Nakamichi : if model is listed, ensure PAC mode is on. If "other", learn the buttons in the radio steering wheel menu. • Sony : Steering Wheel Control (Custom/Preset): choose Preset. If phone buttons do not operate properly, flash the module as Pioneer – 2009 and newer with BT. Then select "custom" instead of "preset" and learn the buttons in the radio menu. • Other brands – radio should have a steering wheel menu to learn the buttons. You may have to select type A/B/C/1/2/3 and try learning again if buttons are not saving. Refer to radio manufacturer's tech support for further advice if not learning properly.
Radio does not turn on.	Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.
No sound from OnStar and/or no warning or turn signal chimes.	Plug the chime speaker in. Only turn signal chimes not working - verify "Turn Signal Reminder" is set to "Click in speaker" when programming the Maestro module. Chimes not working, but OnStar is - If vehicle was factory amplified and is now bypassed, ensure "Factory Amplifier" is turned off on the "Select how to configure your system" page when programming the Maestro module.
No sound from the Bose system (If equipped).	Make sure the amplifier turn on wire (Blue/White) of the T-Harness is connected to the radio's amplifier turn on wire. When flashing the Maestro make sure that the Amplifier in OEM Systems to Retain is selected. Make sure the RCA's are connected to the radio or the speaker wires are connected depending on your installation method.
Audio is very quiet or very loud.	Non amplified vehicles: ensure the AMP adapter is NOT plugged in between the white 8 pin plugs. Amplified vehicles: ensure the AMP adapter IS plugged in between the white 8 pin plugs.
(Vehicle using a GM2 harness only) Backup camera is not working and displays a black screen on radio when in reverse.	Ensure the 2-pin yellow plug is connected as shown on the diagram.
The light on the Maestro is flashing **RED ONCE**.	There is no firmware on the module; flash the RR module. DO NOT use demo mode.

TROUBLESHOOTING TABLE P2 /2

MAESTRO RR RESET PROCEDURE:

Turn the key to the OFF position, then disconnect all connectors from the module.
Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).
Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds to show the reset was successful.

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

IMPORTANT: To ensure proper operation, the aftermarket radio needs to have the latest firmware from the manufacturer. Please visit the radio manufacturer's website and look for any updates pertaining to your radio.

INSTALL GUIDE

2007-2011
GMC YUKON

RETAINS STEERING WHEEL CONTROLS, ONSTAR, BLUETOOTH AND MORE!



PRODUITS REQUIS
Interface de remplacement d'autoradio: iDatalink Maestro RR ou RR2
Câblage : iDatalink Maestro HRR-GM5+

PROGRAMMED FIRMWARE
ADS-RR(SR)-GM05-AS

ADDITIONAL RESOURCES
Maestro RR2 Programmable Outputs Guide

OPTIONAL ACCESSORIES

ACC-SP1

HEAD UNIT ADAPTER:
ACC-HU-PI01, SON1, KEN1, KEN2, ALP1

NOTICE: Automotive Data Solutions Inc. (ADS) recommends having this installation performed by a certified technician. Logos and trademarks used here in are the properties of their respective owners.

WELCOME

Congratulations on the purchase of your iDatalink Maestro RR Radio replacement solution. You are now a few simple steps away from enjoying your new car radio with enhanced features.

Before starting your installation, please ensure that your iDatalink Maestro module is programmed with the correct firmware for your vehicle and that you carefully review the install guide.

Please note that Maestro RR will only retain functionalities that were originally available in the vehicle.

TABLE OF CONTENTS

Before Installing	3
Installation Instructions	4
Wiring Diagram with an Amplifier	5
Wiring Diagram without an Amplifier	6
Radio Wire Reference Chart	7
Module Diagnostics	8
Troubleshooting Table	9

NEED HELP?

1 866 427-2999

maestro.support@idatalink.com

BEFORE INSTALLING P1 /1

STEP 1

DETERMINE IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

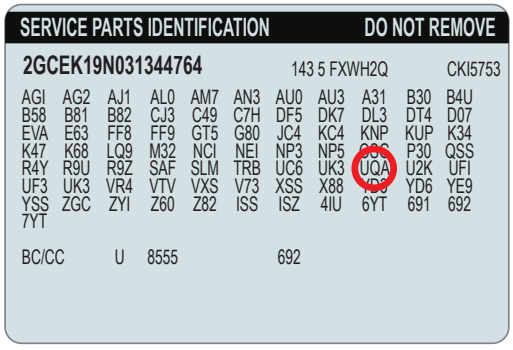
METHOD 1: Look for the following logos in the vehicle. They are usually on the speaker covers or on the radio unit. If you find any of the following logos Bose, Pioneer or Monsoon, you have a factory amplifier.

BOSE

Pioneer

MONSOON

METHOD 2: Look for the following sticker in the glove box. This sticker will indicate all the Regular Production Option (RPO) codes. If you find any of the following codes UQA, UQS or UQG, you have a factory amplifier.



STEP 2

IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **with an amplifier** and read the "**AMPLIFIER ONLY**" note to determine if you should use rca's or level matching circuits.

IF YOUR VEHICLE NOT IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **without an amplifier**.

Automotive Data Solutions Inc. © 2023

INSTALLATION INSTRUCTIONS P1/1

STEP 1

Remove the factory radio

If using head unit adapter (sold separately), connect HRR-GM5+ harness to adapter and skip to step 2.

- Unbox the aftermarket radio and locate its main harness.
- Cut and remove the black 20 pin connector from the HRR-GM5+ T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the HRR-GM5+ T-harness and match the wire functions.

  Note: only connect purple/white wire to radio reverse input or module damage will occur.

STEP 2

- Connect the factory harness to the HRR-GM5+ T-harness.
- Without AMP: Ensure that the WHITE 8 pin plugs are connected.
- With AMP: Connect the HRR-GM5+ 8 pin WHITE connectors to the AMP adapter.

STEP 3

- Plug the harnesses into the aftermarket radio.
- Connect the backup camera RCA cable into the aftermarket radio.
- With AMP: Connect the Center and SUB RCA cables.
- Plug the steering wheel control cable into the aftermarket radio.

STEP 4

- Connect the ACC-SP1 speaker to Maestro module.
- Connect all the harnesses to the Maestro RR module then test your installation.

OnStar, turn signal volume, or warning chime adjust:

- Turn ignition (IGN) on
- Open driver's door

Select to adjust:

OnStar level - Press OnStar button.

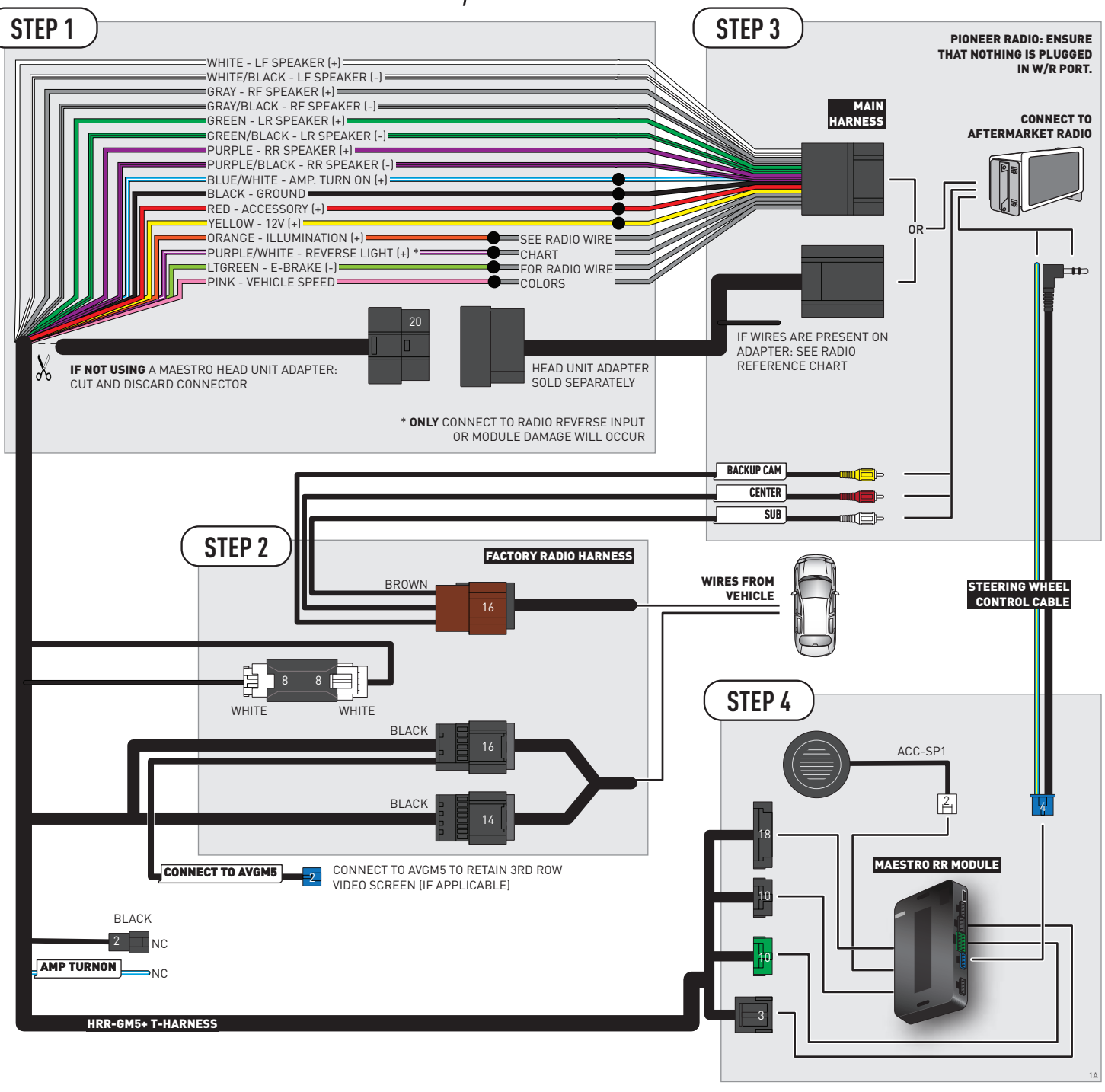
Turn signal level - activate either turn signal.

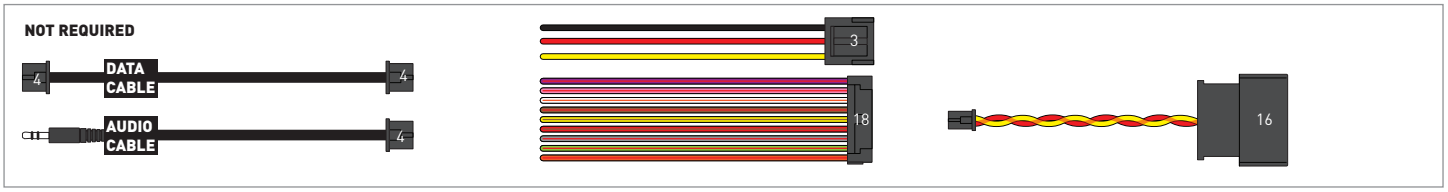
Warning chime level - turn headlight switch to parking light position (not AUTO).

- Adjust volume using steering wheel volume up/down OR dimmer switch. If using dimmer switch, ensure headlight switch is NOT set to AUTO.

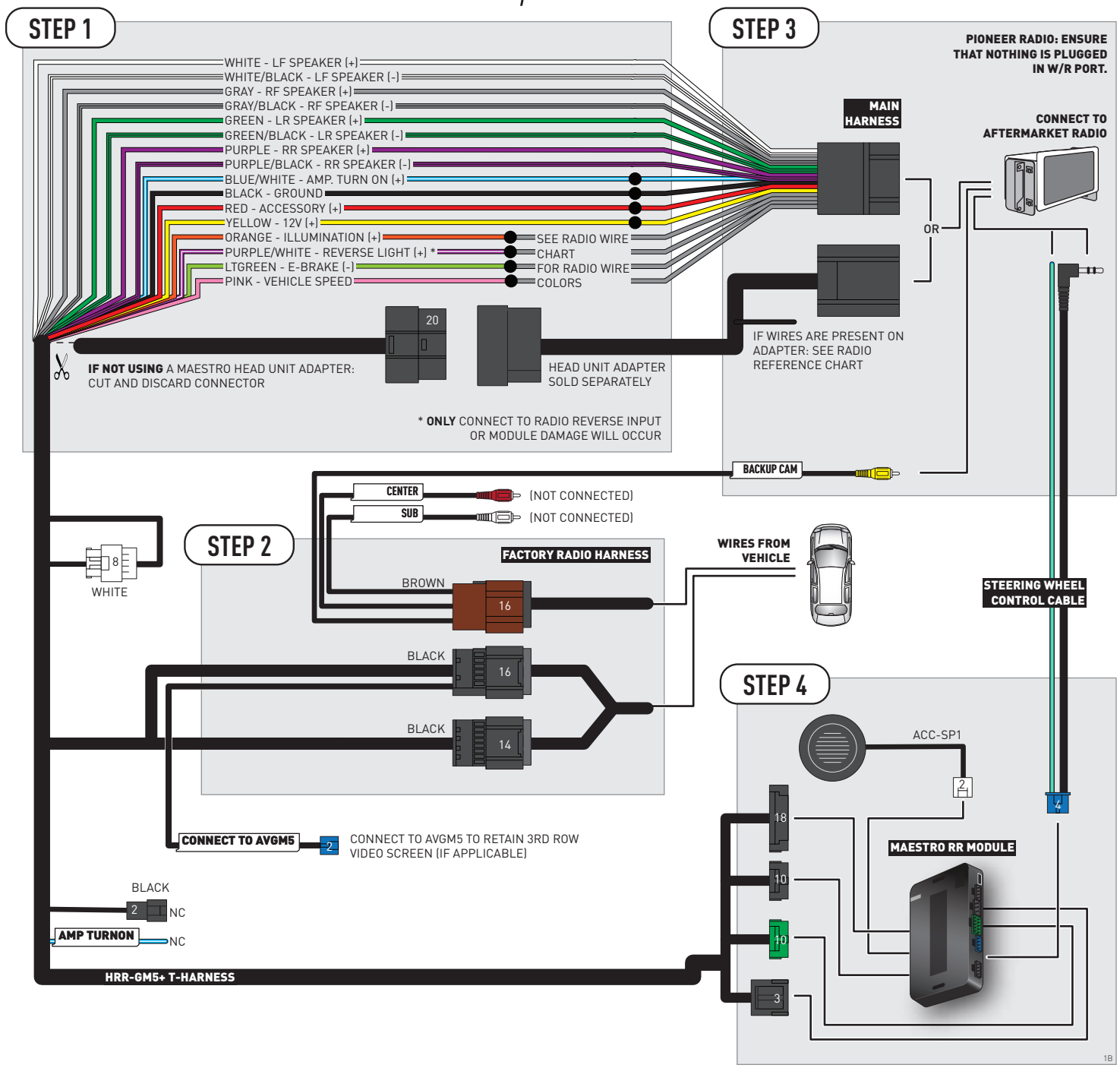
1

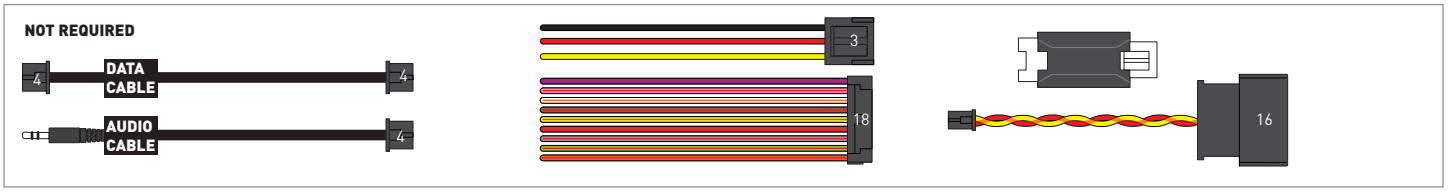
WIRING DIAGRAM *with an Amplifier*





WIRING DIAGRAM *without an Amplifier*





RADIO WIRE REFERENCE CHART

GM5+ (GM2) T-harness Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/ JVC cable	Wire Color on Pioneer cable	Wire Color on Sony cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light*	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A
Power Antenna	(+)	Blue	Blue	Blue	Blue/White	Blue or Blue/White

Head unit adapter wiring (optional accessory, sold separately)

ACC-HU-ALP1 Wire Description	Polarity	Wire Color on Adapter	Alpine Radio
VSS (vehicle speed sensor)	(DATA)	Green/White	Green/White

ACC-HU-KEN1 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
CAM	(+)	Green/Red	Refer to camera/radio manual
CAM	(-)	Green/White	Refer to camera/radio manual
Steering Wheel Controls	(DATA)	Blue/Yellow	Connect if no iDatalink 4-pin port on radio

ACC-HU-KEN2 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
E-Brake	(-)	LtGreen	LtGreen
Reverse Light*	(+)	Purple/White	Purple/White
Steering Wheel Controls	(DATA)	Blue/Yellow	Connect if no iDatalink 4-pin port on radio

* Reverse light wire: Only connect to radio or module damage will occur.

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 (RR2) Bluetooth activity	LED STATUS	DIAGNOSTIC
● or ●		RED or GREEN flashing	LED flashes 1 or more times, either red or green, **when a steering wheel button is pressed** : normal operation.
●		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do NOT use DEMO MODE.
●		1 GREEN flash	After radio boots up : Normal operation.
	●	3 GREEN flashes	Bluetooth is activated. Turns off after one minute: Normal operation.
●	●	OFF	Normal operation (inactive).

VIDEO HELP		Installation, product information, vehicle specific videos.
VERIFY FLASH		Last flash information, steering control configuration, vehicle information.
WEBLINK		Software to program module.

TROUBLESHOOTING TABLE P1 /2

PROBLEM	SOLUTION
Steering wheel controls do not work but LED on the Maestro does blink when steering wheel buttons are pressed.	Ensure the blue 4-pin steering wheel control cable is connected between the Maestro and the radio. The radio will use either the 3.5mm jack OR the blue/yellow wire, not both. Connect the 3.5mm jack from the Maestro blue 4-pin cable to the radio's 3.5mm port (labeled steering, remote, or wheel). If no such port exists, wire the blue/yellow to blue/yellow (Kenwood/JVC) or to the radio's Key 1 wire (brands not listed/other) and secure the 3.5mm jack. It will not be used. Verify the buttons are set up in the flash. If any button is set to "none" for "press once", it will do nothing. "Hold" column can be left as none and the "press once" function will operate with one press and when holding the button. Refer to radio's owner's manual to verify if the radio has this function: • JVC/Kenwood : Steering Wheel Control (ON/OFF): choose ON • Nakamichi : if model is listed, ensure PAC mode is on. If "other", learn the buttons in the radio steering wheel menu. • Sony : Steering Wheel Control (Custom/Preset): choose Preset. If phone buttons do not operate properly, flash the module as Pioneer – 2009 and newer with BT. Then select "custom" instead of "preset" and learn the buttons in the radio menu. • Other brands – radio should have a steering wheel menu to learn the buttons. You may have to select type A/B/C/1/2/3 and try learning again if buttons are not saving. Refer to radio manufacturer's tech support for further advice if not learning properly.
Radio does not turn on.	Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.
No sound from OnStar and/or no warning or turn signal chimes.	Plug the chime speaker in. Only turn signal chimes not working - verify "Turn Signal Reminder" is set to "Click in speaker" when programming the Maestro module. Chimes not working, but OnStar is - If vehicle was factory amplified and is now bypassed, ensure "Factory Amplifier" is turned off on the "Select how to configure your system" page when programming the Maestro module.
No sound from the Bose system (If equipped).	Make sure the amplifier turn on wire (Blue/White) of the T-Harness is connected to the radio's amplifier turn on wire. When flashing the Maestro make sure that the Amplifier in OEM Systems to Retain is selected. Make sure the RCA's are connected to the radio or the speaker wires are connected depending on your installation method.
Audio is very quiet or very loud.	Non amplified vehicles: ensure the AMP adapter is NOT plugged in between the white 8 pin plugs. Amplified vehicles: ensure the AMP adapter IS plugged in between the white 8 pin plugs.
(Vehicle using a GM2 harness only) Backup camera is not working and displays a black screen on radio when in reverse.	Ensure the 2-pin yellow plug is connected as shown on the diagram.
The light on the Maestro is flashing **RED ONCE**.	There is no firmware on the module; flash the RR module. DO NOT use demo mode.

TROUBLESHOOTING TABLE P2 /2

MAESTRO RR RESET PROCEDURE:

Turn the key to the OFF position, then disconnect all connectors from the module.
Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).
Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds to show the reset was successful.

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

IMPORTANT: To ensure proper operation, the aftermarket radio needs to have the latest firmware from the manufacturer. Please visit the radio manufacturer's website and look for any updates pertaining to your radio.

INSTALL GUIDE

2012-2014
GMC YUKON
WITH NAV

RETAINS STEERING WHEEL CONTROLS, ONSTAR, BLUETOOTH AND MORE!



PRODUITS REQUIS
Interface de remplacement d'autoradio: iDatalink Maestro RR ou RR2
Câblage : iDatalink Maestro HRR-GM2

PROGRAMMED FIRMWARE
ADS-RR(SR)-GM05-AS

ADDITIONAL RESOURCES
Maestro RR2 Programmable Outputs Guide

OPTIONAL ACCESSORIES

ACC-SP1

HEAD UNIT ADAPTER:
ACC-HU-PI01, SON1, KEN1, KEN2, ALP1

NOTICE: Automotive Data Solutions Inc. (ADS) recommends having this installation performed by a certified technician. Logos and trademarks used here in are the properties of their respective owners.

WELCOME

Congratulations on the purchase of your iDatalink Maestro RR Radio replacement solution. You are now a few simple steps away from enjoying your new car radio with enhanced features.

Before starting your installation, please ensure that your iDatalink Maestro module is programmed with the correct firmware for your vehicle and that you carefully review the install guide.

Please note that Maestro RR will only retain functionalities that were originally available in the vehicle.

TABLE OF CONTENTS

Before Installing	3
Installation Instructions	4
Wiring Diagram with an Amplifier	5
Wiring Diagram without an Amplifier	6
Radio Wire Reference Chart	7
Module Diagnostics	8
Troubleshooting Table	9

NEED HELP?

1 866 427-2999

maestro.support@idatalink.com

BEFORE INSTALLING P1 /1

STEP 1

DETERMINE IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

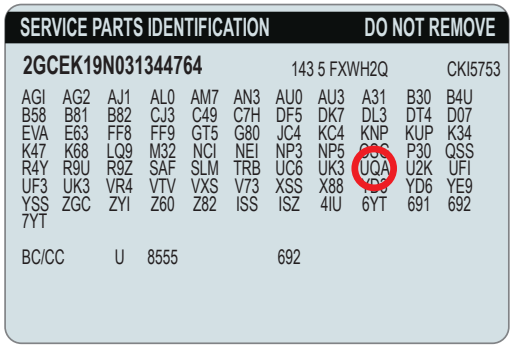
METHOD 1: Look for the following logos in the vehicle. They are usually on the speaker covers or on the radio unit. If you find any of the following logos Bose, Pioneer or Monsoon, you have a factory amplifier.

BOSE

Pioneer

MONSOON

METHOD 2: Look for the following sticker in the glove box. This sticker will indicate all the Regular Production Option (RPO) codes. If you find any of the following codes UQA, UQS or UQG, you have a factory amplifier.



STEP 2

IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **with an amplifier** and read the "**AMPLIFIER ONLY**" note to determine if you should use rca's or level matching circuits.

IF YOUR VEHICLE NOT IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **without an amplifier**.

Automotive Data Solutions Inc. © 2023

INSTALLATION INSTRUCTIONS P1/1

STEP 1

Remove the factory radio

If using head unit adapter (sold separately), connect HRR-GM2 harness to adapter and skip to step 2.

- Unbox the aftermarket radio and locate its main harness.
- Cut and remove the black 20 pin connector from the HRR-GM2 T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the HRR-GM2 T-harness and match the wire functions.

  Note: only connect purple/white wire to radio reverse input or module damage will occur.

STEP 2

- Connect the YELLOW 2 pin connector of the backup camera cable to the YELLOW connector (CAM 1) of the backup camera adapter. Connect GRAY connector of adapter to the vehicle backup camera harness.

STEP 3

- Connect the factory harness to the HRR-GM2 T-harness.
- Ensure that the RED 2 pin plugs are connected.
- Without AMP: Ensure that the WHITE 8 pin plugs are connected.
- With AMP: Connect the HRR-GM2 8 pin WHITE connectors to the AMP adapter.

STEP 4

- Plug the harnesses into the aftermarket radio.
- Connect the backup camera RCA cable into the aftermarket radio.
- Plug the steering wheel control cable into the aftermarket radio.

STEP 5

- Connect the ACC-SP1 speaker to Maestro module.
- Connect all the harnesses to the Maestro RR module then test your installation.

OnStar, turn signal volume, or warning chime adjust:

- Turn ignition (IGN) on
- Open driver's door

Select to adjust:

OnStar level - Press OnStar button.

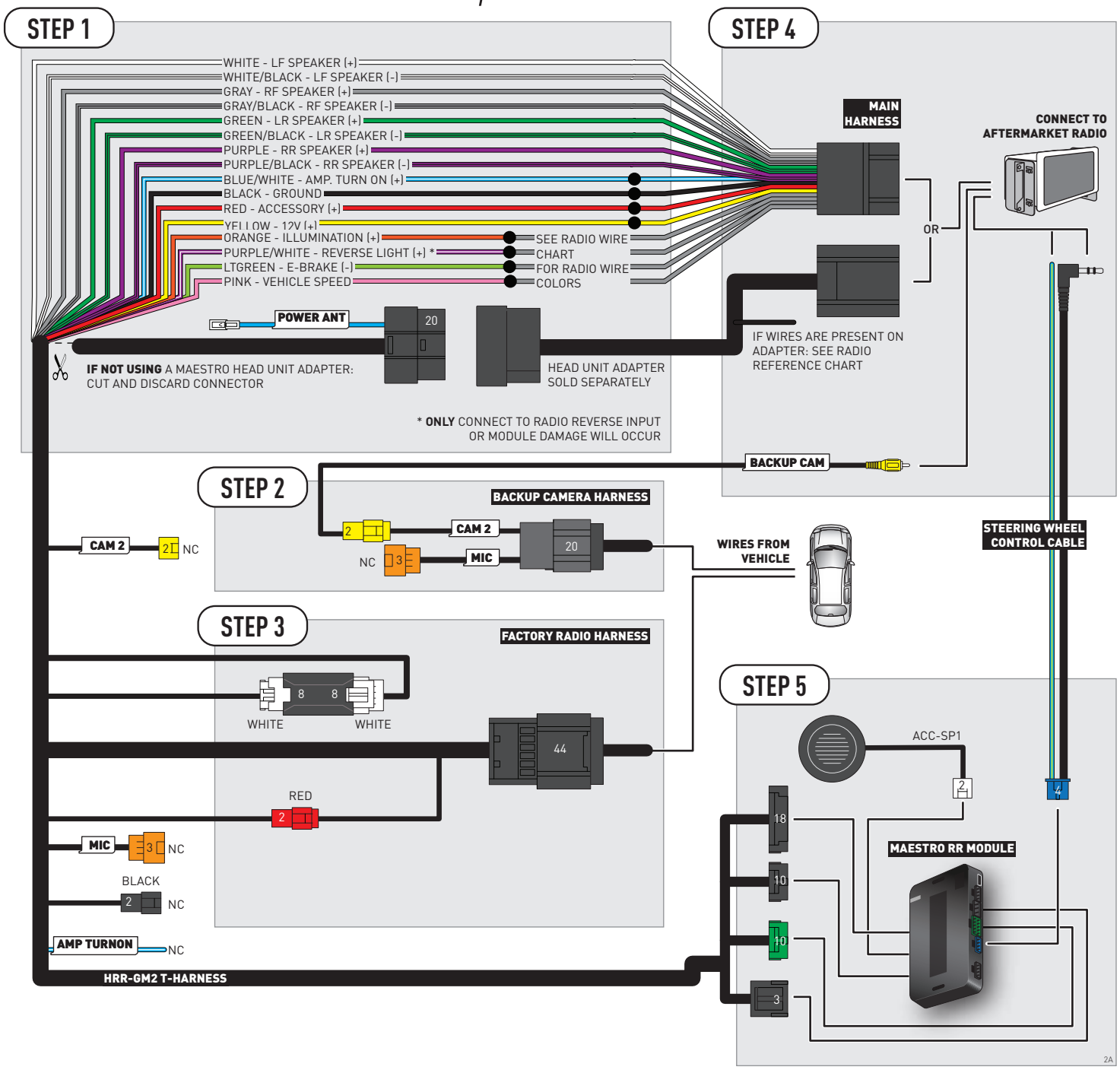
Turn signal level - activate either turn signal.

Warning chime level - turn headlight switch to parking light position (not AUTO).

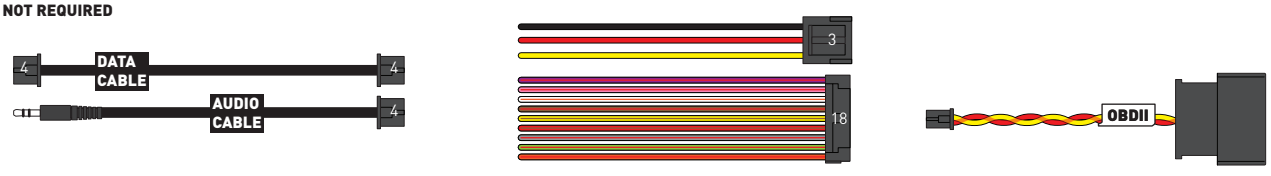
- Adjust volume using steering wheel volume up/down OR dimmer switch. If using dimmer switch, ensure headlight switch is NOT set to AUTO.

Automotive Data Solutions Inc. © 2023

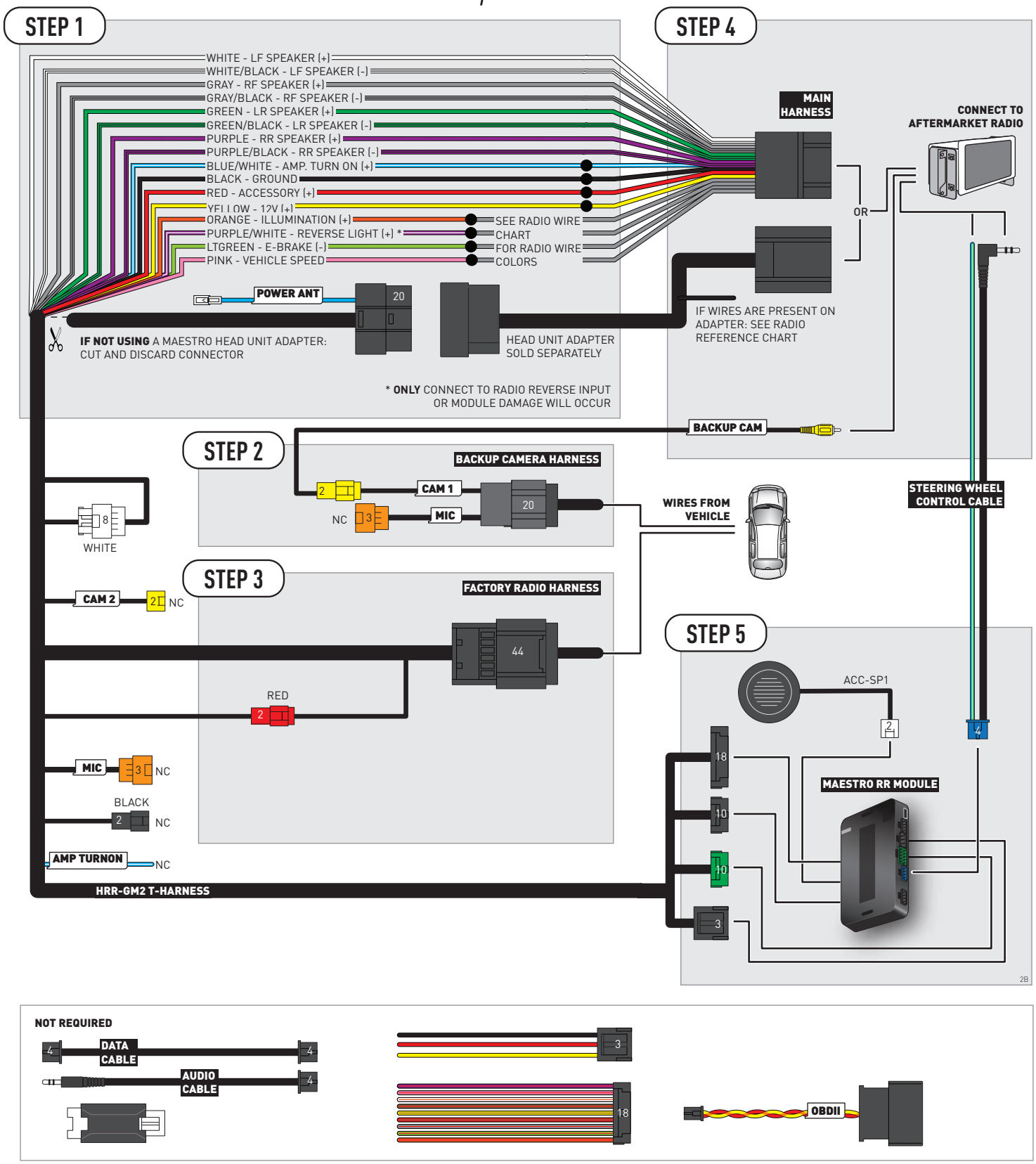
WIRING DIAGRAM *with an Amplifier*



NOT REQUIRED



WIRING DIAGRAM *without an Amplifier*



RADIO WIRE REFERENCE CHART

GM5+ (GM2) T-harness Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/ JVC cable	Wire Color on Pioneer cable	Wire Color on Sony cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light*	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A
Power Antenna	(+)	Blue	Blue	Blue	Blue/White	Blue or Blue/White

Head unit adapter wiring (optional accessory, sold separately)

ACC-HU-ALP1 Wire Description	Polarity	Wire Color on Adapter	Alpine Radio
VSS (vehicle speed sensor)	(DATA)	Green/White	Green/White

ACC-HU-KEN1 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
CAM	(+)	Green/Red	Refer to camera/radio manual
CAM	(-)	Green/White	Refer to camera/radio manual
Steering Wheel Controls	(DATA)	Blue/Yellow	Connect if no iDatalink 4-pin port on radio

ACC-HU-KEN2 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
E-Brake	(-)	LtGreen	LtGreen
Reverse Light*	(+)	Purple/White	Purple/White
Steering Wheel Controls	(DATA)	Blue/Yellow	Connect if no iDatalink 4-pin port on radio

* Reverse light wire: Only connect to radio or module damage will occur.

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 (RR2) Bluetooth activity	LED STATUS	DIAGNOSTIC
● or ●		RED or GREEN flashing	LED flashes 1 or more times, either red or green, **when a steering wheel button is pressed** : normal operation.
●		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do NOT use DEMO MODE.
●		1 GREEN flash	After radio boots up : Normal operation.
	●	3 GREEN flashes	Bluetooth is activated. Turns off after one minute: Normal operation.
●	●	OFF	Normal operation (inactive).

VIDEO HELP		Installation, product information, vehicle specific videos.
VERIFY FLASH		Last flash information, steering control configuration, vehicle information.
WEBLINK		Software to program module.

TROUBLESHOOTING TABLE P1 /2

PROBLEM	SOLUTION
Steering wheel controls do not work but LED on the Maestro does blink when steering wheel buttons are pressed.	Ensure the blue 4-pin steering wheel control cable is connected between the Maestro and the radio. The radio will use either the 3.5mm jack OR the blue/yellow wire, not both. Connect the 3.5mm jack from the Maestro blue 4-pin cable to the radio's 3.5mm port (labeled steering, remote, or wheel). If no such port exists, wire the blue/yellow to blue/yellow (Kenwood/JVC) or to the radio's Key 1 wire (brands not listed/other) and secure the 3.5mm jack. It will not be used. Verify the buttons are set up in the flash. If any button is set to "none" for "press once", it will do nothing. "Hold" column can be left as none and the "press once" function will operate with one press and when holding the button. Refer to radio's owner's manual to verify if the radio has this function: • JVC/Kenwood : Steering Wheel Control (ON/OFF): choose ON • Nakamichi : if model is listed, ensure PAC mode is on. If "other", learn the buttons in the radio steering wheel menu. • Sony : Steering Wheel Control (Custom/Preset): choose Preset. If phone buttons do not operate properly, flash the module as Pioneer – 2009 and newer with BT. Then select "custom" instead of "preset" and learn the buttons in the radio menu. • Other brands – radio should have a steering wheel menu to learn the buttons. You may have to select type A/B/C/1/2/3 and try learning again if buttons are not saving. Refer to radio manufacturer's tech support for further advice if not learning properly.
Radio does not turn on.	Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.
No sound from OnStar and/or no warning or turn signal chimes.	Plug the chime speaker in. Only turn signal chimes not working - verify "Turn Signal Reminder" is set to "Click in speaker" when programming the Maestro module. Chimes not working, but OnStar is - If vehicle was factory amplified and is now bypassed, ensure "Factory Amplifier" is turned off on the "Select how to configure your system" page when programming the Maestro module.
No sound from the Bose system (If equipped).	Make sure the amplifier turn on wire (Blue/White) of the T-Harness is connected to the radio's amplifier turn on wire. When flashing the Maestro make sure that the Amplifier in OEM Systems to Retain is selected. Make sure the RCA's are connected to the radio or the speaker wires are connected depending on your installation method.
Audio is very quiet or very loud.	Non amplified vehicles: ensure the AMP adapter is NOT plugged in between the white 8 pin plugs. Amplified vehicles: ensure the AMP adapter IS plugged in between the white 8 pin plugs.
(Vehicle using a GM2 harness only) Backup camera is not working and displays a black screen on radio when in reverse.	Ensure the 2-pin yellow plug is connected as shown on the diagram.
The light on the Maestro is flashing **RED ONCE**.	There is no firmware on the module; flash the RR module. DO NOT use demo mode.

TROUBLESHOOTING TABLE P2 /2

MAESTRO RR RESET PROCEDURE:

Turn the key to the OFF position, then disconnect all connectors from the module.
Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).
Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds to show the reset was successful.

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

IMPORTANT: To ensure proper operation, the aftermarket radio needs to have the latest firmware from the manufacturer. Please visit the radio manufacturer's website and look for any updates pertaining to your radio.

INSTALL GUIDE

2007-2011
GMC YUKON XL

RETAINS STEERING WHEEL CONTROLS, ONSTAR, BLUETOOTH AND MORE!



PRODUITS REQUIS
Interface de remplacement d'autoradio: iDatalink Maestro RR ou RR2
Câblage : iDatalink Maestro HRR-GM5+

PROGRAMMED FIRMWARE
ADS-RR(SR)-GM05-AS

ADDITIONAL RESOURCES
Maestro RR2 Programmable Outputs Guide

OPTIONAL ACCESSORIES

ACC-SP1

HEAD UNIT ADAPTER:
ACC-HU-PI01, SON1, KEN1, KEN2, ALP1

NOTICE: Automotive Data Solutions Inc. (ADS) recommends having this installation performed by a certified technician. Logos and trademarks used here in are the properties of their respective owners.

WELCOME

Congratulations on the purchase of your iDatalink Maestro RR Radio replacement solution. You are now a few simple steps away from enjoying your new car radio with enhanced features.

Before starting your installation, please ensure that your iDatalink Maestro module is programmed with the correct firmware for your vehicle and that you carefully review the install guide.

Please note that Maestro RR will only retain functionalities that were originally available in the vehicle.

TABLE OF CONTENTS

Before Installing	3
Installation Instructions	4
Wiring Diagram with an Amplifier	5
Wiring Diagram without an Amplifier	6
Radio Wire Reference Chart	7
Module Diagnostics	8
Troubleshooting Table	9

NEED HELP?

1 866 427-2999

maestro.support@idatalink.com

BEFORE INSTALLING P1 /1

STEP 1

DETERMINE IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

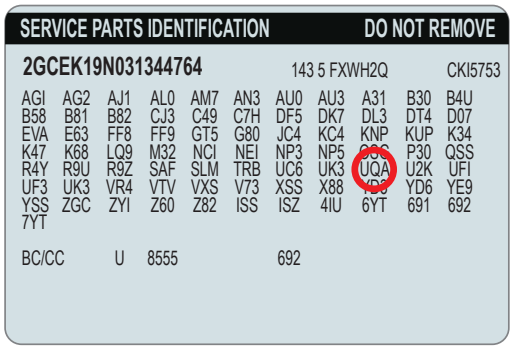
METHOD 1: Look for the following logos in the vehicle. They are usually on the speaker covers or on the radio unit. If you find any of the following logos Bose, Pioneer or Monsoon, you have a factory amplifier.

BOSE

Pioneer

MONSOON

METHOD 2: Look for the following sticker in the glove box. This sticker will indicate all the Regular Production Option (RPO) codes. If you find any of the following codes UQA, UQS or UQG, you have a factory amplifier.



STEP 2

IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **with an amplifier** and read the "**AMPLIFIER ONLY**" note to determine if you should use rca's or level matching circuits.

IF YOUR VEHICLE NOT IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **without an amplifier**.

Automotive Data Solutions Inc. © 2023

INSTALLATION INSTRUCTIONS P1/1

STEP 1

Remove the factory radio

If using head unit adapter (sold separately), connect HRR-GM5+ harness to adapter and skip to step 2.

- Unbox the aftermarket radio and locate its main harness.
- Cut and remove the black 20 pin connector from the HRR-GM5+ T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the HRR-GM5+ T-harness and match the wire functions.

  Note: only connect purple/white wire to radio reverse input or module damage will occur.

STEP 2

- Connect the factory harness to the HRR-GM5+ T-harness.
- Without AMP: Ensure that the WHITE 8 pin plugs are connected.
- With AMP: Connect the HRR-GM5+ 8 pin WHITE connectors to the AMP adapter.

STEP 3

- Plug the harnesses into the aftermarket radio.
- Connect the backup camera RCA cable into the aftermarket radio.
- With AMP: Connect the Center and SUB RCA cables.
- Plug the steering wheel control cable into the aftermarket radio.

STEP 4

- Connect the ACC-SP1 speaker to Maestro module.
- Connect all the harnesses to the Maestro RR module then test your installation.

OnStar, turn signal volume, or warning chime adjust:

- Turn ignition (IGN) on
- Open driver's door

Select to adjust:

OnStar level - Press OnStar button.

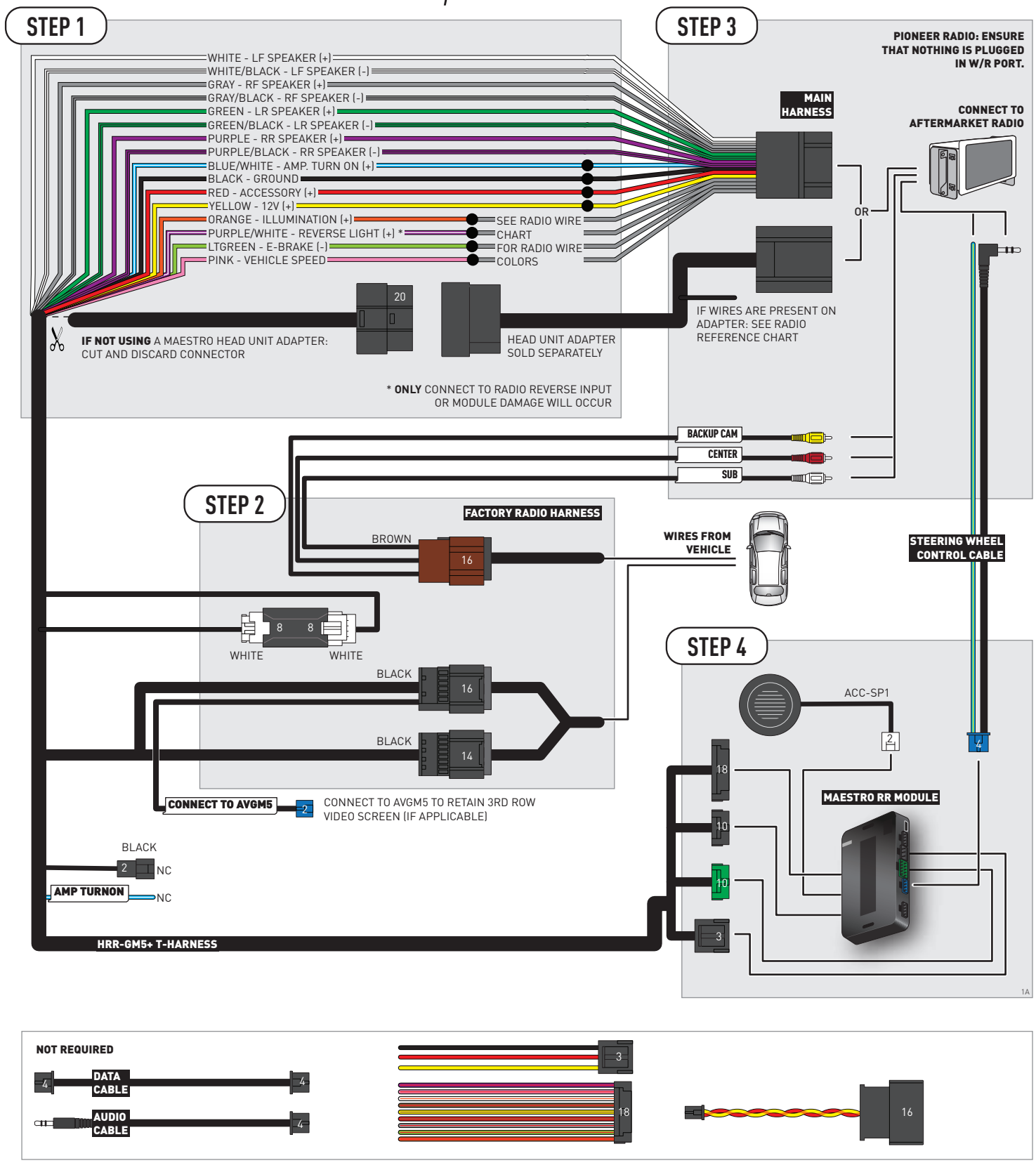
Turn signal level - activate either turn signal.

Warning chime level - turn headlight switch to parking light position (not AUTO).

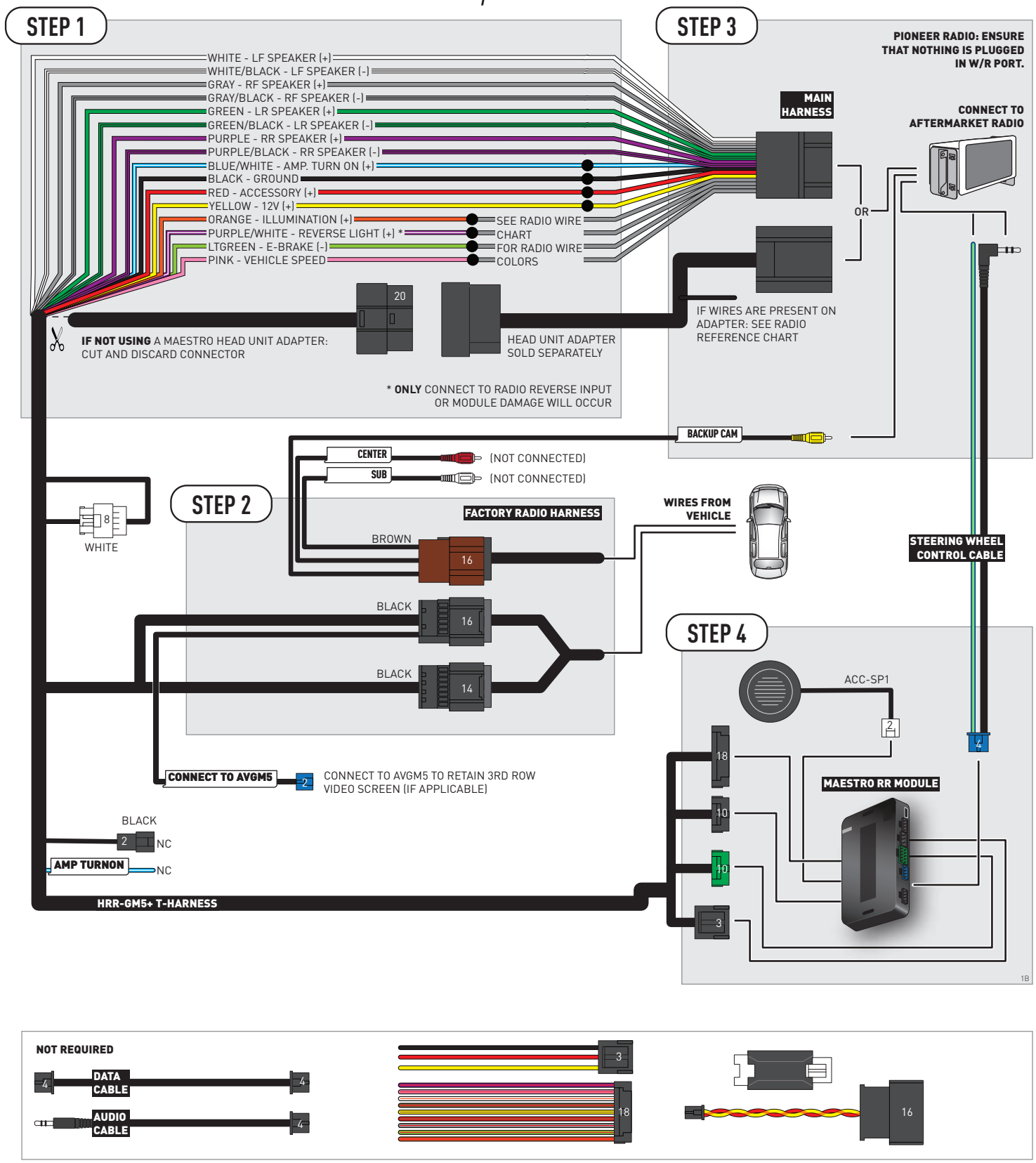
- Adjust volume using steering wheel volume up/down OR dimmer switch. If using dimmer switch, ensure headlight switch is NOT set to AUTO.

1

WIRING DIAGRAM *with an Amplifier*



WIRING DIAGRAM *without an Amplifier*



RADIO WIRE REFERENCE CHART

GM5+ (GM2) T-harness Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/ JVC cable	Wire Color on Pioneer cable	Wire Color on Sony cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light*	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A
Power Antenna	(+)	Blue	Blue	Blue	Blue/White	Blue or Blue/White

Head unit adapter wiring (optional accessory, sold separately)

ACC-HU-ALP1 Wire Description	Polarity	Wire Color on Adapter	Alpine Radio
VSS (vehicle speed sensor)	(DATA)	Green/White	Green/White

ACC-HU-KEN1 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
CAM	(+)	Green/Red	Refer to camera/radio manual
CAM	(-)	Green/White	Refer to camera/radio manual
Steering Wheel Controls	(DATA)	Blue/Yellow	Connect if no iDatalink 4-pin port on radio

ACC-HU-KEN2 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
E-Brake	(-)	LtGreen	LtGreen
Reverse Light*	(+)	Purple/White	Purple/White
Steering Wheel Controls	(DATA)	Blue/Yellow	Connect if no iDatalink 4-pin port on radio

* Reverse light wire: Only connect to radio or module damage will occur.

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 (RR2) Bluetooth activity	LED STATUS	DIAGNOSTIC
● or ●		RED or GREEN flashing	LED flashes 1 or more times, either red or green, **when a steering wheel button is pressed** : normal operation.
●		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do NOT use DEMO MODE.
●		1 GREEN flash	After radio boots up : Normal operation.
	●	3 GREEN flashes	Bluetooth is activated. Turns off after one minute: Normal operation.
●	●	OFF	Normal operation (inactive).

VIDEO HELP		Installation, product information, vehicle specific videos.
VERIFY FLASH		Last flash information, steering control configuration, vehicle information.
WEBLINK		Software to program module.

TROUBLESHOOTING TABLE P1 /2

PROBLEM	SOLUTION
Steering wheel controls do not work but LED on the Maestro does blink when steering wheel buttons are pressed.	Ensure the blue 4-pin steering wheel control cable is connected between the Maestro and the radio. The radio will use either the 3.5mm jack OR the blue/yellow wire, not both. Connect the 3.5mm jack from the Maestro blue 4-pin cable to the radio's 3.5mm port (labeled steering, remote, or wheel). If no such port exists, wire the blue/yellow to blue/yellow (Kenwood/JVC) or to the radio's Key 1 wire (brands not listed/other) and secure the 3.5mm jack. It will not be used. Verify the buttons are set up in the flash. If any button is set to "none" for "press once", it will do nothing. "Hold" column can be left as none and the "press once" function will operate with one press and when holding the button. Refer to radio's owner's manual to verify if the radio has this function: • JVC/Kenwood : Steering Wheel Control (ON/OFF): choose ON • Nakamichi : if model is listed, ensure PAC mode is on. If "other", learn the buttons in the radio steering wheel menu. • Sony : Steering Wheel Control (Custom/Preset): choose Preset. If phone buttons do not operate properly, flash the module as Pioneer – 2009 and newer with BT. Then select "custom" instead of "preset" and learn the buttons in the radio menu. • Other brands – radio should have a steering wheel menu to learn the buttons. You may have to select type A/B/C/1/2/3 and try learning again if buttons are not saving. Refer to radio manufacturer's tech support for further advice if not learning properly.
Radio does not turn on.	Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.
No sound from OnStar and/or no warning or turn signal chimes.	Plug the chime speaker in. Only turn signal chimes not working - verify "Turn Signal Reminder" is set to "Click in speaker" when programming the Maestro module. Chimes not working, but OnStar is - If vehicle was factory amplified and is now bypassed, ensure "Factory Amplifier" is turned off on the "Select how to configure your system" page when programming the Maestro module.
No sound from the Bose system (If equipped).	Make sure the amplifier turn on wire (Blue/White) of the T-Harness is connected to the radio's amplifier turn on wire. When flashing the Maestro make sure that the Amplifier in OEM Systems to Retain is selected. Make sure the RCA's are connected to the radio or the speaker wires are connected depending on your installation method.
Audio is very quiet or very loud.	Non amplified vehicles: ensure the AMP adapter is NOT plugged in between the white 8 pin plugs. Amplified vehicles: ensure the AMP adapter IS plugged in between the white 8 pin plugs.
(Vehicle using a GM2 harness only) Backup camera is not working and displays a black screen on radio when in reverse.	Ensure the 2-pin yellow plug is connected as shown on the diagram.
The light on the Maestro is flashing **RED ONCE**.	There is no firmware on the module; flash the RR module. DO NOT use demo mode.

TROUBLESHOOTING TABLE P2 /2

MAESTRO RR RESET PROCEDURE:

Turn the key to the OFF position, then disconnect all connectors from the module.
Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).
Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds to show the reset was successful.

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

IMPORTANT: To ensure proper operation, the aftermarket radio needs to have the latest firmware from the manufacturer. Please visit the radio manufacturer's website and look for any updates pertaining to your radio.

INSTALL GUIDE

2012-2014
GMC YUKON XL
WITH NAV

RETAINS STEERING WHEEL CONTROLS, ONSTAR, BLUETOOTH AND MORE!



PRODUITS REQUIS
Interface de remplacement d'autoradio: iDatalink Maestro RR ou RR2
Câblage : iDatalink Maestro HRR-GM2

PROGRAMMED FIRMWARE
ADS-RR(SR)-GM05-AS

ADDITIONAL RESOURCES
Maestro RR2 Programmable Outputs Guide

OPTIONAL ACCESSORIES

ACC-SP1

HEAD UNIT ADAPTER:
ACC-HU-PIO1, SON1, KEN1, KEN2, ALP1

NOTICE: Automotive Data Solutions Inc. (ADS) recommends having this installation performed by a certified technician. Logos and trademarks used here in are the properties of their respective owners.

WELCOME

Congratulations on the purchase of your iDatalink Maestro RR Radio replacement solution. You are now a few simple steps away from enjoying your new car radio with enhanced features.

Before starting your installation, please ensure that your iDatalink Maestro module is programmed with the correct firmware for your vehicle and that you carefully review the install guide.

Please note that Maestro RR will only retain functionalities that were originally available in the vehicle.

TABLE OF CONTENTS

Before Installing	3
Installation Instructions	4
Wiring Diagram with an Amplifier	5
Wiring Diagram without an Amplifier	6
Radio Wire Reference Chart	7
Module Diagnostics	8
Troubleshooting Table	9

NEED HELP?

1 866 427-2999

maestro.support@idatalink.com

BEFORE INSTALLING P1 /1

STEP 1

DETERMINE IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

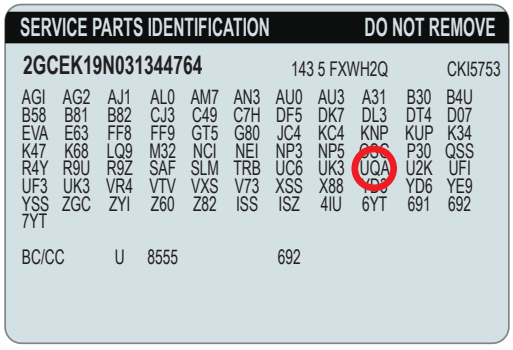
METHOD 1: Look for the following logos in the vehicle. They are usually on the speaker covers or on the radio unit. If you find any of the following logos Bose, Pioneer or Monsoon, you have a factory amplifier.

BOSE

Pioneer

MONSOON

METHOD 2: Look for the following sticker in the glove box. This sticker will indicate all the Regular Production Option (RPO) codes. If you find any of the following codes UQA, UQS or UQG, you have a factory amplifier.



STEP 2

IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **with an amplifier** and read the "**AMPLIFIER ONLY**" note to determine if you should use rca's or level matching circuits.

IF YOUR VEHICLE NOT IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **without an amplifier**.

Automotive Data Solutions Inc. © 2023

INSTALLATION INSTRUCTIONS P1/1

STEP 1

Remove the factory radio

If using head unit adapter (sold separately), connect HRR-GM2 harness to adapter and skip to step 2.

- Unbox the aftermarket radio and locate its main harness.
- Cut and remove the black 20 pin connector from the HRR-GM2 T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the HRR-GM2 T-harness and match the wire functions.

  Note: only connect purple/white wire to radio reverse input or module damage will occur.

STEP 2

- Connect the YELLOW 2 pin connector of the backup camera cable to the YELLOW connector (CAM 1) of the backup camera adapter. Connect GRAY connector of adapter to the vehicle backup camera harness.

STEP 3

- Connect the factory harness to the HRR-GM2 T-harness.
- Ensure that the RED 2 pin plugs are connected.
- Without AMP: Ensure that the WHITE 8 pin plugs are connected.
- With AMP: Connect the HRR-GM2 8 pin WHITE connectors to the AMP adapter.

STEP 4

- Plug the harnesses into the aftermarket radio.
- Connect the backup camera RCA cable into the aftermarket radio.
- Plug the steering wheel control cable into the aftermarket radio.

STEP 5

- Connect the ACC-SP1 speaker to Maestro module.
- Connect all the harnesses to the Maestro RR module then test your installation.

OnStar, turn signal volume, or warning chime adjust:

- Turn ignition (IGN) on
- Open driver's door

Select to adjust:

OnStar level - Press OnStar button.

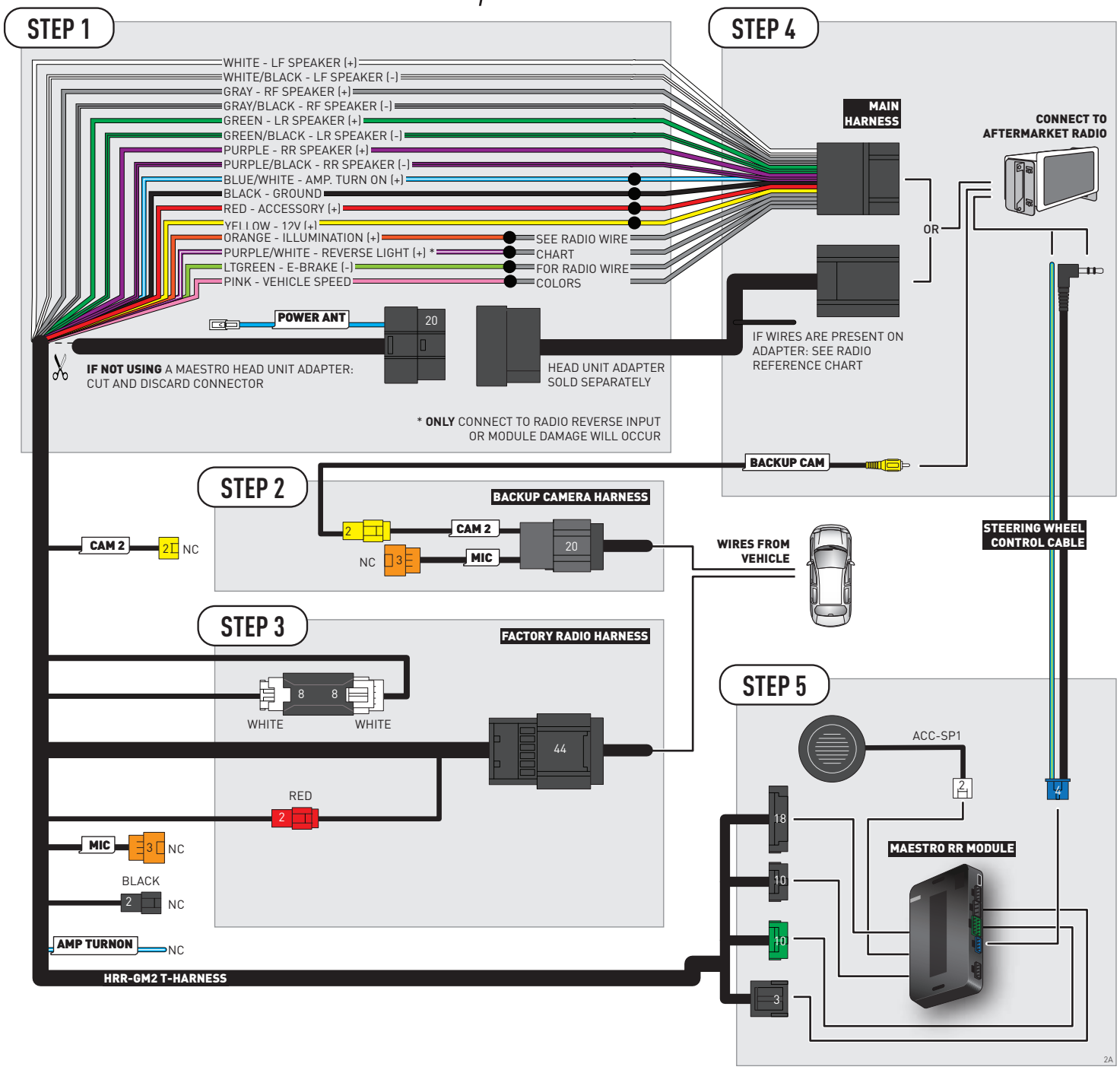
Turn signal level - activate either turn signal.

Warning chime level - turn headlight switch to parking light position (not AUTO).

- Adjust volume using steering wheel volume up/down OR dimmer switch. If using dimmer switch, ensure headlight switch is NOT set to AUTO.

Automotive Data Solutions Inc. © 2023

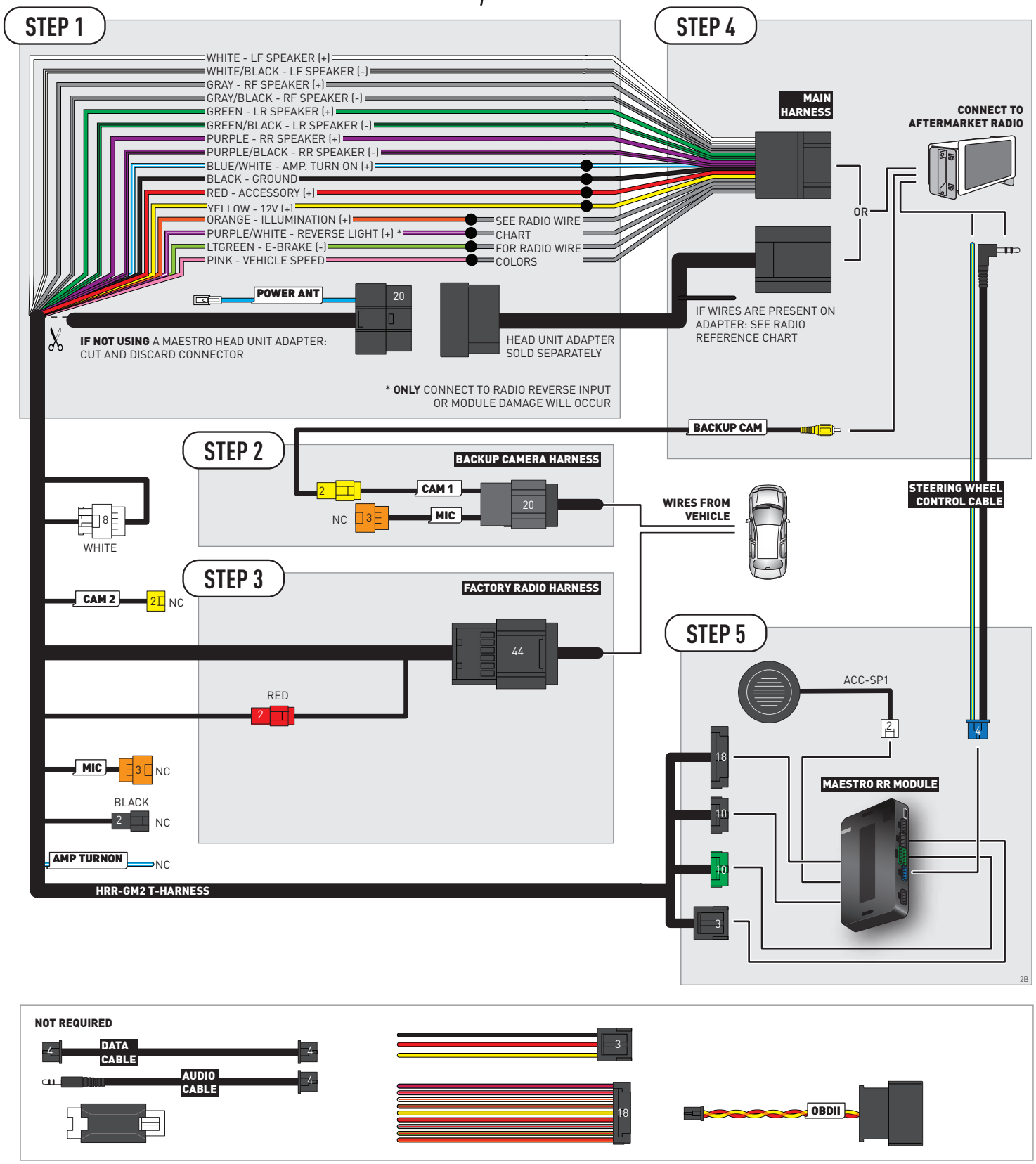
WIRING DIAGRAM *with an Amplifier*



NOT REQUIRED



WIRING DIAGRAM *without an Amplifier*



RADIO WIRE REFERENCE CHART

GM5+ (GM2) T-harness Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/ JVC cable	Wire Color on Pioneer cable	Wire Color on Sony cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light*	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A
Power Antenna	(+)	Blue	Blue	Blue	Blue/White	Blue or Blue/White

Head unit adapter wiring (optional accessory, sold separately)

ACC-HU-ALP1 Wire Description	Polarity	Wire Color on Adapter	Alpine Radio
VSS (vehicle speed sensor)	(DATA)	Green/White	Green/White

ACC-HU-KEN1 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
CAM	(+)	Green/Red	Refer to camera/radio manual
CAM	(-)	Green/White	Refer to camera/radio manual
Steering Wheel Controls	(DATA)	Blue/Yellow	Connect if no iDatalink 4-pin port on radio

ACC-HU-KEN2 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
E-Brake	(-)	LtGreen	LtGreen
Reverse Light*	(+)	Purple/White	Purple/White
Steering Wheel Controls	(DATA)	Blue/Yellow	Connect if no iDatalink 4-pin port on radio

* Reverse light wire: Only connect to radio or module damage will occur.

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 (RR2) Bluetooth activity	LED STATUS	DIAGNOSTIC
● or ●		RED or GREEN flashing	LED flashes 1 or more times, either red or green, **when a steering wheel button is pressed** : normal operation.
●		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do NOT use DEMO MODE.
●		1 GREEN flash	After radio boots up : Normal operation.
	●	3 GREEN flashes	Bluetooth is activated. Turns off after one minute: Normal operation.
●	●	OFF	Normal operation (inactive).

VIDEO HELP		Installation, product information, vehicle specific videos.
VERIFY FLASH		Last flash information, steering control configuration, vehicle information.
WEBLINK		Software to program module.

TROUBLESHOOTING TABLE P1 /2

PROBLEM	SOLUTION
Steering wheel controls do not work but LED on the Maestro does blink when steering wheel buttons are pressed.	Ensure the blue 4-pin steering wheel control cable is connected between the Maestro and the radio. The radio will use either the 3.5mm jack OR the blue/yellow wire, not both. Connect the 3.5mm jack from the Maestro blue 4-pin cable to the radio's 3.5mm port (labeled steering, remote, or wheel). If no such port exists, wire the blue/yellow to blue/yellow (Kenwood/JVC) or to the radio's Key 1 wire (brands not listed/other) and secure the 3.5mm jack. It will not be used. Verify the buttons are set up in the flash. If any button is set to "none" for "press once", it will do nothing. "Hold" column can be left as none and the "press once" function will operate with one press and when holding the button. Refer to radio's owner's manual to verify if the radio has this function: • JVC/Kenwood : Steering Wheel Control (ON/OFF): choose ON • Nakamichi : if model is listed, ensure PAC mode is on. If "other", learn the buttons in the radio steering wheel menu. • Sony : Steering Wheel Control (Custom/Preset): choose Preset. If phone buttons do not operate properly, flash the module as Pioneer – 2009 and newer with BT. Then select "custom" instead of "preset" and learn the buttons in the radio menu. • Other brands – radio should have a steering wheel menu to learn the buttons. You may have to select type A/B/C/1/2/3 and try learning again if buttons are not saving. Refer to radio manufacturer's tech support for further advice if not learning properly.
Radio does not turn on.	Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.
No sound from OnStar and/or no warning or turn signal chimes.	Plug the chime speaker in. Only turn signal chimes not working - verify "Turn Signal Reminder" is set to "Click in speaker" when programming the Maestro module. Chimes not working, but OnStar is - If vehicle was factory amplified and is now bypassed, ensure "Factory Amplifier" is turned off on the "Select how to configure your system" page when programming the Maestro module.
No sound from the Bose system (If equipped).	Make sure the amplifier turn on wire (Blue/White) of the T-Harness is connected to the radio's amplifier turn on wire. When flashing the Maestro make sure that the Amplifier in OEM Systems to Retain is selected. Make sure the RCA's are connected to the radio or the speaker wires are connected depending on your installation method.
Audio is very quiet or very loud.	Non amplified vehicles: ensure the AMP adapter is NOT plugged in between the white 8 pin plugs. Amplified vehicles: ensure the AMP adapter IS plugged in between the white 8 pin plugs.
(Vehicle using a GM2 harness only) Backup camera is not working and displays a black screen on radio when in reverse.	Ensure the 2-pin yellow plug is connected as shown on the diagram.
The light on the Maestro is flashing **RED ONCE**.	There is no firmware on the module; flash the RR module. DO NOT use demo mode.

TROUBLESHOOTING TABLE P2 /2

MAESTRO RR RESET PROCEDURE:

Turn the key to the OFF position, then disconnect all connectors from the module.
Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).
Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds to show the reset was successful.

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

IMPORTANT: To ensure proper operation, the aftermarket radio needs to have the latest firmware from the manufacturer. Please visit the radio manufacturer's website and look for any updates pertaining to your radio.

INSTALL GUIDE

2012-2014
GMC YUKON XL
WITHOUT NAV

RETAINS STEERING WHEEL CONTROLS, ONSTAR, BLUETOOTH AND MORE!



PRODUITS REQUIS
Interface de remplacement d'autoradio: iDatalink Maestro RR ou RR2
Câblage : iDatalink Maestro HRR-GM5+

PROGRAMMED FIRMWARE
ADS-RR(SR)-GM05-AS

ADDITIONAL RESOURCES
Maestro RR2 Programmable Outputs Guide

OPTIONAL ACCESSORIES

ACC-SP1

HEAD UNIT ADAPTER:
ACC-HU-PI01, SON1, KEN1, KEN2, ALP1

NOTICE: Automotive Data Solutions Inc. (ADS) recommends having this installation performed by a certified technician. Logos and trademarks used here in are the properties of their respective owners.

WELCOME

Congratulations on the purchase of your iDatalink Maestro RR Radio replacement solution. You are now a few simple steps away from enjoying your new car radio with enhanced features.

Before starting your installation, please ensure that your iDatalink Maestro module is programmed with the correct firmware for your vehicle and that you carefully review the install guide.

Please note that Maestro RR will only retain functionalities that were originally available in the vehicle.

TABLE OF CONTENTS

Before Installing	3
Installation Instructions	4
Wiring Diagram with an Amplifier	5
Wiring Diagram without an Amplifier	6
Radio Wire Reference Chart	7
Module Diagnostics	8
Troubleshooting Table	9

NEED HELP?

1 866 427-2999

maestro.support@idatalink.com

BEFORE INSTALLING P1 /1

STEP 1

DETERMINE IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

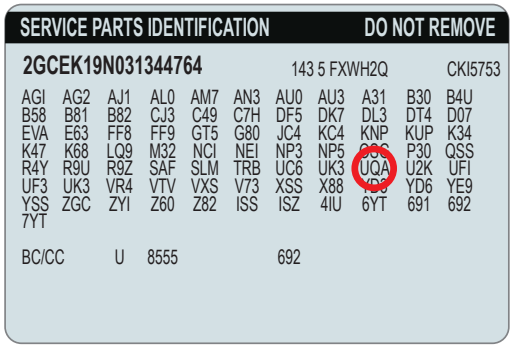
METHOD 1: Look for the following logos in the vehicle. They are usually on the speaker covers or on the radio unit. If you find any of the following logos Bose, Pioneer or Monsoon, you have a factory amplifier.

BOSE

Pioneer

MONSOON

METHOD 2: Look for the following sticker in the glove box. This sticker will indicate all the Regular Production Option (RPO) codes. If you find any of the following codes UQA, UQS or UQG, you have a factory amplifier.



STEP 2

IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **with an amplifier** and read the "**AMPLIFIER ONLY**" note to determine if you should use rca's or level matching circuits.

IF YOUR VEHICLE NOT IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **without an amplifier**.

Automotive Data Solutions Inc. © 2023

INSTALLATION INSTRUCTIONS P1/1

STEP 1

Remove the factory radio

If using head unit adapter (sold separately), connect HRR-GM5+ harness to adapter and skip to step 2.

- Unbox the aftermarket radio and locate its main harness.
- Cut and remove the black 20 pin connector from the HRR-GM5+ T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the HRR-GM5+ T-harness and match the wire functions.

  Note: only connect purple/white wire to radio reverse input or module damage will occur.

STEP 2

- Connect the factory harness to the HRR-GM5+ T-harness.
- Without AMP: Ensure that the WHITE 8 pin plugs are connected.
- With AMP: Connect the HRR-GM5+ 8 pin WHITE connectors to the AMP adapter.

STEP 3

- Plug the harnesses into the aftermarket radio.
- Connect the backup camera RCA cable into the aftermarket radio.
- With AMP: Connect the Center and SUB RCA cables.
- Plug the steering wheel control cable into the aftermarket radio.

STEP 4

- Connect the ACC-SP1 speaker to Maestro module.
- Connect all the harnesses to the Maestro RR module then test your installation.

OnStar, turn signal volume, or warning chime adjust:

- Turn ignition (IGN) on
- Open driver's door

Select to adjust:

OnStar level - Press OnStar button.

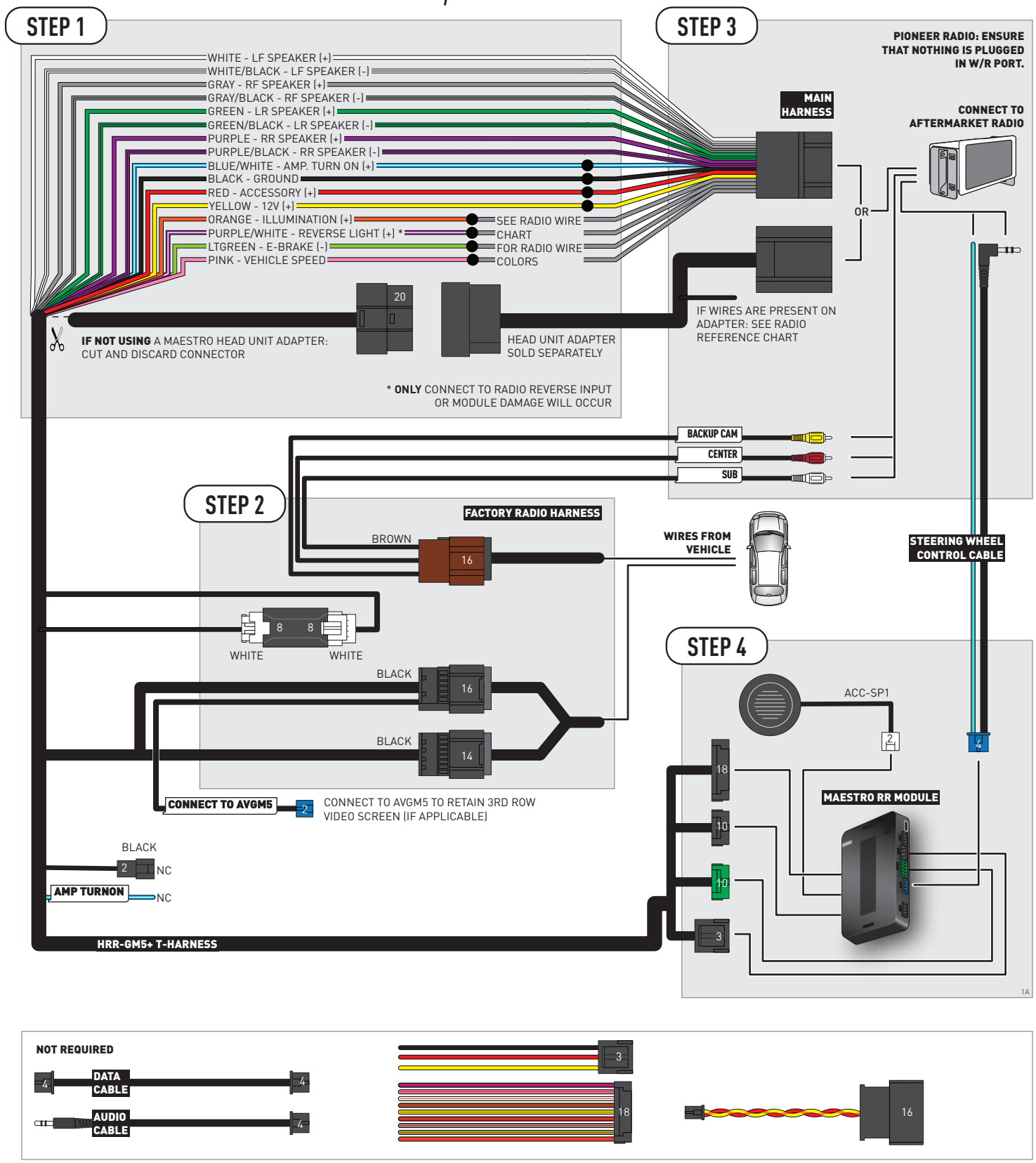
Turn signal level - activate either turn signal.

Warning chime level - turn headlight switch to parking light position (not AUTO).

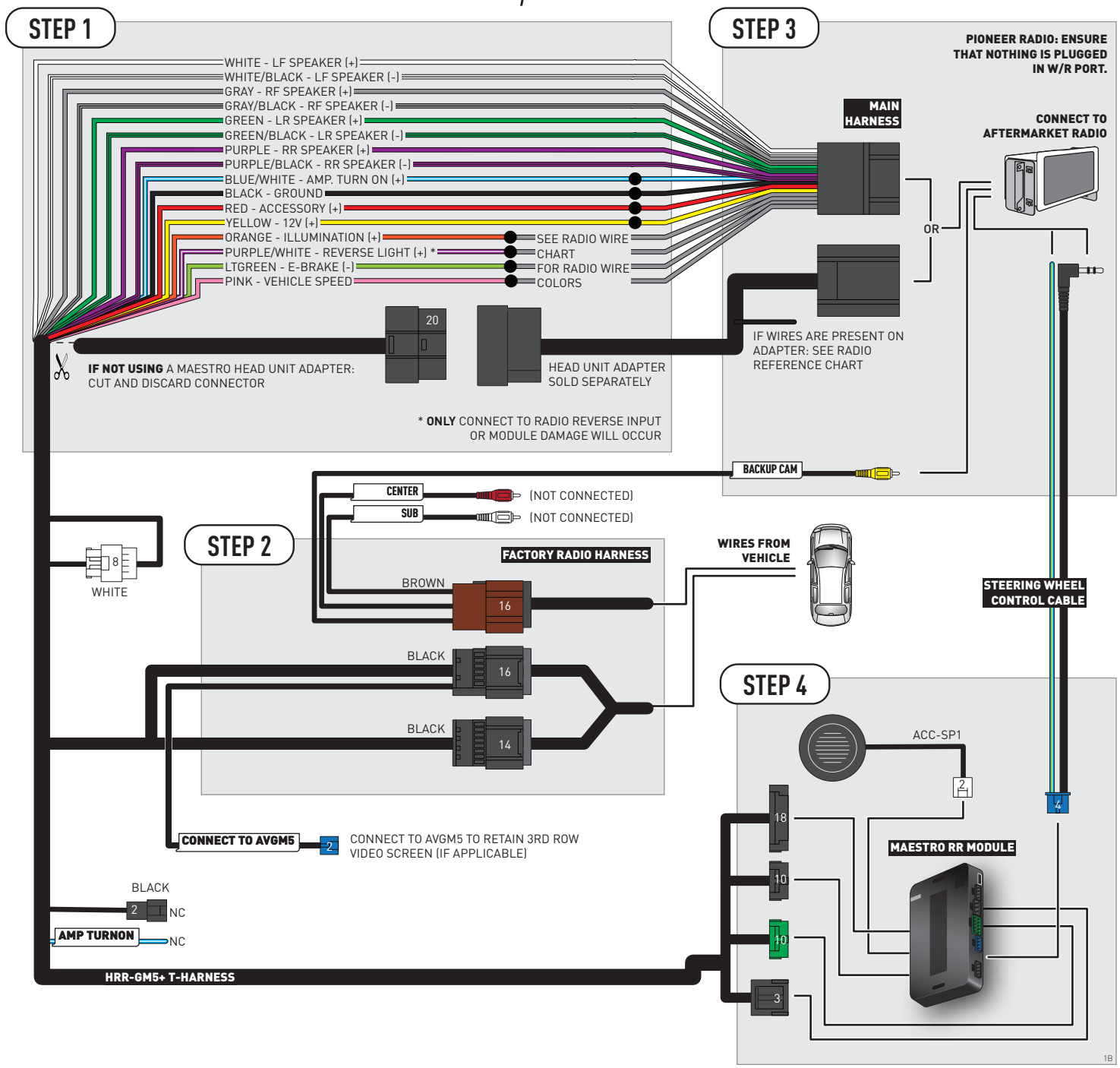
- Adjust volume using steering wheel volume up/down OR dimmer switch. If using dimmer switch, ensure headlight switch is NOT set to AUTO.

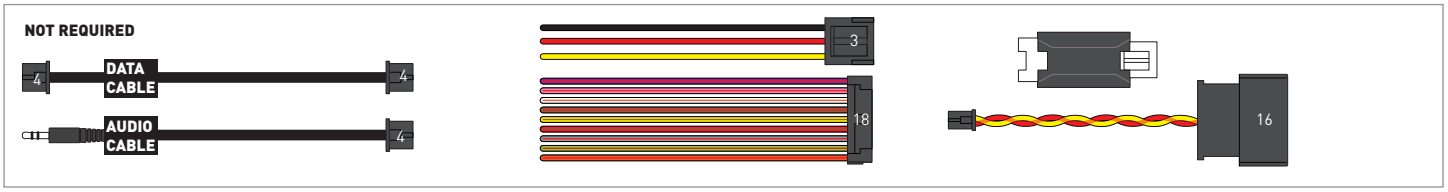
1

WIRING DIAGRAM *with an Amplifier*



WIRING DIAGRAM *without an Amplifier*





RADIO WIRE REFERENCE CHART

GM5+ (GM2) T-harness Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/ JVC cable	Wire Color on Pioneer cable	Wire Color on Sony cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light*	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A
Power Antenna	(+)	Blue	Blue	Blue	Blue/White	Blue or Blue/White

Head unit adapter wiring (optional accessory, sold separately)

ACC-HU-ALP1 Wire Description	Polarity	Wire Color on Adapter	Alpine Radio
VSS (vehicle speed sensor)	(DATA)	Green/White	Green/White

ACC-HU-KEN1 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
CAM	(+)	Green/Red	Refer to camera/radio manual
CAM	(-)	Green/White	Refer to camera/radio manual
Steering Wheel Controls	(DATA)	Blue/Yellow	Connect if no iDatalink 4-pin port on radio

ACC-HU-KEN2 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
E-Brake	(-)	LtGreen	LtGreen
Reverse Light*	(+)	Purple/White	Purple/White
Steering Wheel Controls	(DATA)	Blue/Yellow	Connect if no iDatalink 4-pin port on radio

* Reverse light wire: Only connect to radio or module damage will occur.

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 (RR2) Bluetooth activity	LED STATUS	DIAGNOSTIC
● or ●		RED or GREEN flashing	LED flashes 1 or more times, either red or green, **when a steering wheel button is pressed** : normal operation.
●		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do NOT use DEMO MODE.
●		1 GREEN flash	After radio boots up : Normal operation.
	●	3 GREEN flashes	Bluetooth is activated. Turns off after one minute: Normal operation.
●	●	OFF	Normal operation (inactive).

VIDEO HELP		Installation, product information, vehicle specific videos.
VERIFY FLASH		Last flash information, steering control configuration, vehicle information.
WEBLINK		Software to program module.

TROUBLESHOOTING TABLE P1 /2

PROBLEM	SOLUTION
Steering wheel controls do not work but LED on the Maestro does blink when steering wheel buttons are pressed.	Ensure the blue 4-pin steering wheel control cable is connected between the Maestro and the radio. The radio will use either the 3.5mm jack OR the blue/yellow wire, not both. Connect the 3.5mm jack from the Maestro blue 4-pin cable to the radio's 3.5mm port (labeled steering, remote, or wheel). If no such port exists, wire the blue/yellow to blue/yellow (Kenwood/JVC) or to the radio's Key 1 wire (brands not listed/other) and secure the 3.5mm jack. It will not be used. Verify the buttons are set up in the flash. If any button is set to "none" for "press once", it will do nothing. "Hold" column can be left as none and the "press once" function will operate with one press and when holding the button. Refer to radio's owner's manual to verify if the radio has this function: • JVC/Kenwood : Steering Wheel Control (ON/OFF): choose ON • Nakamichi : if model is listed, ensure PAC mode is on. If "other", learn the buttons in the radio steering wheel menu. • Sony : Steering Wheel Control (Custom/Preset): choose Preset. If phone buttons do not operate properly, flash the module as Pioneer – 2009 and newer with BT. Then select "custom" instead of "preset" and learn the buttons in the radio menu. • Other brands – radio should have a steering wheel menu to learn the buttons. You may have to select type A/B/C/1/2/3 and try learning again if buttons are not saving. Refer to radio manufacturer's tech support for further advice if not learning properly.
Radio does not turn on.	Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.
No sound from OnStar and/or no warning or turn signal chimes.	Plug the chime speaker in. Only turn signal chimes not working - verify "Turn Signal Reminder" is set to "Click in speaker" when programming the Maestro module. Chimes not working, but OnStar is - If vehicle was factory amplified and is now bypassed, ensure "Factory Amplifier" is turned off on the "Select how to configure your system" page when programming the Maestro module.
No sound from the Bose system (If equipped).	Make sure the amplifier turn on wire (Blue/White) of the T-Harness is connected to the radio's amplifier turn on wire. When flashing the Maestro make sure that the Amplifier in OEM Systems to Retain is selected. Make sure the RCA's are connected to the radio or the speaker wires are connected depending on your installation method.
Audio is very quiet or very loud.	Non amplified vehicles: ensure the AMP adapter is NOT plugged in between the white 8 pin plugs. Amplified vehicles: ensure the AMP adapter IS plugged in between the white 8 pin plugs.
(Vehicle using a GM2 harness only) Backup camera is not working and displays a black screen on radio when in reverse.	Ensure the 2-pin yellow plug is connected as shown on the diagram.
The light on the Maestro is flashing **RED ONCE**.	There is no firmware on the module; flash the RR module. DO NOT use demo mode.

TROUBLESHOOTING TABLE P2 /2

MAESTRO RR RESET PROCEDURE:

Turn the key to the OFF position, then disconnect all connectors from the module.
Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).
Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds to show the reset was successful.

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

IMPORTANT: To ensure proper operation, the aftermarket radio needs to have the latest firmware from the manufacturer. Please visit the radio manufacturer's website and look for any updates pertaining to your radio.

INSTALL GUIDE

2012-2014
GMC YUKON
WITHOUT NAV

RETAINS STEERING WHEEL CONTROLS, ONSTAR, BLUETOOTH AND MORE!



PRODUITS REQUIS
Interface de remplacement d'autoradio: iDatalink Maestro RR ou RR2
Câblage : iDatalink Maestro HRR-GM5+

PROGRAMMED FIRMWARE
ADS-RR(SR)-GM05-AS

ADDITIONAL RESOURCES
Maestro RR2 Programmable Outputs Guide

OPTIONAL ACCESSORIES

ACC-SP1

HEAD UNIT ADAPTER:
ACC-HU-PIO1, SON1, KEN1, KEN2, ALP1

NOTICE: Automotive Data Solutions Inc. (ADS) recommends having this installation performed by a certified technician. Logos and trademarks used here in are the properties of their respective owners.

WELCOME

Congratulations on the purchase of your iDatalink Maestro RR Radio replacement solution. You are now a few simple steps away from enjoying your new car radio with enhanced features.

Before starting your installation, please ensure that your iDatalink Maestro module is programmed with the correct firmware for your vehicle and that you carefully review the install guide.

Please note that Maestro RR will only retain functionalities that were originally available in the vehicle.

TABLE OF CONTENTS

Before Installing	3
Installation Instructions	4
Wiring Diagram with an Amplifier	5
Wiring Diagram without an Amplifier	6
Radio Wire Reference Chart	7
Module Diagnostics	8
Troubleshooting Table	9

NEED HELP?

1 866 427-2999

maestro.support@idatalink.com

BEFORE INSTALLING P1 /1

STEP 1

DETERMINE IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

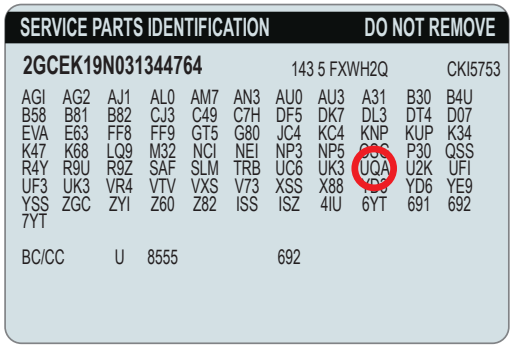
METHOD 1: Look for the following logos in the vehicle. They are usually on the speaker covers or on the radio unit. If you find any of the following logos Bose, Pioneer or Monsoon, you have a factory amplifier.

BOSE

Pioneer

MONSOON

METHOD 2: Look for the following sticker in the glove box. This sticker will indicate all the Regular Production Option (RPO) codes. If you find any of the following codes UQA, UQS or UQG, you have a factory amplifier.



STEP 2

IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **with an amplifier** and read the "**AMPLIFIER ONLY**" note to determine if you should use rca's or level matching circuits.

IF YOUR VEHICLE NOT IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **without an amplifier**.

Automotive Data Solutions Inc. © 2023

INSTALLATION INSTRUCTIONS P1/1

STEP 1

Remove the factory radio

If using head unit adapter (sold separately), connect HRR-GM5+ harness to adapter and skip to step 2.

- Unbox the aftermarket radio and locate its main harness.
- Cut and remove the black 20 pin connector from the HRR-GM5+ T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the HRR-GM5+ T-harness and match the wire functions.

  Note: only connect purple/white wire to radio reverse input or module damage will occur.

STEP 2

- Connect the factory harness to the HRR-GM5+ T-harness.
- Without AMP: Ensure that the WHITE 8 pin plugs are connected.
- With AMP: Connect the HRR-GM5+ 8 pin WHITE connectors to the AMP adapter.

STEP 3

- Plug the harnesses into the aftermarket radio.
- Connect the backup camera RCA cable into the aftermarket radio.
- With AMP: Connect the Center and SUB RCA cables.
- Plug the steering wheel control cable into the aftermarket radio.

STEP 4

- Connect the ACC-SP1 speaker to Maestro module.
- Connect all the harnesses to the Maestro RR module then test your installation.

OnStar, turn signal volume, or warning chime adjust:

- Turn ignition (IGN) on
- Open driver's door

Select to adjust:

OnStar level - Press OnStar button.

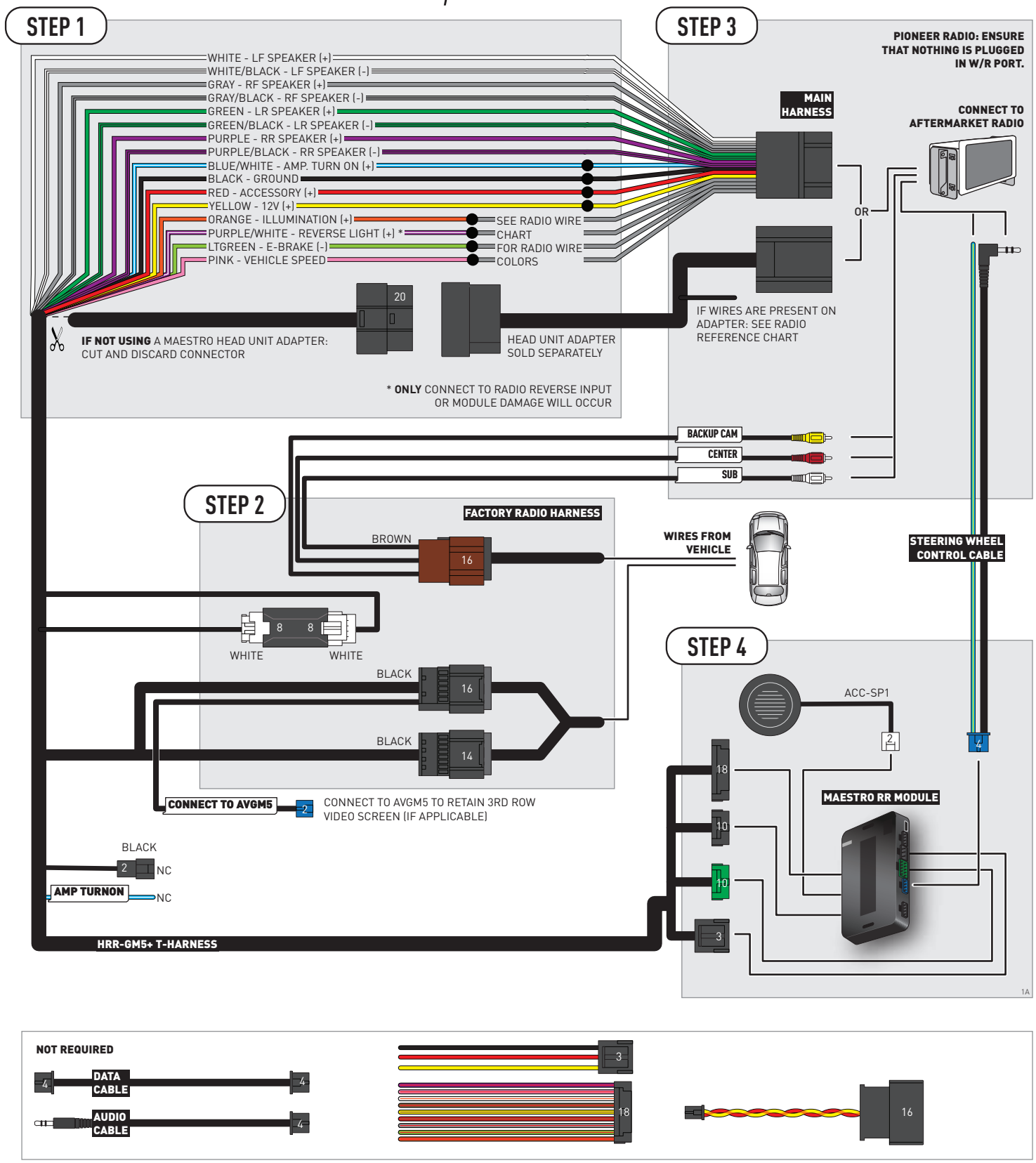
Turn signal level - activate either turn signal.

Warning chime level - turn headlight switch to parking light position (not AUTO).

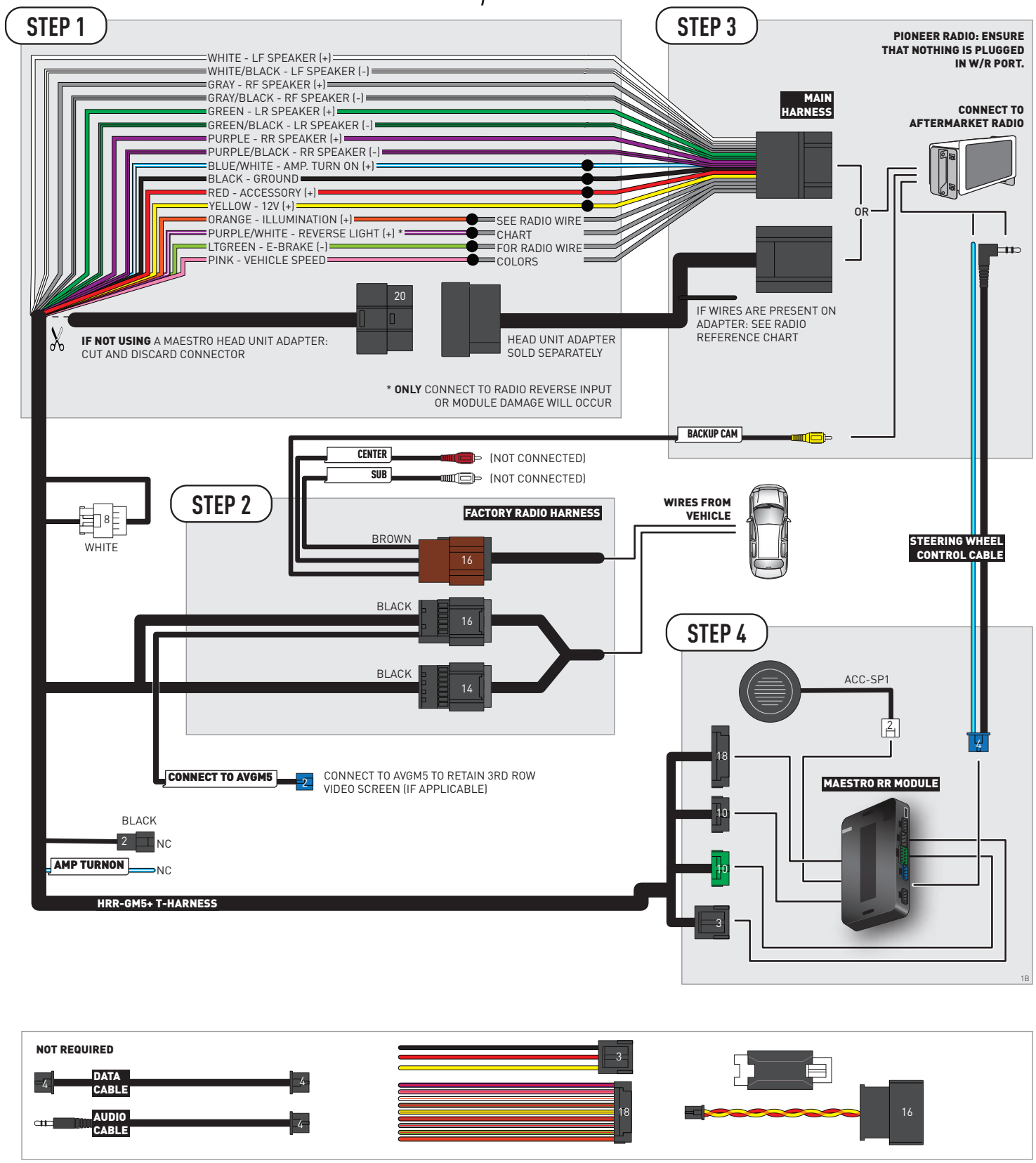
- Adjust volume using steering wheel volume up/down OR dimmer switch. If using dimmer switch, ensure headlight switch is NOT set to AUTO.

1

WIRING DIAGRAM *with an Amplifier*



WIRING DIAGRAM *without an Amplifier*



RADIO WIRE REFERENCE CHART

GM5+ (GM2) T-harness Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/ JVC cable	Wire Color on Pioneer cable	Wire Color on Sony cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light*	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A
Power Antenna	(+)	Blue	Blue	Blue	Blue/White	Blue or Blue/White

Head unit adapter wiring (optional accessory, sold separately)

ACC-HU-ALP1 Wire Description	Polarity	Wire Color on Adapter	Alpine Radio
VSS (vehicle speed sensor)	(DATA)	Green/White	Green/White

ACC-HU-KEN1 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
CAM	(+)	Green/Red	Refer to camera/radio manual
CAM	(-)	Green/White	Refer to camera/radio manual
Steering Wheel Controls	(DATA)	Blue/Yellow	Connect if no iDatalink 4-pin port on radio

ACC-HU-KEN2 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
E-Brake	(-)	LtGreen	LtGreen
Reverse Light*	(+)	Purple/White	Purple/White
Steering Wheel Controls	(DATA)	Blue/Yellow	Connect if no iDatalink 4-pin port on radio

* Reverse light wire: Only connect to radio or module damage will occur.

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 (RR2) Bluetooth activity	LED STATUS	DIAGNOSTIC
● or ●		RED or GREEN flashing	LED flashes 1 or more times, either red or green, **when a steering wheel button is pressed** : normal operation.
●		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do NOT use DEMO MODE.
●		1 GREEN flash	After radio boots up : Normal operation.
	●	3 GREEN flashes	Bluetooth is activated. Turns off after one minute: Normal operation.
●	●	OFF	Normal operation (inactive).

VIDEO HELP		Installation, product information, vehicle specific videos.
VERIFY FLASH		Last flash information, steering control configuration, vehicle information.
WEBLINK		Software to program module.

TROUBLESHOOTING TABLE P1 /2

PROBLEM	SOLUTION
Steering wheel controls do not work but LED on the Maestro does blink when steering wheel buttons are pressed.	Ensure the blue 4-pin steering wheel control cable is connected between the Maestro and the radio. The radio will use either the 3.5mm jack OR the blue/yellow wire, not both. Connect the 3.5mm jack from the Maestro blue 4-pin cable to the radio's 3.5mm port (labeled steering, remote, or wheel). If no such port exists, wire the blue/yellow to blue/yellow (Kenwood/JVC) or to the radio's Key 1 wire (brands not listed/other) and secure the 3.5mm jack. It will not be used. Verify the buttons are set up in the flash. If any button is set to "none" for "press once", it will do nothing. "Hold" column can be left as none and the "press once" function will operate with one press and when holding the button. Refer to radio's owner's manual to verify if the radio has this function: • JVC/Kenwood : Steering Wheel Control (ON/OFF): choose ON • Nakamichi : if model is listed, ensure PAC mode is on. If "other", learn the buttons in the radio steering wheel menu. • Sony : Steering Wheel Control (Custom/Preset): choose Preset. If phone buttons do not operate properly, flash the module as Pioneer – 2009 and newer with BT. Then select "custom" instead of "preset" and learn the buttons in the radio menu. • Other brands – radio should have a steering wheel menu to learn the buttons. You may have to select type A/B/C/1/2/3 and try learning again if buttons are not saving. Refer to radio manufacturer's tech support for further advice if not learning properly.
Radio does not turn on.	Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.
No sound from OnStar and/or no warning or turn signal chimes.	Plug the chime speaker in. Only turn signal chimes not working - verify "Turn Signal Reminder" is set to "Click in speaker" when programming the Maestro module. Chimes not working, but OnStar is - If vehicle was factory amplified and is now bypassed, ensure "Factory Amplifier" is turned off on the "Select how to configure your system" page when programming the Maestro module.
No sound from the Bose system (If equipped).	Make sure the amplifier turn on wire (Blue/White) of the T-Harness is connected to the radio's amplifier turn on wire. When flashing the Maestro make sure that the Amplifier in OEM Systems to Retain is selected. Make sure the RCA's are connected to the radio or the speaker wires are connected depending on your installation method.
Audio is very quiet or very loud.	Non amplified vehicles: ensure the AMP adapter is NOT plugged in between the white 8 pin plugs. Amplified vehicles: ensure the AMP adapter IS plugged in between the white 8 pin plugs.
(Vehicle using a GM2 harness only) Backup camera is not working and displays a black screen on radio when in reverse.	Ensure the 2-pin yellow plug is connected as shown on the diagram.
The light on the Maestro is flashing **RED ONCE**.	There is no firmware on the module; flash the RR module. DO NOT use demo mode.

TROUBLESHOOTING TABLE P2 /2

MAESTRO RR RESET PROCEDURE:

Turn the key to the OFF position, then disconnect all connectors from the module.
Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).
Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds to show the reset was successful.

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

IMPORTANT: To ensure proper operation, the aftermarket radio needs to have the latest firmware from the manufacturer. Please visit the radio manufacturer's website and look for any updates pertaining to your radio.

INSTALL GUIDE

2008-2009
HUMMER H2

RETAINS STEERING WHEEL CONTROLS, ONSTAR, BLUETOOTH AND MORE!



PRODUITS REQUIS
Interface de remplacement d'autoradio: iDatalink Maestro RR ou RR2
Câblage : iDatalink Maestro HRR-GM5+

PROGRAMMED FIRMWARE
ADS-RR(SR)-GM05-AS

ADDITIONAL RESOURCES
Maestro RR2 Programmable Outputs Guide

OPTIONAL ACCESSORIES

ACC-SP1

HEAD UNIT ADAPTER:
ACC-HU-PIO1, SON1, KEN1, KEN2, ALP1

NOTICE: Automotive Data Solutions Inc. (ADS) recommends having this installation performed by a certified technician. Logos and trademarks used here in are the properties of their respective owners.

WELCOME

Congratulations on the purchase of your iDatalink Maestro RR Radio replacement solution. You are now a few simple steps away from enjoying your new car radio with enhanced features.

Before starting your installation, please ensure that your iDatalink Maestro module is programmed with the correct firmware for your vehicle and that you carefully review the install guide.

Please note that Maestro RR will only retain functionalities that were originally available in the vehicle.

TABLE OF CONTENTS

Before Installing	3
Installation Instructions	4
Wiring Diagram with an Amplifier	5
Wiring Diagram without an Amplifier	6
Radio Wire Reference Chart	7
Module Diagnostics	8
Troubleshooting Table	9

NEED HELP?

1 866 427-2999

maestro.support@idatalink.com

BEFORE INSTALLING P1 /1

STEP 1

DETERMINE IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

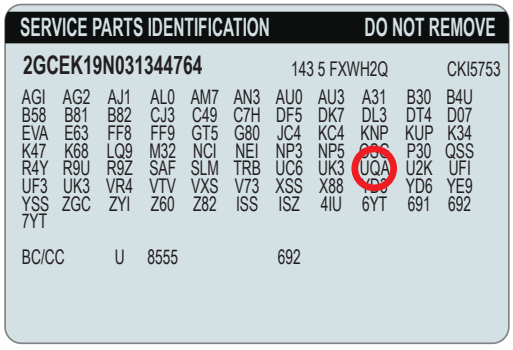
METHOD 1: Look for the following logos in the vehicle. They are usually on the speaker covers or on the radio unit. If you find any of the following logos Bose, Pioneer or Monsoon, you have a factory amplifier.

BOSE

Pioneer

MONSOON

METHOD 2: Look for the following sticker in the glove box. This sticker will indicate all the Regular Production Option (RPO) codes. If you find any of the following codes UQA, UQS or UQG, you have a factory amplifier.



STEP 2

IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **with an amplifier** and read the "**AMPLIFIER ONLY**" note to determine if you should use rca's or level matching circuits.

IF YOUR VEHICLE NOT IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **without an amplifier**.

Automotive Data Solutions Inc. © 2023

INSTALLATION INSTRUCTIONS P1/1

STEP 1

Remove the factory radio

If using head unit adapter (sold separately), connect HRR-GM5+ harness to adapter and skip to step 2.

- Unbox the aftermarket radio and locate its main harness.
- Cut and remove the black 20 pin connector from the HRR-GM5+ T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the HRR-GM5+ T-harness and match the wire functions.

  Note: only connect purple/white wire to radio reverse input or module damage will occur.

STEP 2

- Connect the factory harness to the HRR-GM5+ T-harness.
- Without AMP: Ensure that the WHITE 8 pin plugs are connected.
- With AMP: Connect the HRR-GM5+ 8 pin WHITE connectors to the AMP adapter.

STEP 3

- Plug the harnesses into the aftermarket radio.
- Connect the backup camera RCA cable into the aftermarket radio.
- With AMP: Connect the Center and SUB RCA cables.
- Plug the steering wheel control cable into the aftermarket radio.

STEP 4

- Connect the ACC-SP1 speaker to Maestro module.
- Connect all the harnesses to the Maestro RR module then test your installation.

OnStar, turn signal volume, or warning chime adjust:

- Turn ignition (IGN) on
- Open driver's door

Select to adjust:

OnStar level - Press OnStar button.

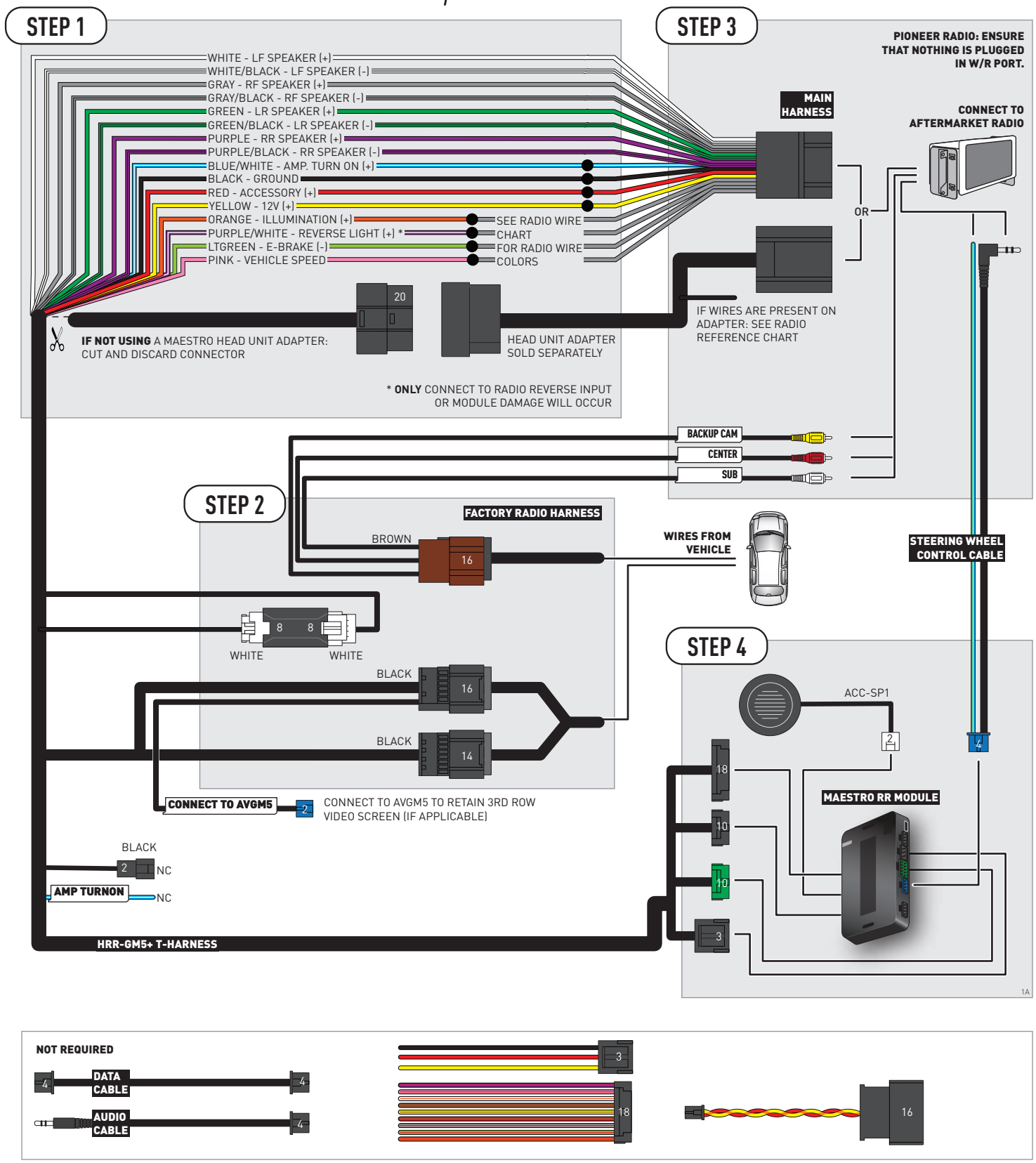
Turn signal level - activate either turn signal.

Warning chime level - turn headlight switch to parking light position (not AUTO).

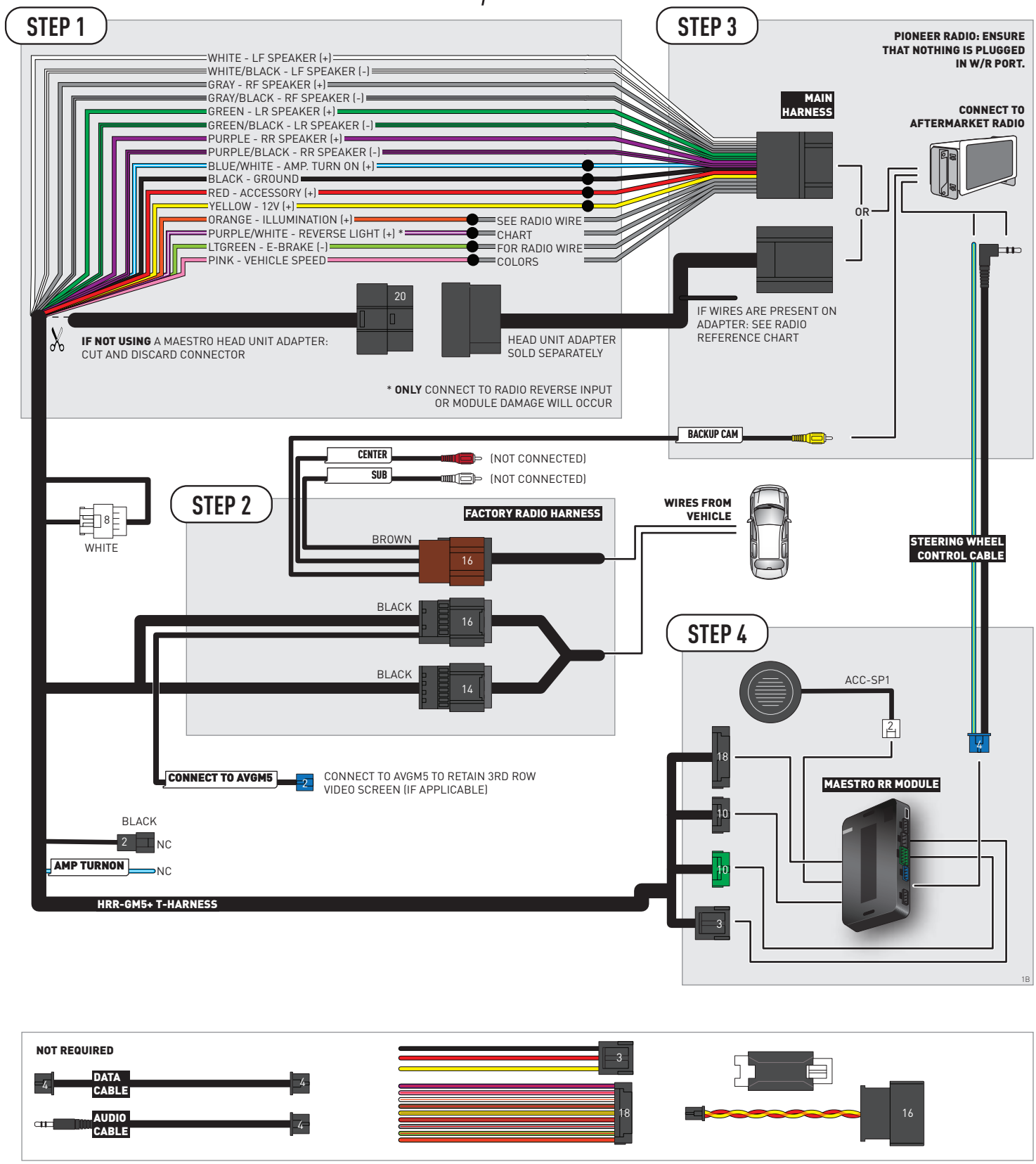
- Adjust volume using steering wheel volume up/down OR dimmer switch. If using dimmer switch, ensure headlight switch is NOT set to AUTO.

1

WIRING DIAGRAM *with an Amplifier*



WIRING DIAGRAM *without an Amplifier*



RADIO WIRE REFERENCE CHART

GM5+ (GM2) T-harness Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/ JVC cable	Wire Color on Pioneer cable	Wire Color on Sony cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light*	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A
Power Antenna	(+)	Blue	Blue	Blue	Blue/White	Blue or Blue/White

Head unit adapter wiring (optional accessory, sold separately)

ACC-HU-ALP1 Wire Description	Polarity	Wire Color on Adapter	Alpine Radio
VSS (vehicle speed sensor)	(DATA)	Green/White	Green/White

ACC-HU-KEN1 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
CAM	(+)	Green/Red	Refer to camera/radio manual
CAM	(-)	Green/White	Refer to camera/radio manual
Steering Wheel Controls	(DATA)	Blue/Yellow	Connect if no iDatalink 4-pin port on radio

ACC-HU-KEN2 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
E-Brake	(-)	LtGreen	LtGreen
Reverse Light*	(+)	Purple/White	Purple/White
Steering Wheel Controls	(DATA)	Blue/Yellow	Connect if no iDatalink 4-pin port on radio

* Reverse light wire: Only connect to radio or module damage will occur.

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 (RR2) Bluetooth activity	LED STATUS	DIAGNOSTIC
● or ●		RED or GREEN flashing	LED flashes 1 or more times, either red or green, **when a steering wheel button is pressed** : normal operation.
●		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do NOT use DEMO MODE.
●		1 GREEN flash	After radio boots up : Normal operation.
	●	3 GREEN flashes	Bluetooth is activated. Turns off after one minute: Normal operation.
●	●	OFF	Normal operation (inactive).

VIDEO HELP		Installation, product information, vehicle specific videos.
VERIFY FLASH		Last flash information, steering control configuration, vehicle information.
WEBLINK		Software to program module.

TROUBLESHOOTING TABLE P1 /2

PROBLEM	SOLUTION
Steering wheel controls do not work but LED on the Maestro does blink when steering wheel buttons are pressed.	Ensure the blue 4-pin steering wheel control cable is connected between the Maestro and the radio. The radio will use either the 3.5mm jack OR the blue/yellow wire, not both. Connect the 3.5mm jack from the Maestro blue 4-pin cable to the radio's 3.5mm port (labeled steering, remote, or wheel). If no such port exists, wire the blue/yellow to blue/yellow (Kenwood/JVC) or to the radio's Key 1 wire (brands not listed/other) and secure the 3.5mm jack. It will not be used. Verify the buttons are set up in the flash. If any button is set to "none" for "press once", it will do nothing. "Hold" column can be left as none and the "press once" function will operate with one press and when holding the button. Refer to radio's owner's manual to verify if the radio has this function: • JVC/Kenwood : Steering Wheel Control (ON/OFF): choose ON • Nakamichi : if model is listed, ensure PAC mode is on. If "other", learn the buttons in the radio steering wheel menu. • Sony : Steering Wheel Control (Custom/Preset): choose Preset. If phone buttons do not operate properly, flash the module as Pioneer – 2009 and newer with BT. Then select "custom" instead of "preset" and learn the buttons in the radio menu. • Other brands – radio should have a steering wheel menu to learn the buttons. You may have to select type A/B/C/1/2/3 and try learning again if buttons are not saving. Refer to radio manufacturer's tech support for further advice if not learning properly.
Radio does not turn on.	Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.
No sound from OnStar and/or no warning or turn signal chimes.	Plug the chime speaker in. Only turn signal chimes not working - verify "Turn Signal Reminder" is set to "Click in speaker" when programming the Maestro module. Chimes not working, but OnStar is - If vehicle was factory amplified and is now bypassed, ensure "Factory Amplifier" is turned off on the "Select how to configure your system" page when programming the Maestro module.
No sound from the Bose system (If equipped).	Make sure the amplifier turn on wire (Blue/White) of the T-Harness is connected to the radio's amplifier turn on wire. When flashing the Maestro make sure that the Amplifier in OEM Systems to Retain is selected. Make sure the RCA's are connected to the radio or the speaker wires are connected depending on your installation method.
Audio is very quiet or very loud.	Non amplified vehicles: ensure the AMP adapter is NOT plugged in between the white 8 pin plugs. Amplified vehicles: ensure the AMP adapter IS plugged in between the white 8 pin plugs.
(Vehicle using a GM2 harness only) Backup camera is not working and displays a black screen on radio when in reverse.	Ensure the 2-pin yellow plug is connected as shown on the diagram.
The light on the Maestro is flashing **RED ONCE**.	There is no firmware on the module; flash the RR module. DO NOT use demo mode.

TROUBLESHOOTING TABLE P2 /2

MAESTRO RR RESET PROCEDURE:

Turn the key to the OFF position, then disconnect all connectors from the module.
Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).
Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds to show the reset was successful.

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

IMPORTANT: To ensure proper operation, the aftermarket radio needs to have the latest firmware from the manufacturer. Please visit the radio manufacturer's website and look for any updates pertaining to your radio.

INSTALL GUIDE

2007-2009
PONTIAC TORRENT

RETAINS STEERING WHEEL CONTROLS, ONSTAR, BLUETOOTH AND MORE!



PRODUITS REQUIS
Interface de remplacement d'autoradio: iDatalink Maestro RR ou RR2
Câblage : iDatalink Maestro HRR-GM5+

PROGRAMMED FIRMWARE
ADS-RR(SR)-GM05-AS

ADDITIONAL RESOURCES
Maestro RR2 Programmable Outputs Guide

OPTIONAL ACCESSORIES

ACC-SP1

HEAD UNIT ADAPTER:
ACC-HU-PIO1, SON1, KEN1, KEN2, ALP1

NOTICE: Automotive Data Solutions Inc. (ADS) recommends having this installation performed by a certified technician. Logos and trademarks used here in are the properties of their respective owners.

WELCOME

Congratulations on the purchase of your iDatalink Maestro RR Radio replacement solution. You are now a few simple steps away from enjoying your new car radio with enhanced features.

Before starting your installation, please ensure that your iDatalink Maestro module is programmed with the correct firmware for your vehicle and that you carefully review the install guide.

Please note that Maestro RR will only retain functionalities that were originally available in the vehicle.

TABLE OF CONTENTS

Before Installing	3
Installation Instructions	4
Wiring Diagram with an Amplifier	5
Wiring Diagram without an Amplifier	6
Radio Wire Reference Chart	7
Module Diagnostics	8
Troubleshooting Table	9

NEED HELP?

1 866 427-2999

maestro.support@idatalink.com

BEFORE INSTALLING P1 /1

STEP 1

DETERMINE IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

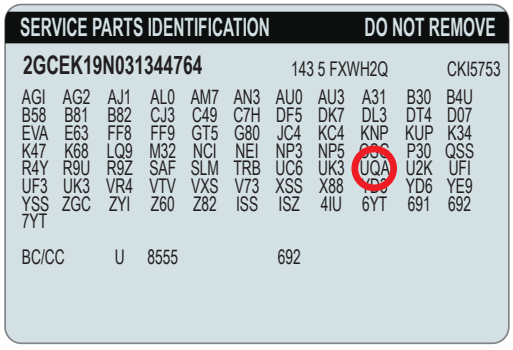
METHOD 1: Look for the following logos in the vehicle. They are usually on the speaker covers or on the radio unit. If you find any of the following logos Bose, Pioneer or Monsoon, you have a factory amplifier.

BOSE

Pioneer

MONSOON

METHOD 2: Look for the following sticker in the glove box. This sticker will indicate all the Regular Production Option (RPO) codes. If you find any of the following codes UQA, UQS or UQG, you have a factory amplifier.


SERVICE PARTS IDENTIFICATION DO NOT REMOVE

2GCEK19N031344764 143 5 FXWH2Q CKI5753

AGI	AG2	AJ1	AL0	AM7	AN3	AU0	AU3	A31	B30	B4U
B58	B81	B82	CJ3	C49	C7H	DF5	DK7	DL3	DT4	D07
EVA	E63	FF8	FF9	GT5	G80	JC4	KC4	KNP	KUP	K34
K47	K68	LQ9	M32	NCI	NEI	NP3	NP5	QQS	P30	QSS
R4Y	R9U	R9Z	SAF	SLM	TRB	UC6	UK3	UQA	U2K	UFI
UF3	UK3	VR4	VTV	VXS	V73	XSS	X88	YD5	YD6	YE9
YSS	ZGC	ZYI	Z60	Z82	ISS	ISZ	4IU	6YT	691	692
7YT										

BC/CC U 8555 692

STEP 2

IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **with an amplifier** and read the "**AMPLIFIER ONLY**" note to determine if you should use rca's or level matching circuits.

IF YOUR VEHICLE NOT IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **without an amplifier**.

Automotive Data Solutions Inc. © 2023

INSTALLATION INSTRUCTIONS P1/1

STEP 1

Remove the factory radio

If using head unit adapter (sold separately), connect HRR-GM5+ harness to adapter and skip to step 2.

- Unbox the aftermarket radio and locate its main harness.
- Cut and remove the black 20 pin connector from the HRR-GM5+ T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the HRR-GM5+ T-harness and match the wire functions.

  Note: only connect purple/white wire to radio reverse input or module damage will occur.

STEP 2

- Connect the factory harness to the HRR-GM5+ T-harness.
- Without AMP: Ensure that the WHITE 8 pin plugs are connected.
- With AMP: Connect the HRR-GM5+ 8 pin WHITE connectors to the AMP adapter.

STEP 3

- Plug the harnesses into the aftermarket radio.
- Connect the backup camera RCA cable into the aftermarket radio.
- With AMP: Connect the Center and SUB RCA cables.
- Plug the steering wheel control cable into the aftermarket radio.

STEP 4

- Connect the ACC-SP1 speaker to Maestro module.
- Connect all the harnesses to the Maestro RR module then test your installation.

OnStar, turn signal volume, or warning chime adjust:

- Turn ignition (IGN) on
- Open driver's door

Select to adjust:

OnStar level - Press OnStar button.

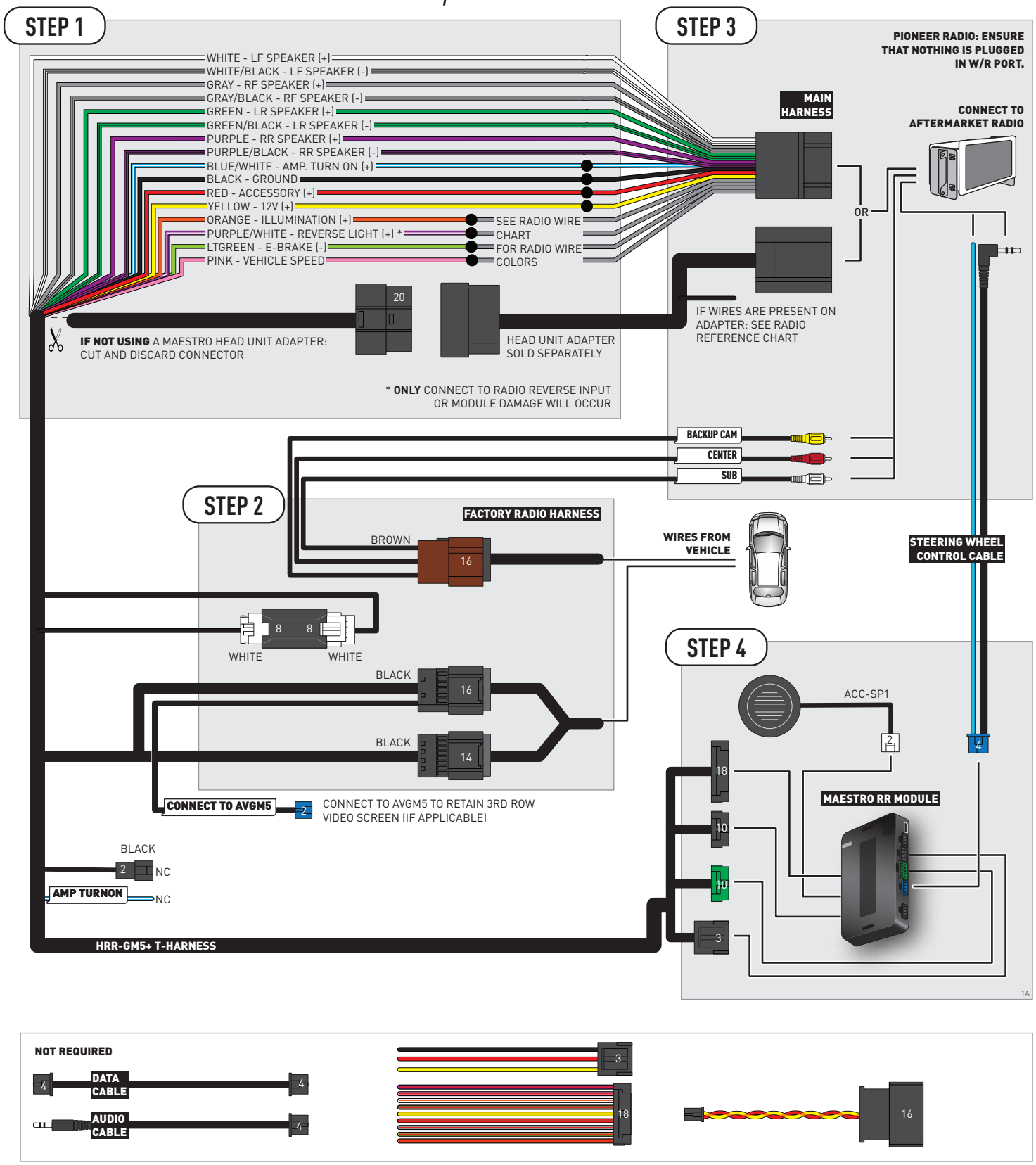
Turn signal level - activate either turn signal.

Warning chime level - turn headlight switch to parking light position (not AUTO).

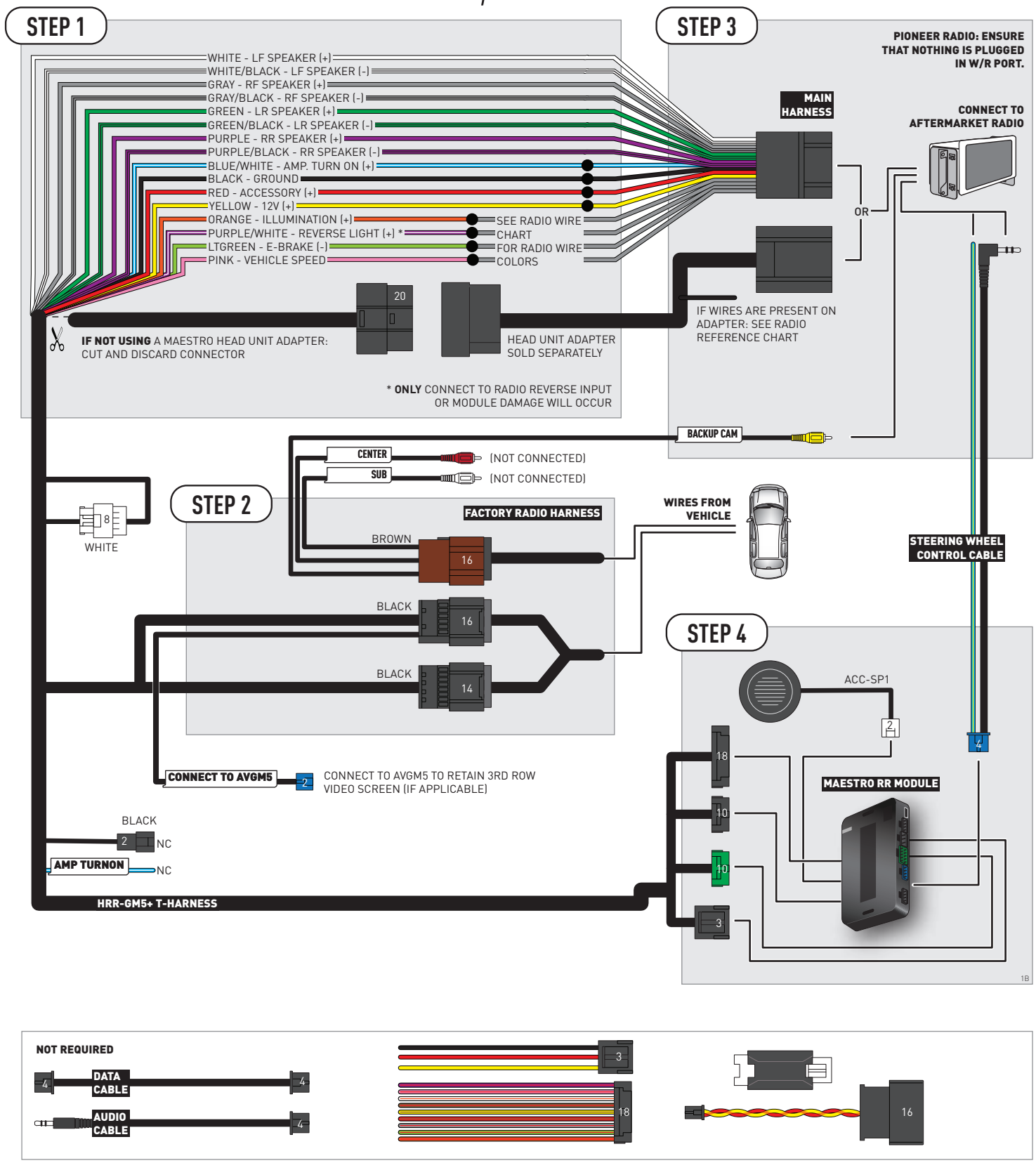
- Adjust volume using steering wheel volume up/down OR dimmer switch. If using dimmer switch, ensure headlight switch is NOT set to AUTO.

1

WIRING DIAGRAM *with an Amplifier*



WIRING DIAGRAM *without an Amplifier*



RADIO WIRE REFERENCE CHART

GM5+ (GM2) T-harness Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/ JVC cable	Wire Color on Pioneer cable	Wire Color on Sony cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light*	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A
Power Antenna	(+)	Blue	Blue	Blue	Blue/White	Blue or Blue/White

Head unit adapter wiring (optional accessory, sold separately)

ACC-HU-ALP1 Wire Description	Polarity	Wire Color on Adapter	Alpine Radio
VSS (vehicle speed sensor)	(DATA)	Green/White	Green/White

ACC-HU-KEN1 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
CAM	(+)	Green/Red	Refer to camera/radio manual
CAM	(-)	Green/White	Refer to camera/radio manual
Steering Wheel Controls	(DATA)	Blue/Yellow	Connect if no iDatalink 4-pin port on radio

ACC-HU-KEN2 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
E-Brake	(-)	LtGreen	LtGreen
Reverse Light*	(+)	Purple/White	Purple/White
Steering Wheel Controls	(DATA)	Blue/Yellow	Connect if no iDatalink 4-pin port on radio

* Reverse light wire: Only connect to radio or module damage will occur.

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 (RR2) Bluetooth activity	LED STATUS	DIAGNOSTIC
● or ●		RED or GREEN flashing	LED flashes 1 or more times, either red or green, **when a steering wheel button is pressed** : normal operation.
●		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do NOT use DEMO MODE.
●		1 GREEN flash	After radio boots up : Normal operation.
	●	3 GREEN flashes	Bluetooth is activated. Turns off after one minute: Normal operation.
●	●	OFF	Normal operation (inactive).

VIDEO HELP		Installation, product information, vehicle specific videos.
VERIFY FLASH		Last flash information, steering control configuration, vehicle information.
WEBLINK		Software to program module.

TROUBLESHOOTING TABLE P1 /2

PROBLEM	SOLUTION
Steering wheel controls do not work but LED on the Maestro does blink when steering wheel buttons are pressed.	Ensure the blue 4-pin steering wheel control cable is connected between the Maestro and the radio. The radio will use either the 3.5mm jack OR the blue/yellow wire, not both. Connect the 3.5mm jack from the Maestro blue 4-pin cable to the radio's 3.5mm port (labeled steering, remote, or wheel). If no such port exists, wire the blue/yellow to blue/yellow (Kenwood/JVC) or to the radio's Key 1 wire (brands not listed/other) and secure the 3.5mm jack. It will not be used. Verify the buttons are set up in the flash. If any button is set to "none" for "press once", it will do nothing. "Hold" column can be left as none and the "press once" function will operate with one press and when holding the button. Refer to radio's owner's manual to verify if the radio has this function: • JVC/Kenwood : Steering Wheel Control (ON/OFF): choose ON • Nakamichi : if model is listed, ensure PAC mode is on. If "other", learn the buttons in the radio steering wheel menu. • Sony : Steering Wheel Control (Custom/Preset): choose Preset. If phone buttons do not operate properly, flash the module as Pioneer – 2009 and newer with BT. Then select "custom" instead of "preset" and learn the buttons in the radio menu. • Other brands – radio should have a steering wheel menu to learn the buttons. You may have to select type A/B/C/1/2/3 and try learning again if buttons are not saving. Refer to radio manufacturer's tech support for further advice if not learning properly.
Radio does not turn on.	Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.
No sound from OnStar and/or no warning or turn signal chimes.	Plug the chime speaker in. Only turn signal chimes not working - verify "Turn Signal Reminder" is set to "Click in speaker" when programming the Maestro module. Chimes not working, but OnStar is - If vehicle was factory amplified and is now bypassed, ensure "Factory Amplifier" is turned off on the "Select how to configure your system" page when programming the Maestro module.
No sound from the Bose system (If equipped).	Make sure the amplifier turn on wire (Blue/White) of the T-Harness is connected to the radio's amplifier turn on wire. When flashing the Maestro make sure that the Amplifier in OEM Systems to Retain is selected. Make sure the RCA's are connected to the radio or the speaker wires are connected depending on your installation method.
Audio is very quiet or very loud.	Non amplified vehicles: ensure the AMP adapter is NOT plugged in between the white 8 pin plugs. Amplified vehicles: ensure the AMP adapter IS plugged in between the white 8 pin plugs.
(Vehicle using a GM2 harness only) Backup camera is not working and displays a black screen on radio when in reverse.	Ensure the 2-pin yellow plug is connected as shown on the diagram.
The light on the Maestro is flashing **RED ONCE**.	There is no firmware on the module; flash the RR module. DO NOT use demo mode.

TROUBLESHOOTING TABLE P2 /2

MAESTRO RR RESET PROCEDURE:

Turn the key to the OFF position, then disconnect all connectors from the module.
Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).
Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds to show the reset was successful.

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

IMPORTANT: To ensure proper operation, the aftermarket radio needs to have the latest firmware from the manufacturer. Please visit the radio manufacturer's website and look for any updates pertaining to your radio.

INSTALL GUIDE

2007-2010
SATURN OUTLOOK

RETAINS STEERING WHEEL CONTROLS, ONSTAR, BLUETOOTH AND MORE!



PRODUITS REQUIS
Interface de remplacement d'autoradio: iDatalink Maestro RR ou RR2
Câblage : iDatalink Maestro HRR-GM5+

PROGRAMMED FIRMWARE
ADS-RR(SR)-GM05-AS

ADDITIONAL RESOURCES
Maestro RR2 Programmable Outputs Guide

OPTIONAL ACCESSORIES
ACC-SP1

HEAD UNIT ADAPTER:
ACC-HU-PIO1, SON1, KEN1, KEN2, ALP1

NOTICE: Automotive Data Solutions Inc. (ADS) recommends having this installation performed by a certified technician. Logos and trademarks used here in are the properties of their respective owners.

WELCOME

Congratulations on the purchase of your iDatalink Maestro RR Radio replacement solution. You are now a few simple steps away from enjoying your new car radio with enhanced features.

Before starting your installation, please ensure that your iDatalink Maestro module is programmed with the correct firmware for your vehicle and that you carefully review the install guide.

Please note that Maestro RR will only retain functionalities that were originally available in the vehicle.

TABLE OF CONTENTS

Before Installing	3
Installation Instructions	4
Wiring Diagram with an Amplifier	5
Wiring Diagram without an Amplifier	6
Radio Wire Reference Chart	7
Module Diagnostics	8
Troubleshooting Table	9

NEED HELP?

1 866 427-2999

maestro.support@idatalink.com

BEFORE INSTALLING P1 /1

STEP 1

DETERMINE IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

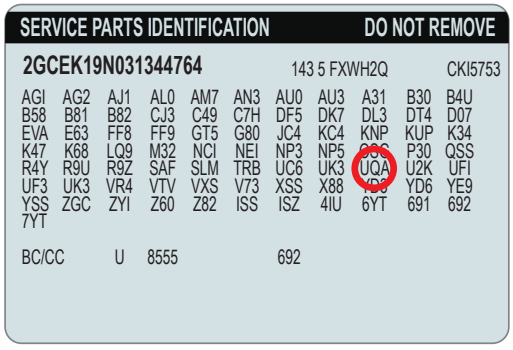
METHOD 1: Look for the following logos in the vehicle. They are usually on the speaker covers or on the radio unit. If you find any of the following logos Bose, Pioneer or Monsoon, you have a factory amplifier.

BOSE

Pioneer

MONSOON

METHOD 2: Look for the following sticker in the glove box. This sticker will indicate all the Regular Production Option (RPO) codes. If you find any of the following codes UQA, UQS or UQG, you have a factory amplifier.



STEP 2

IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **with an amplifier** and read the "**AMPLIFIER ONLY**" note to determine if you should use rca's or level matching circuits.

IF YOUR VEHICLE NOT IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **without an amplifier**.

Automotive Data Solutions Inc. © 2023

INSTALLATION INSTRUCTIONS P1/1

STEP 1

Remove the factory radio

If using head unit adapter (sold separately), connect HRR-GM5+ harness to adapter and skip to step 2.

- Unbox the aftermarket radio and locate its main harness.
- Cut and remove the black 20 pin connector from the HRR-GM5+ T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the HRR-GM5+ T-harness and match the wire functions.

  Note: only connect purple/white wire to radio reverse input or module damage will occur.

STEP 2

- Connect the factory harness to the HRR-GM5+ T-harness.
- Without AMP: Ensure that the WHITE 8 pin plugs are connected.
- With AMP: Connect the HRR-GM5+ 8 pin WHITE connectors to the AMP adapter.

STEP 3

- Plug the harnesses into the aftermarket radio.
- Connect the backup camera RCA cable into the aftermarket radio.
- With AMP: Connect the Center and SUB RCA cables.
- Plug the steering wheel control cable into the aftermarket radio.

STEP 4

- Connect the ACC-SP1 speaker to Maestro module.
- Connect all the harnesses to the Maestro RR module then test your installation.

OnStar, turn signal volume, or warning chime adjust:

- Turn ignition (IGN) on
- Open driver's door

Select to adjust:

OnStar level - Press OnStar button.

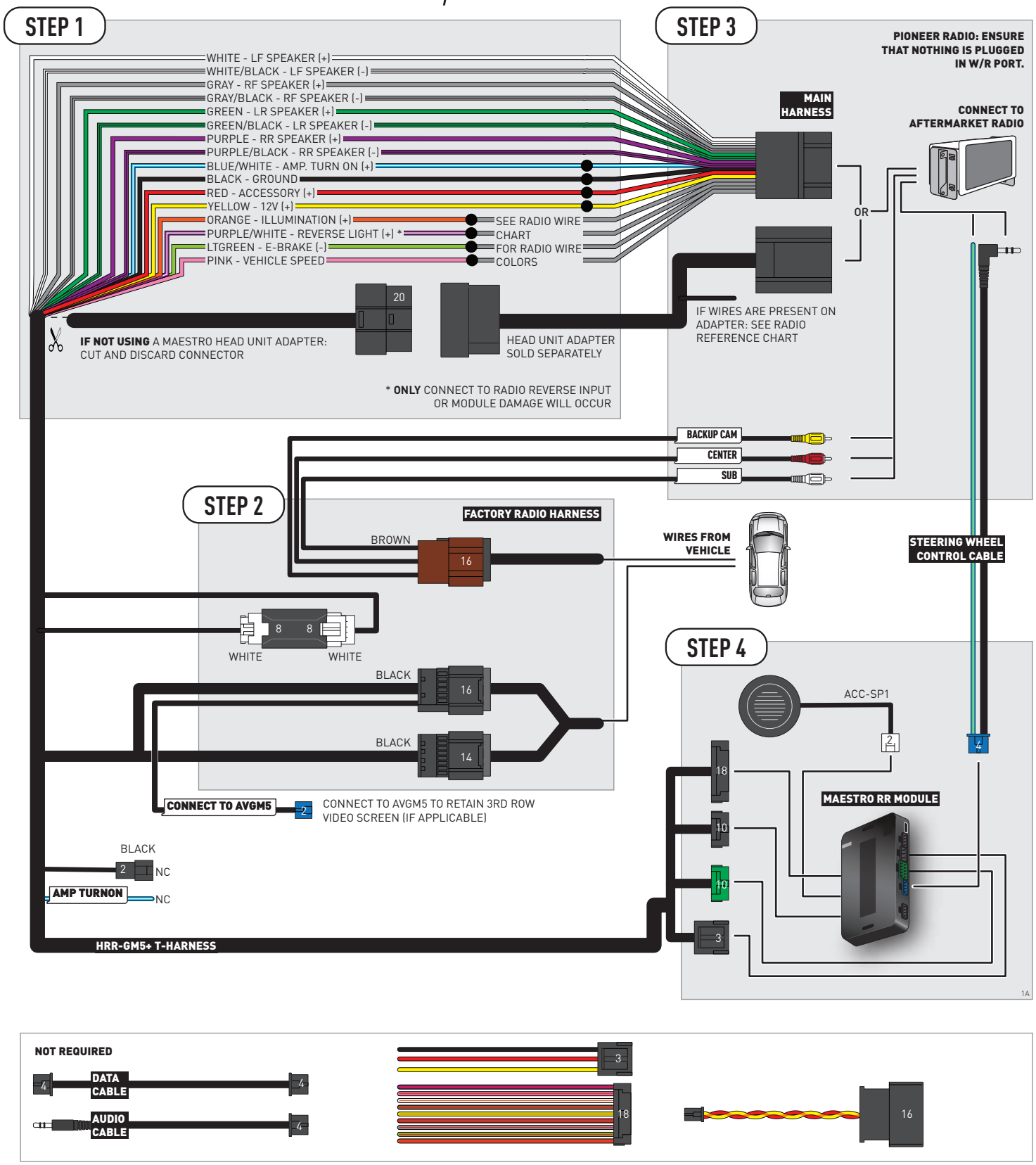
Turn signal level - activate either turn signal.

Warning chime level - turn headlight switch to parking light position (not AUTO).

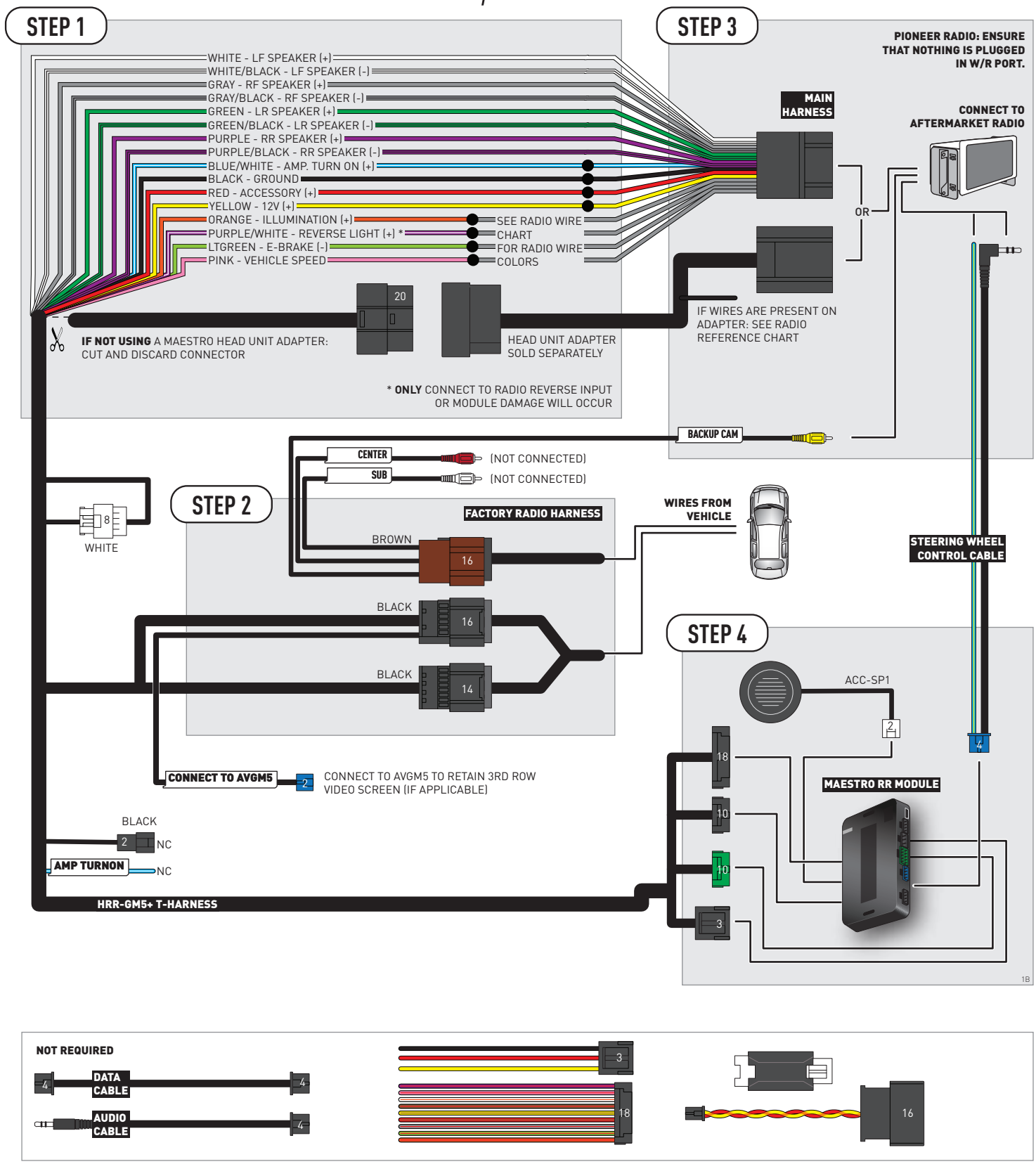
- Adjust volume using steering wheel volume up/down OR dimmer switch. If using dimmer switch, ensure headlight switch is NOT set to AUTO.

1

WIRING DIAGRAM *with an Amplifier*



WIRING DIAGRAM *without an Amplifier*



RADIO WIRE REFERENCE CHART

GM5+ (GM2) T-harness Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/ JVC cable	Wire Color on Pioneer cable	Wire Color on Sony cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light*	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A
Power Antenna	(+)	Blue	Blue	Blue	Blue/White	Blue or Blue/White

Head unit adapter wiring (optional accessory, sold separately)

ACC-HU-ALP1 Wire Description	Polarity	Wire Color on Adapter	Alpine Radio
VSS (vehicle speed sensor)	(DATA)	Green/White	Green/White

ACC-HU-KEN1 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
CAM	(+)	Green/Red	Refer to camera/radio manual
CAM	(-)	Green/White	Refer to camera/radio manual
Steering Wheel Controls	(DATA)	Blue/Yellow	Connect if no iDatalink 4-pin port on radio

ACC-HU-KEN2 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
E-Brake	(-)	LtGreen	LtGreen
Reverse Light*	(+)	Purple/White	Purple/White
Steering Wheel Controls	(DATA)	Blue/Yellow	Connect if no iDatalink 4-pin port on radio

* Reverse light wire: Only connect to radio or module damage will occur.

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 (RR2) Bluetooth activity	LED STATUS	DIAGNOSTIC
● or ●		RED or GREEN flashing	LED flashes 1 or more times, either red or green, **when a steering wheel button is pressed** : normal operation.
●		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do NOT use DEMO MODE.
●		1 GREEN flash	After radio boots up : Normal operation.
	●	3 GREEN flashes	Bluetooth is activated. Turns off after one minute: Normal operation.
●	●	OFF	Normal operation (inactive).

VIDEO HELP		Installation, product information, vehicle specific videos.
VERIFY FLASH		Last flash information, steering control configuration, vehicle information.
WEBLINK		Software to program module.

TROUBLESHOOTING TABLE P1 /2

PROBLEM	SOLUTION
Steering wheel controls do not work but LED on the Maestro does blink when steering wheel buttons are pressed.	Ensure the blue 4-pin steering wheel control cable is connected between the Maestro and the radio. The radio will use either the 3.5mm jack OR the blue/yellow wire, not both. Connect the 3.5mm jack from the Maestro blue 4-pin cable to the radio's 3.5mm port (labeled steering, remote, or wheel). If no such port exists, wire the blue/yellow to blue/yellow (Kenwood/JVC) or to the radio's Key 1 wire (brands not listed/other) and secure the 3.5mm jack. It will not be used. Verify the buttons are set up in the flash. If any button is set to "none" for "press once", it will do nothing. "Hold" column can be left as none and the "press once" function will operate with one press and when holding the button. Refer to radio's owner's manual to verify if the radio has this function: • JVC/Kenwood : Steering Wheel Control (ON/OFF): choose ON • Nakamichi : if model is listed, ensure PAC mode is on. If "other", learn the buttons in the radio steering wheel menu. • Sony : Steering Wheel Control (Custom/Preset): choose Preset. If phone buttons do not operate properly, flash the module as Pioneer – 2009 and newer with BT. Then select "custom" instead of "preset" and learn the buttons in the radio menu. • Other brands – radio should have a steering wheel menu to learn the buttons. You may have to select type A/B/C/1/2/3 and try learning again if buttons are not saving. Refer to radio manufacturer's tech support for further advice if not learning properly.
Radio does not turn on.	Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.
No sound from OnStar and/or no warning or turn signal chimes.	Plug the chime speaker in. Only turn signal chimes not working - verify "Turn Signal Reminder" is set to "Click in speaker" when programming the Maestro module. Chimes not working, but OnStar is - If vehicle was factory amplified and is now bypassed, ensure "Factory Amplifier" is turned off on the "Select how to configure your system" page when programming the Maestro module.
No sound from the Bose system (If equipped).	Make sure the amplifier turn on wire (Blue/White) of the T-Harness is connected to the radio's amplifier turn on wire. When flashing the Maestro make sure that the Amplifier in OEM Systems to Retain is selected. Make sure the RCA's are connected to the radio or the speaker wires are connected depending on your installation method.
Audio is very quiet or very loud.	Non amplified vehicles: ensure the AMP adapter is NOT plugged in between the white 8 pin plugs. Amplified vehicles: ensure the AMP adapter IS plugged in between the white 8 pin plugs.
(Vehicle using a GM2 harness only) Backup camera is not working and displays a black screen on radio when in reverse.	Ensure the 2-pin yellow plug is connected as shown on the diagram.
The light on the Maestro is flashing **RED ONCE**.	There is no firmware on the module; flash the RR module. DO NOT use demo mode.

TROUBLESHOOTING TABLE P2 /2

MAESTRO RR RESET PROCEDURE:

Turn the key to the OFF position, then disconnect all connectors from the module.
Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).
Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds to show the reset was successful.

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

IMPORTANT: To ensure proper operation, the aftermarket radio needs to have the latest firmware from the manufacturer. Please visit the radio manufacturer's website and look for any updates pertaining to your radio.

INSTALL GUIDE

2008-2010
SATURN VUE

RETAINS STEERING WHEEL CONTROLS, ONSTAR, BLUETOOTH AND MORE!



PRODUITS REQUIS
Interface de remplacement d'autoradio: iDatalink Maestro RR ou RR2
Câblage : iDatalink Maestro HRR-GM5+

PROGRAMMED FIRMWARE
ADS-RR(SR)-GM05-AS

ADDITIONAL RESOURCES
Maestro RR2 Programmable Outputs Guide

OPTIONAL ACCESSORIES

ACC-SP1

HEAD UNIT ADAPTER:
ACC-HU-PIO1, SON1, KEN1, KEN2, ALP1

NOTICE: Automotive Data Solutions Inc. (ADS) recommends having this installation performed by a certified technician. Logos and trademarks used here in are the properties of their respective owners.

WELCOME

Congratulations on the purchase of your iDatalink Maestro RR Radio replacement solution. You are now a few simple steps away from enjoying your new car radio with enhanced features.

Before starting your installation, please ensure that your iDatalink Maestro module is programmed with the correct firmware for your vehicle and that you carefully review the install guide.

Please note that Maestro RR will only retain functionalities that were originally available in the vehicle.

TABLE OF CONTENTS

Before Installing	3
Installation Instructions	4
Wiring Diagram with an Amplifier	5
Wiring Diagram without an Amplifier	6
Radio Wire Reference Chart	7
Module Diagnostics	8
Troubleshooting Table	9

NEED HELP?

1 866 427-2999

maestro.support@idatalink.com

BEFORE INSTALLING P1 /1

STEP 1

DETERMINE IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

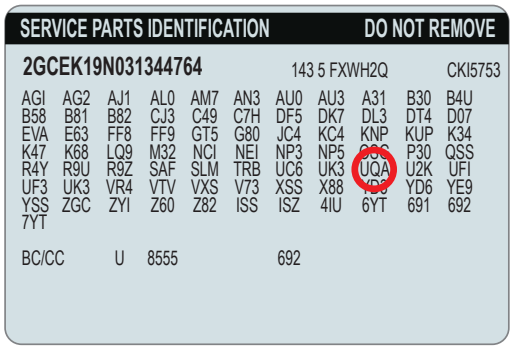
METHOD 1: Look for the following logos in the vehicle. They are usually on the speaker covers or on the radio unit. If you find any of the following logos Bose, Pioneer or Monsoon, you have a factory amplifier.

BOSE

Pioneer

MONSOON

METHOD 2: Look for the following sticker in the glove box. This sticker will indicate all the Regular Production Option (RPO) codes. If you find any of the following codes UQA, UQS or UQG, you have a factory amplifier.



STEP 2

IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **with an amplifier** and read the "**AMPLIFIER ONLY**" note to determine if you should use rca's or level matching circuits.

IF YOUR VEHICLE NOT IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **without an amplifier**.

Automotive Data Solutions Inc. © 2023

INSTALLATION INSTRUCTIONS P1/1

STEP 1

Remove the factory radio

If using head unit adapter (sold separately), connect HRR-GM5+ harness to adapter and skip to step 2.

- Unbox the aftermarket radio and locate its main harness.
- Cut and remove the black 20 pin connector from the HRR-GM5+ T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the HRR-GM5+ T-harness and match the wire functions.

  Note: only connect purple/white wire to radio reverse input or module damage will occur.

STEP 2

- Connect the factory harness to the HRR-GM5+ T-harness.
- Without AMP: Ensure that the WHITE 8 pin plugs are connected.
- With AMP: Connect the HRR-GM5+ 8 pin WHITE connectors to the AMP adapter.

STEP 3

- Plug the harnesses into the aftermarket radio.
- Connect the backup camera RCA cable into the aftermarket radio.
- With AMP: Connect the Center and SUB RCA cables.
- Plug the steering wheel control cable into the aftermarket radio.

STEP 4

- Connect the ACC-SP1 speaker to Maestro module.
- Connect all the harnesses to the Maestro RR module then test your installation.

OnStar, turn signal volume, or warning chime adjust:

- Turn ignition (IGN) on
- Open driver's door

Select to adjust:

OnStar level - Press OnStar button.

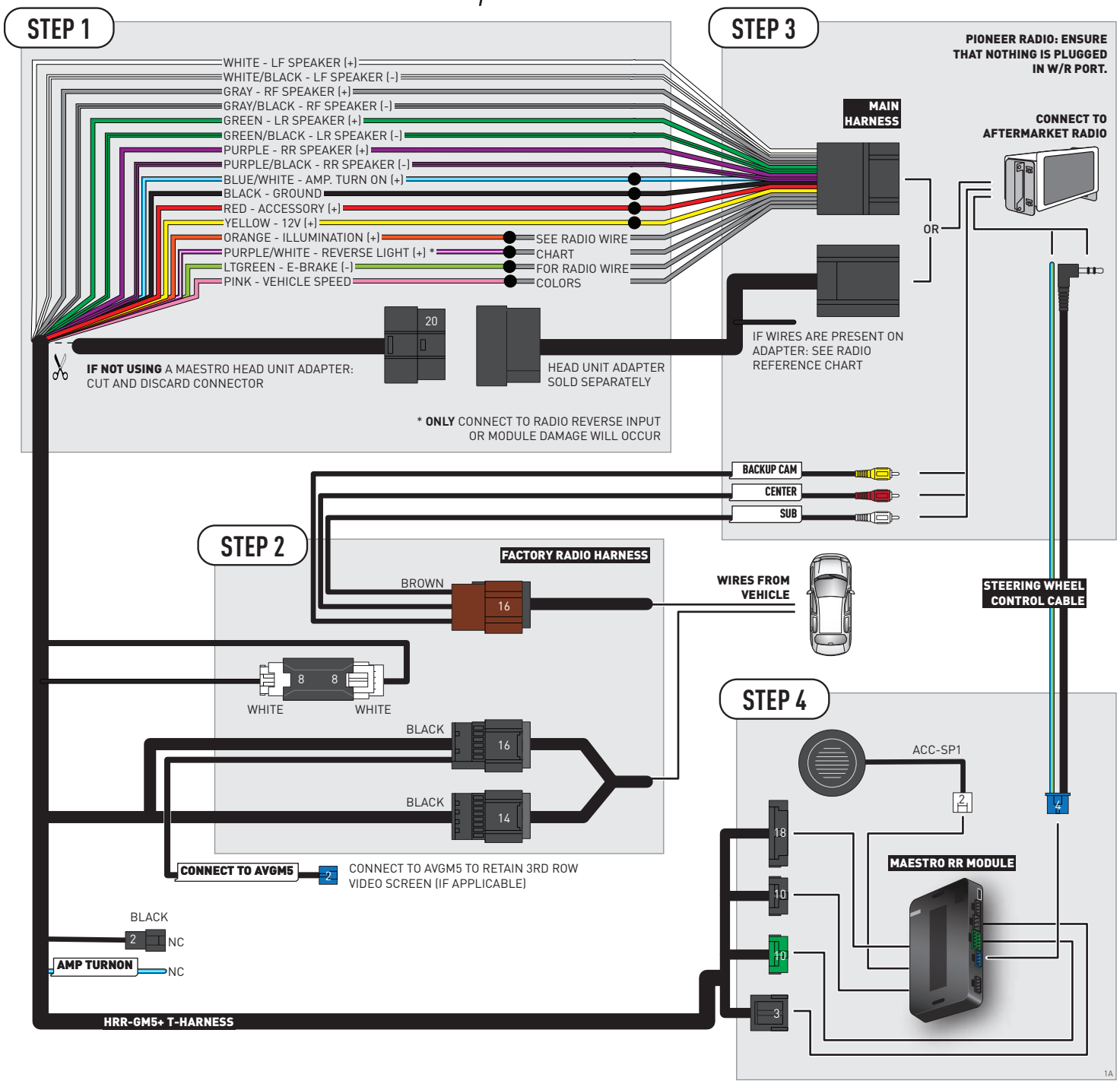
Turn signal level - activate either turn signal.

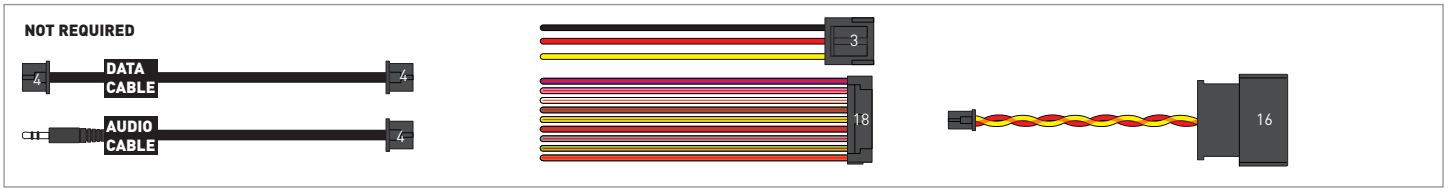
Warning chime level - turn headlight switch to parking light position (not AUTO).

- Adjust volume using steering wheel volume up/down OR dimmer switch. If using dimmer switch, ensure headlight switch is NOT set to AUTO.

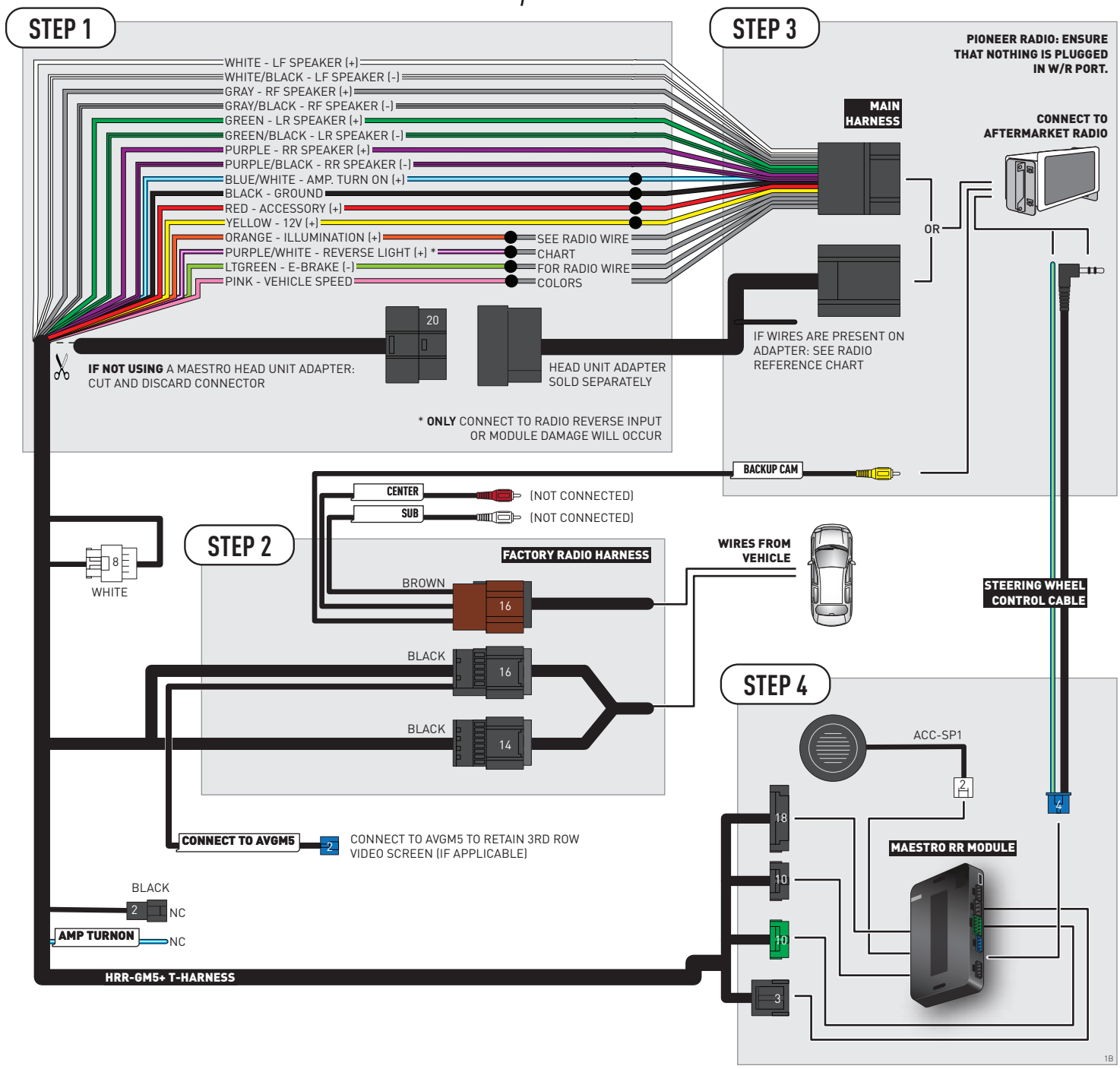
1

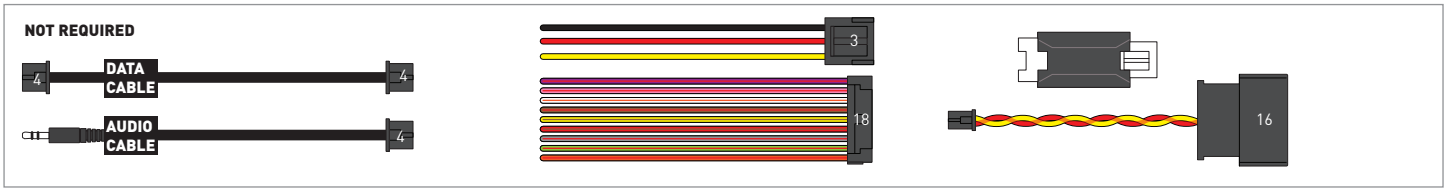
WIRING DIAGRAM *with an Amplifier*





WIRING DIAGRAM *without an Amplifier*





RADIO WIRE REFERENCE CHART

GM5+ (GM2) T-harness Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/ JVC cable	Wire Color on Pioneer cable	Wire Color on Sony cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light*	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A
Power Antenna	(+)	Blue	Blue	Blue	Blue/White	Blue or Blue/White

Head unit adapter wiring (optional accessory, sold separately)

ACC-HU-ALP1 Wire Description	Polarity	Wire Color on Adapter	Alpine Radio
VSS (vehicle speed sensor)	(DATA)	Green/White	Green/White

ACC-HU-KEN1 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
CAM	(+)	Green/Red	Refer to camera/radio manual
CAM	(-)	Green/White	Refer to camera/radio manual
Steering Wheel Controls	(DATA)	Blue/Yellow	Connect if no iDatalink 4-pin port on radio

ACC-HU-KEN2 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
E-Brake	(-)	LtGreen	LtGreen
Reverse Light*	(+)	Purple/White	Purple/White
Steering Wheel Controls	(DATA)	Blue/Yellow	Connect if no iDatalink 4-pin port on radio

* Reverse light wire: Only connect to radio or module damage will occur.

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 (RR2) Bluetooth activity	LED STATUS	DIAGNOSTIC
● or ●		RED or GREEN flashing	LED flashes 1 or more times, either red or green, **when a steering wheel button is pressed** : normal operation.
●		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do NOT use DEMO MODE.
●		1 GREEN flash	After radio boots up : Normal operation.
	●	3 GREEN flashes	Bluetooth is activated. Turns off after one minute: Normal operation.
●	●	OFF	Normal operation (inactive).

VIDEO HELP		Installation, product information, vehicle specific videos.
VERIFY FLASH		Last flash information, steering control configuration, vehicle information.
WEBLINK		Software to program module.

TROUBLESHOOTING TABLE P1 /2

PROBLEM	SOLUTION
Steering wheel controls do not work but LED on the Maestro does blink when steering wheel buttons are pressed.	Ensure the blue 4-pin steering wheel control cable is connected between the Maestro and the radio. The radio will use either the 3.5mm jack OR the blue/yellow wire, not both. Connect the 3.5mm jack from the Maestro blue 4-pin cable to the radio's 3.5mm port (labeled steering, remote, or wheel). If no such port exists, wire the blue/yellow to blue/yellow (Kenwood/JVC) or to the radio's Key 1 wire (brands not listed/other) and secure the 3.5mm jack. It will not be used. Verify the buttons are set up in the flash. If any button is set to "none" for "press once", it will do nothing. "Hold" column can be left as none and the "press once" function will operate with one press and when holding the button. Refer to radio's owner's manual to verify if the radio has this function: • JVC/Kenwood : Steering Wheel Control (ON/OFF): choose ON • Nakamichi : if model is listed, ensure PAC mode is on. If "other", learn the buttons in the radio steering wheel menu. • Sony : Steering Wheel Control (Custom/Preset): choose Preset. If phone buttons do not operate properly, flash the module as Pioneer – 2009 and newer with BT. Then select "custom" instead of "preset" and learn the buttons in the radio menu. • Other brands – radio should have a steering wheel menu to learn the buttons. You may have to select type A/B/C/1/2/3 and try learning again if buttons are not saving. Refer to radio manufacturer's tech support for further advice if not learning properly.
Radio does not turn on.	Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.
No sound from OnStar and/or no warning or turn signal chimes.	Plug the chime speaker in. Only turn signal chimes not working - verify "Turn Signal Reminder" is set to "Click in speaker" when programming the Maestro module. Chimes not working, but OnStar is - If vehicle was factory amplified and is now bypassed, ensure "Factory Amplifier" is turned off on the "Select how to configure your system" page when programming the Maestro module.
No sound from the Bose system (If equipped).	Make sure the amplifier turn on wire (Blue/White) of the T-Harness is connected to the radio's amplifier turn on wire. When flashing the Maestro make sure that the Amplifier in OEM Systems to Retain is selected. Make sure the RCA's are connected to the radio or the speaker wires are connected depending on your installation method.
Audio is very quiet or very loud.	Non amplified vehicles: ensure the AMP adapter is NOT plugged in between the white 8 pin plugs. Amplified vehicles: ensure the AMP adapter IS plugged in between the white 8 pin plugs.
(Vehicle using a GM2 harness only) Backup camera is not working and displays a black screen on radio when in reverse.	Ensure the 2-pin yellow plug is connected as shown on the diagram.
The light on the Maestro is flashing **RED ONCE**.	There is no firmware on the module; flash the RR module. DO NOT use demo mode.

TROUBLESHOOTING TABLE P2 /2

MAESTRO RR RESET PROCEDURE:

Turn the key to the OFF position, then disconnect all connectors from the module.
Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).
Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds to show the reset was successful.

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

IMPORTANT: To ensure proper operation, the aftermarket radio needs to have the latest firmware from the manufacturer. Please visit the radio manufacturer's website and look for any updates pertaining to your radio.

SELECT VEHICLE
PRINT PAGES NEEDED

iDatalink maestro RR

HOW TO USE THIS INSTALL GUIDE

1. Open the Bookmarks menu and find your vehicle OR scroll down until you find the install guide for your vehicle.
2. Print only the pages for your vehicle using the advanced options in the Print menu.
3. Install your Maestro RR according to the guide for your vehicle.

WARNING

Pressing the printer icon or "quick printing" this document will print all of the guides in this compilation.

NOTICE: Automotive Data Solutions Inc. (ADS) recommends having this installation performed by a certified technician. Logos and trademarks used here in are the properties of their respective owners.

INSTALL GUIDE

2008-2017
BUICK ENCLAVE

RETAINS STEERING WHEEL CONTROLS, ONSTAR, BLUETOOTH, XM SATELLITE AND MORE!



PRODUCTS REQUIRED

iDatalink Maestro RR or RR2 Radio Replacement Interface
iDatalink Maestro HRR-GM5+ Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-GM05-DS

ADDITIONAL RESOURCES

Maestro RR2 Programmable Outputs Guide

OPTIONAL ACCESSORIES

K40 ELECTRONICS
ESCORT

Click here for:
Radar Installation Guides

ACC-SP1

HEAD UNIT ADAPTER:
ACC-HU-PIO1, SON1, KEN1, KEN2, ALP1

NOTICE: Automotive Data Solutions Inc. (ADS) recommends having this installation performed by a certified technician. Logos and trademarks used here in are the properties of their respective owners.

WELCOME

Congratulations on the purchase of your iDatalink Maestro RR Radio replacement solution. You are now a few simple steps away from enjoying your new car radio with enhanced features.

Before starting your installation, please ensure that your iDatalink Maestro module is programmed with the correct firmware for your vehicle and that you carefully review the install guide.

Please note that Maestro RR will only retain functionalities that were originally available in the vehicle.

TABLE OF CONTENTS

Before Installing	3
Installation Instructions	4
Wiring Diagram with an Amplifier	5
Wiring Diagram without an Amplifier	6
Radio Wire Reference Chart	7
Module Diagnostics	8
Troubleshooting Table	9

NEED HELP?

1 866 427-2999

maestro.support@idatalink.com

BEFORE INSTALLING P1 /1

STEP 1

DETERMINE IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

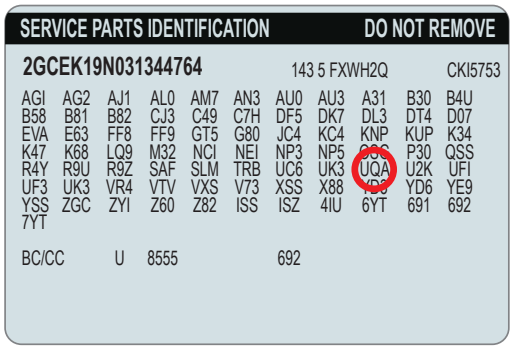
METHOD 1: Look for the following logos in the vehicle. They are usually on the speaker covers or on the radio unit. If you find any of the following logos Bose, Pioneer or Monsoon, you have a factory amplifier.

BOSE

Pioneer

MONSOON

METHOD 2: Look for the following sticker in the glove box. This sticker will indicate all the Regular Production Option (RPO) codes. If you find any of the following codes UQA, UQS or UQG, you have a factory amplifier.



STEP 2

IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **with an amplifier** and read the "**AMPLIFIER ONLY**" note to determine if you should use rca's or level matching circuits.

IF YOUR VEHICLE NOT IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **without an amplifier**.

Automotive Data Solutions Inc. © 2023

INSTALLATION INSTRUCTIONS P1/1

STEP 1

Remove the factory radio

If using head unit adapter (sold separately), connect HRR-GM5+ harness to adapter and skip to step 2.

- Unbox the aftermarket radio and locate its main harness.
- Cut and remove the black 20 pin connector from the HRR-GM5+ T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the HRR-GM5+ T-harness and match the wire functions.

  Note: only connect purple/white wire to radio reverse input or module damage will occur.

STEP 2

- Connect the factory harness to the HRR-GM5+ T-harness.
- Without AMP: Ensure that the WHITE 8 pin plugs are connected.
- With AMP: Connect the HRR-GM5+ 8 pin WHITE connectors to the AMP adapter.

STEP 3

- Connect HRR-GM5+ 2-pin black connector to black connector of OBDII extension harness.
- Plug the OBDII connector into the OBDII of the vehicle, under driver dash.

STEP 4

- Plug the harnesses into the aftermarket radio.
- Connect the backup camera RCA cable into the aftermarket radio.
- With AMP: Connect the Center and SUB RCA cables.
- Plug the Data cable to the data port of the aftermarket radio.
- Insert the Audio cable into the iDatalink 3.5 mm audio jack of the aftermarket radio (if there is no iDatalink audio input, connect to AUX).

  Note: On Pioneer radio, ensure that there is nothing plugged into the W/R port.

STEP 5

- Connect the ACC-SP1 speaker to Maestro module.
- Connect all the harnesses to the Maestro RR module then test your installation.

OnStar or warning chime adjust (Audio in vehicle speakers):

- Turn ignition (IGN) on
- Open driver's door

Select to adjust:

OnStar level - Press OnStar button.

Warning chime level - turn headlight switch to parking light position (not AUTO).

- Adjust volume using steering wheel volume up/down OR dimmer switch. If using dimmer switch, ensure headlight switch is NOT set to AUTO.

OnStar, turn signal, or warning chime adjust (Audio in GM5+ speaker):

- Find "OEM setup" menu in radio settings.

Under "Vehicle Features", select to adjust:

Onstar Volume - Level from 0-9

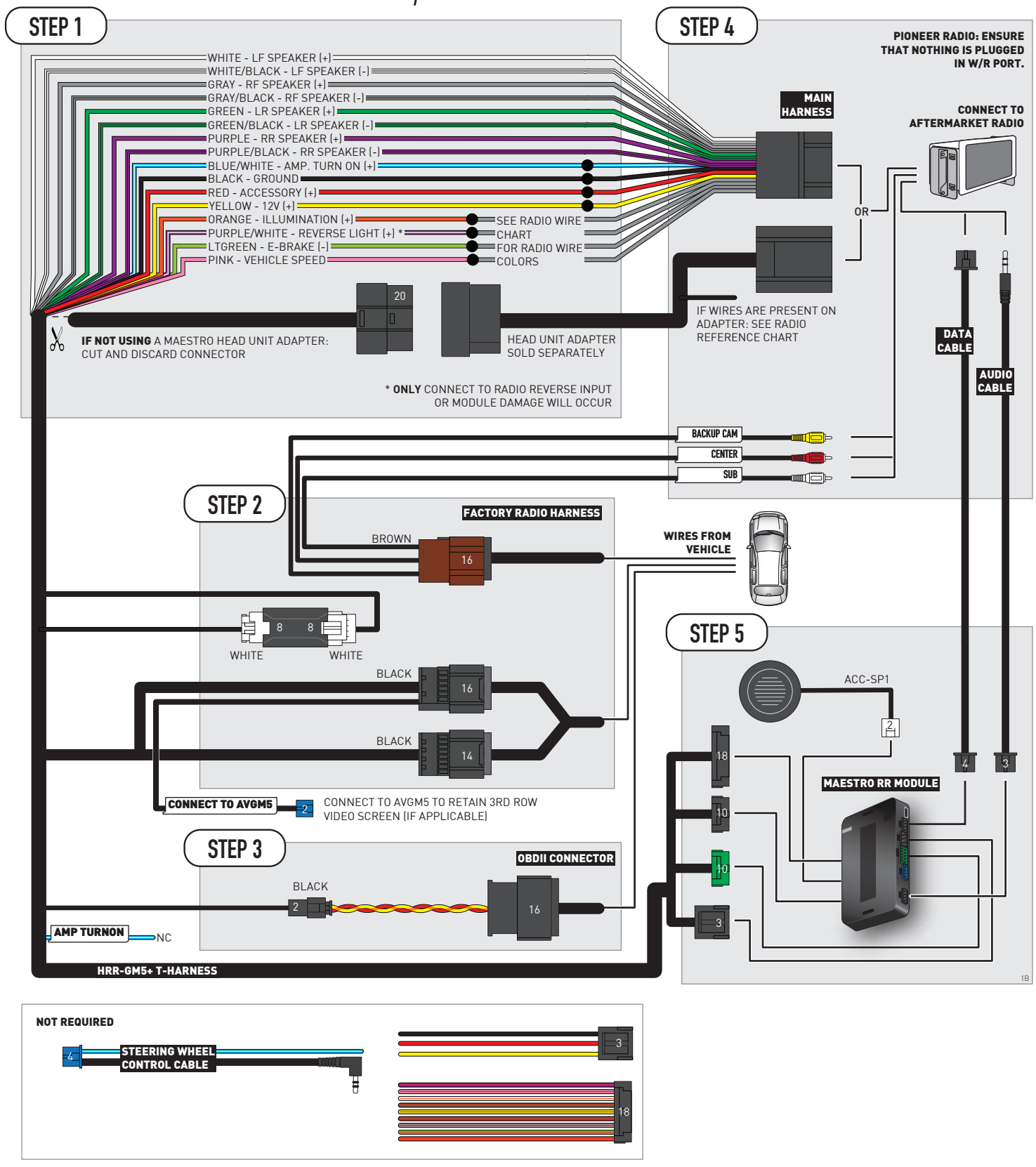
Chime Volume - Level from 0-9

Turn Signal Volume - 1-10

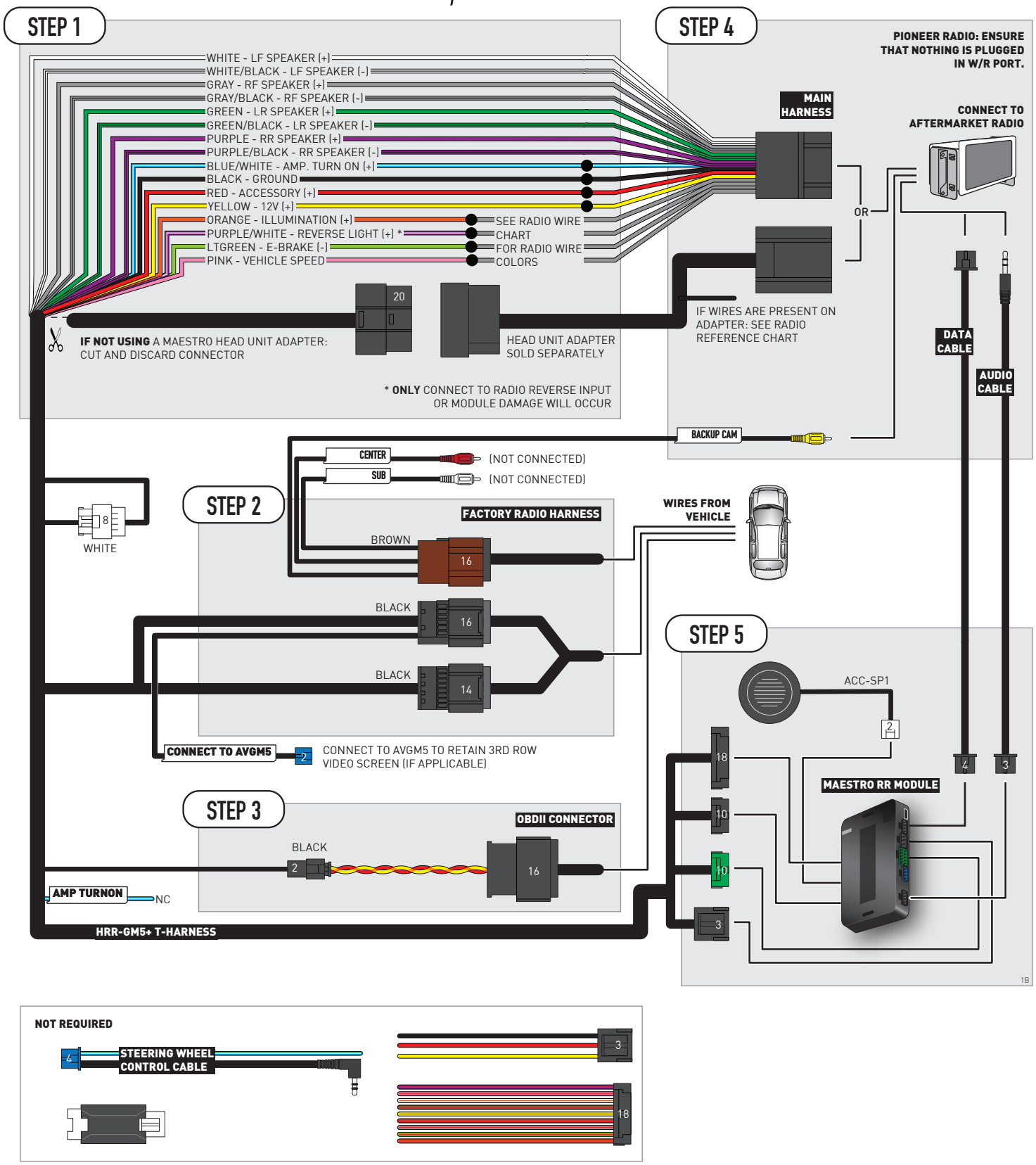
Turn Signal Reminder - Select "Click in speaker" for normal signal sounds. Select "Chime if left on" to only alert if turn signal is left on.

Automotive Data Solutions Inc. © 2023

WIRING DIAGRAM *with an Amplifier*



WIRING DIAGRAM *without an Amplifier*



RADIO WIRE REFERENCE CHART

GM5+ (GM2) T-harness Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/ JVC cable	Wire Color on Pioneer cable	Wire Color on Sony cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light*	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A
Power Antenna	(+)	Blue	Blue	Blue	Blue/White	Blue or Blue/White

Head unit adapter wiring (optional accessory, sold separately)

ACC-HU-ALP1 Wire Description	Polarity	Wire Color on Adapter	Alpine Radio
VSS (vehicle speed sensor)	(DATA)	Green/White	Green/White

ACC-HU-KEN1 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
CAM	(+)	Green/Red	Refer to camera/radio manual
CAM	(-)	Green/White	Refer to camera/radio manual
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

ACC-HU-KEN2 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
E-Brake	(-)	LtGreen	LtGreen
Reverse Light*	(+)	Purple/White	Purple/White
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

* Reverse light wire: Only connect to radio or module damage will occur.

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 (RR2) Bluetooth activity	LED STATUS	DIAGNOSTIC
● or ●		RED or GREEN flashing	LED flashes 1 or more times, either red or green, **when a steering wheel button is pressed** : normal operation.
●		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do NOT use DEMO MODE.
●		2 RED flashes	Problem detected. Consult troubleshooting table.
●		1 GREEN flash	After radio boots up : Normal operation.
	●	3 GREEN flashes	Bluetooth is activated. Turns off after one minute: Normal operation.
●	●	OFF	Normal operation (inactive).

VIDEO HELP		Installation, product information, vehicle specific videos.
VERIFY FLASH		Last flash information, steering control configuration, vehicle information.
WEBLINK		Software to program module.

TROUBLESHOOTING TABLE P1 /2

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure OBDII connector is securely attached to the OBD2 connector of the vehicle. If you hardwired connections at the OBDII, check connections at the OBDII connector. Make sure the **RED/BROWN** wire is on **PIN 6** and the **YELLOW/BROWN** wire is connected to **PIN 14** of the OBDII connector. Do not use T-Taps. Soldering or military splicing methods are recommended. If anything else is connected to the OBD2 or CAN wires of vehicle (programmer, throttle controller, insurance tracker, etc.) try unplugging it to see if gauges work. If gauges work without it installed, call tech support for options. Reset the RR.
No sound from Onstar or OEM Satellite (if equipped).	Make sure the audio cable is installed and inserted into the correct location on the radio.
Trying to use the OEM Satellite and get "Check Tuner" message.	In order to access the OEM Satellite you must go into the radio sources and look for the one that says "Satellite Radio". The SiriusXM source is not the same as the OEM Satellite source.
When listening to the OEM Satellite radio, the turn signals don't make the clicking noise, but they do in any other source.	This is normal. The audio for OEM Satellite radio and the turn signal clicks both come from the audio cable. The Maestro unit cannot process 2 different audio signals at the same time, so the OEM Satellite is priority.
There is no turn signal clicking noise.	Find OEM Setup in the radio settings. Under Vehicle Feature settings, look for Turn Signal Reminder. If it is set to "Chime If Left On", it will not click. If you wish to hear turn signal clicks, this setting must be set to "Click In Speaker".
No sound from the Bose system (If equipped).	Make sure the amplifier turn on wire (Blue/White) of the T-Harness is connected to the radio's amplifier turn on wire. When flashing the Maestro make sure that the Amplifier in OEM Systems to Retain is selected. Make sure the RCA's are connected to the radio or the speaker wires are connected depending on your installation method.
Vehicle had the Bose system and it was bypassed, now there are no chimes.	Remove the Maestro and reflash it, making sure you uncheck the Amplifier option in the OEM Systems section of the flash.
Audio is very quiet or very loud.	Non amplified vehicles: ensure the AMP adapter is NOT plugged in between the white 8 pin plugs. Amplified vehicles: ensure the AMP adapter IS plugged in between the white 8 pin plugs.
(Vehicle using a HRR-GM2 harness only) Backup camera is not working and displays a black screen on radio when in reverse.	Ensure the 2-pin yellow plug is connected as shown on the diagram.
The light on the Maestro is flashing **RED ONCE**.	There is no firmware on the module; flash the RR module.
The radio is **ON** and the light on the Maestro is blinking **RED TWICE**.	Ensure the 4-pin data cable is connected between the radio and the RR, and that it is plugged into the black port on the Maestro RR. The red and blue ports on the RR should be empty. Make sure the correct radio model and serial number were entered during the flash. Verify the radio's serial number entered during the flash matches what is listed on the radio screen. This can be found in the settings of the radio, listed as Device Id, Device Number, or Serial Number.
The light on the Maestro is blinking **RED TWICE** but radio **is NOT** turning on.	If installing a modular radio and it is not turning on, ensure the screen is secured and any trim pieces on the radio have been installed fully. Not installing these fully will prevent radio from powering up and show a 2x red error as well. Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.

TROUBLESHOOTING TABLE P2 /2

MAESTRO RR RESET PROCEDURE:

Turn the key to the OFF position, then disconnect all connectors from the module.
Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).
Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds to show the reset was successful.

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

IMPORTANT: To ensure proper operation, the aftermarket radio needs to have the latest firmware from the manufacturer. Please visit the radio manufacturer's website and look for any updates pertaining to your radio.

INSTALL GUIDE

2006-2011
BUICK LUCERNE

RETAINS STEERING WHEEL CONTROLS, ONSTAR, BLUETOOTH, XM SATELLITE AND MORE!



PRODUCTS REQUIRED

iDatalink Maestro RR or RR2 Radio Replacement Interface
iDatalink Maestro HRR-GM5+ Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-GM05-DS

ADDITIONAL RESOURCES

Maestro RR2 Programmable Outputs Guide

OPTIONAL ACCESSORIES

K40 ELECTRONICS
ESCORT

Click here for:
Radar Installation Guides

ACC-SP1

HEAD UNIT ADAPTER:
ACC-HU-PIO1, SON1, KEN1, KEN2, ALP1

NOTICE: Automotive Data Solutions Inc. (ADS) recommends having this installation performed by a certified technician. Logos and trademarks used here in are the properties of their respective owners.

WELCOME

Congratulations on the purchase of your iDatalink Maestro RR Radio replacement solution. You are now a few simple steps away from enjoying your new car radio with enhanced features.

Before starting your installation, please ensure that your iDatalink Maestro module is programmed with the correct firmware for your vehicle and that you carefully review the install guide.

Please note that Maestro RR will only retain functionalities that were originally available in the vehicle.

TABLE OF CONTENTS

Before Installing	3
Installation Instructions	4
Wiring Diagram with an Amplifier	5
Wiring Diagram without an Amplifier	6
Radio Wire Reference Chart	7
Module Diagnostics	8
Troubleshooting Table	9

NEED HELP?

1 866 427-2999

maestro.support@idatalink.com

BEFORE INSTALLING P1 /1

STEP 1

DETERMINE IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

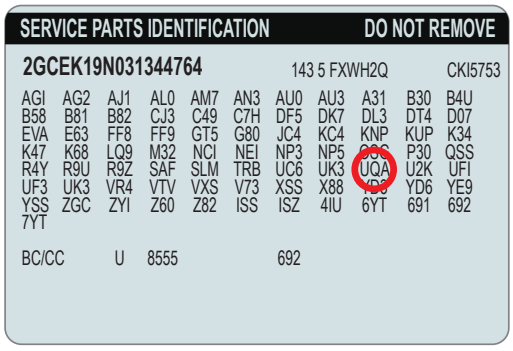
METHOD 1: Look for the following logos in the vehicle. They are usually on the speaker covers or on the radio unit. If you find any of the following logos Bose, Pioneer or Monsoon, you have a factory amplifier.

BOSE

Pioneer

MONSOON

METHOD 2: Look for the following sticker in the glove box. This sticker will indicate all the Regular Production Option (RPO) codes. If you find any of the following codes UQA, UQS or UQG, you have a factory amplifier.



STEP 2

IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **with an amplifier** and read the "**AMPLIFIER ONLY**" note to determine if you should use rca's or level matching circuits.

IF YOUR VEHICLE NOT IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **without an amplifier**.

Automotive Data Solutions Inc. © 2023

INSTALLATION INSTRUCTIONS P1/1

STEP 1

Remove the factory radio

If using head unit adapter (sold separately), connect HRR-GM5+ harness to adapter and skip to step 2.

- Unbox the aftermarket radio and locate its main harness.
- Cut and remove the black 20 pin connector from the HRR-GM5+ T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the HRR-GM5+ T-harness and match the wire functions.

  Note: only connect purple/white wire to radio reverse input or module damage will occur.

STEP 2

- Connect the factory harness to the HRR-GM5+ T-harness.
- Without AMP: Ensure that the WHITE 8 pin plugs are connected.
- With AMP: Connect the HRR-GM5+ 8 pin WHITE connectors to the AMP adapter.

STEP 3

- Connect HRR-GM5+ 2-pin black connector to black connector of OBDII extension harness.
- Plug the OBDII connector into the OBDII of the vehicle, under driver dash.

STEP 4

- Plug the harnesses into the aftermarket radio.
- Connect the backup camera RCA cable into the aftermarket radio.
- With AMP: Connect the Center and SUB RCA cables.
- Plug the Data cable to the data port of the aftermarket radio.
- Insert the Audio cable into the iDatalink 3.5 mm audio jack of the aftermarket radio (if there is no iDatalink audio input, connect to AUX).

  Note: On Pioneer radio, ensure that there is nothing plugged into the W/R port.

STEP 5

- Connect the ACC-SP1 speaker to Maestro module.
- Connect all the harnesses to the Maestro RR module then test your installation.

OnStar or warning chime adjust (Audio in vehicle speakers):

- Turn ignition (IGN) on
- Open driver's door

Select to adjust:

OnStar level - Press OnStar button.

Warning chime level - turn headlight switch to parking light position (not AUTO).

- Adjust volume using steering wheel volume up/down OR dimmer switch. If using dimmer switch, ensure headlight switch is NOT set to AUTO.

OnStar, turn signal, or warning chime adjust (Audio in GM5+ speaker):

- Find "OEM setup" menu in radio settings.

Under "Vehicle Features", select to adjust:

Onstar Volume - Level from 0-9

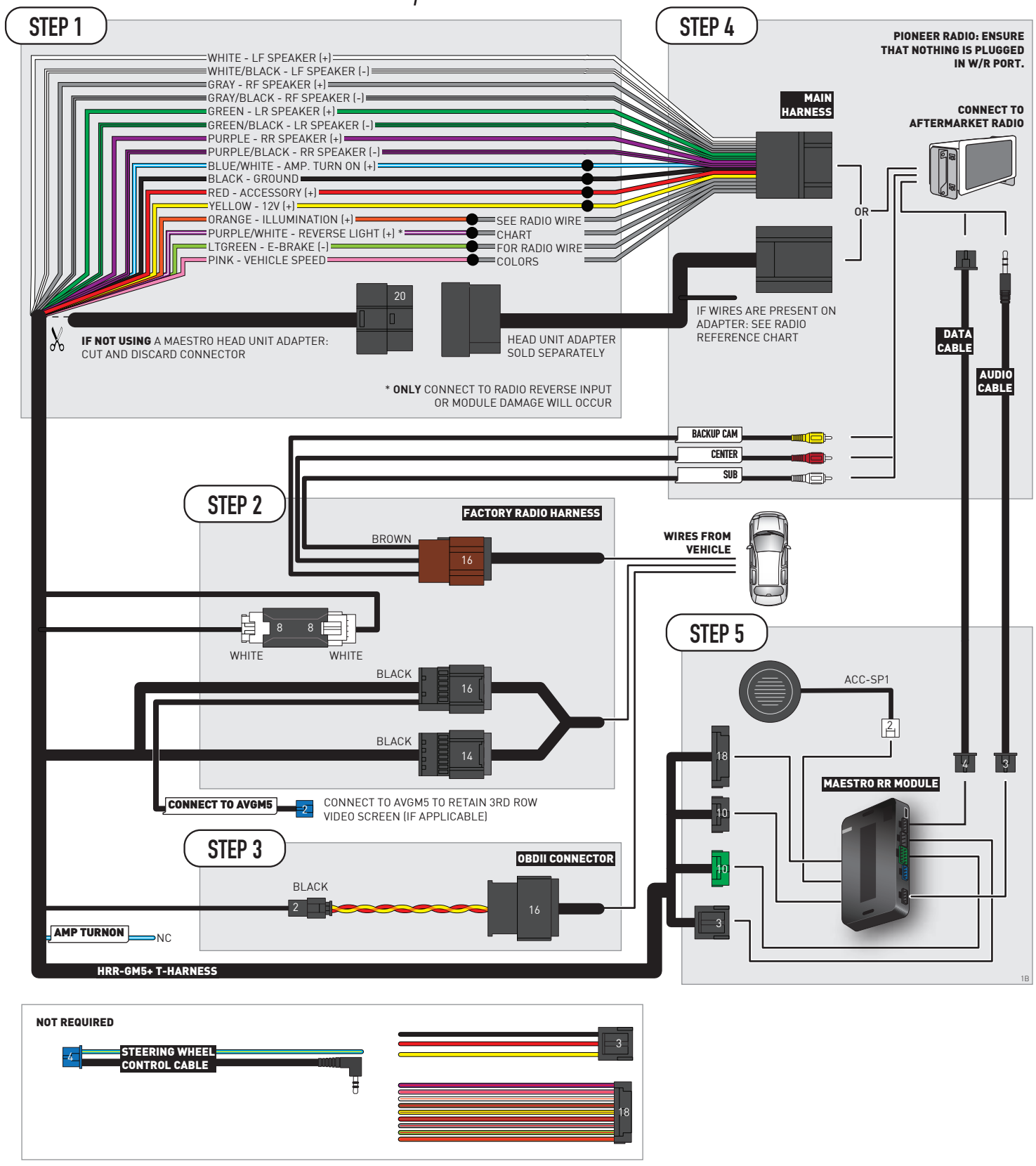
Chime Volume - Level from 0-9

Turn Signal Volume - 1-10

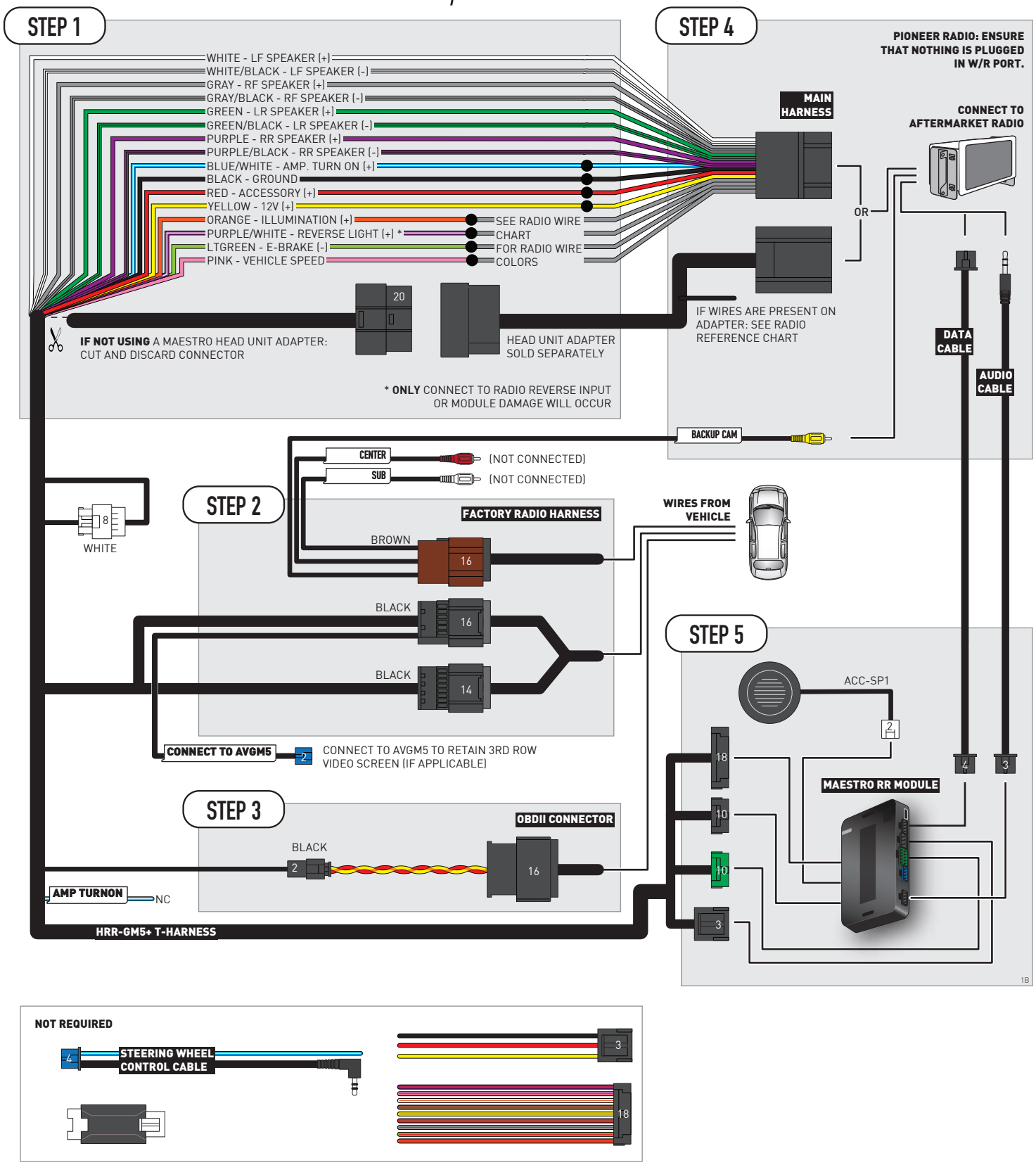
Turn Signal Reminder - Select "Click in speaker" for normal signal sounds. Select "Chime if left on" to only alert if turn signal is left on.

Automotive Data Solutions Inc. © 2023

WIRING DIAGRAM *with an Amplifier*



WIRING DIAGRAM *without an Amplifier*



RADIO WIRE REFERENCE CHART

GM5+ (GM2) T-harness Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/ JVC cable	Wire Color on Pioneer cable	Wire Color on Sony cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light*	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A
Power Antenna	(+)	Blue	Blue	Blue	Blue/White	Blue or Blue/White

Head unit adapter wiring (optional accessory, sold separately)

ACC-HU-ALP1 Wire Description	Polarity	Wire Color on Adapter	Alpine Radio
VSS (vehicle speed sensor)	(DATA)	Green/White	Green/White

ACC-HU-KEN1 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
CAM	(+)	Green/Red	Refer to camera/radio manual
CAM	(-)	Green/White	Refer to camera/radio manual
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

ACC-HU-KEN2 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
E-Brake	(-)	LtGreen	LtGreen
Reverse Light*	(+)	Purple/White	Purple/White
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

* Reverse light wire: Only connect to radio or module damage will occur.

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 (RR2) Bluetooth activity	LED STATUS	DIAGNOSTIC
● or ●		RED or GREEN flashing	LED flashes 1 or more times, either red or green, **when a steering wheel button is pressed** : normal operation.
●		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do NOT use DEMO MODE.
●		2 RED flashes	Problem detected. Consult troubleshooting table.
●		1 GREEN flash	After radio boots up : Normal operation.
	●	3 GREEN flashes	Bluetooth is activated. Turns off after one minute: Normal operation.
●	●	OFF	Normal operation (inactive).

VIDEO HELP		Installation, product information, vehicle specific videos.
VERIFY FLASH		Last flash information, steering control configuration, vehicle information.
WEBLINK		Software to program module.

TROUBLESHOOTING TABLE P1 /2

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure OBDII connector is securely attached to the OBD2 connector of the vehicle. If you hardwired connections at the OBDII, check connections at the OBDII connector. Make sure the **RED/BROWN** wire is on **PIN 6** and the **YELLOW/BROWN** wire is connected to **PIN 14** of the OBDII connector. Do not use T-Taps. Soldering or military splicing methods are recommended. If anything else is connected to the OBD2 or CAN wires of vehicle (programmer, throttle controller, insurance tracker, etc.) try unplugging it to see if gauges work. If gauges work without it installed, call tech support for options. Reset the RR.
No sound from Onstar or OEM Satellite (if equipped).	Make sure the audio cable is installed and inserted into the correct location on the radio.
Trying to use the OEM Satellite and get "Check Tuner" message.	In order to access the OEM Satellite you must go into the radio sources and look for the one that says "Satellite Radio". The SiriusXM source is not the same as the OEM Satellite source.
When listening to the OEM Satellite radio, the turn signals don't make the clicking noise, but they do in any other source.	This is normal. The audio for OEM Satellite radio and the turn signal clicks both come from the audio cable. The Maestro unit cannot process 2 different audio signals at the same time, so the OEM Satellite is priority.
There is no turn signal clicking noise.	Find OEM Setup in the radio settings. Under Vehicle Feature settings, look for Turn Signal Reminder. If it is set to "Chime If Left On", it will not click. If you wish to hear turn signal clicks, this setting must be set to "Click In Speaker".
No sound from the Bose system (If equipped).	Make sure the amplifier turn on wire (Blue/White) of the T-Harness is connected to the radio's amplifier turn on wire. When flashing the Maestro make sure that the Amplifier in OEM Systems to Retain is selected. Make sure the RCA's are connected to the radio or the speaker wires are connected depending on your installation method.
Vehicle had the Bose system and it was bypassed, now there are no chimes.	Remove the Maestro and reflash it, making sure you uncheck the Amplifier option in the OEM Systems section of the flash.
Audio is very quiet or very loud.	Non amplified vehicles: ensure the AMP adapter is NOT plugged in between the white 8 pin plugs. Amplified vehicles: ensure the AMP adapter IS plugged in between the white 8 pin plugs.
(Vehicle using a HRR-GM2 harness only) Backup camera is not working and displays a black screen on radio when in reverse.	Ensure the 2-pin yellow plug is connected as shown on the diagram.
The light on the Maestro is flashing **RED ONCE**.	There is no firmware on the module; flash the RR module.
The radio is **ON** and the light on the Maestro is blinking **RED TWICE**.	Ensure the 4-pin data cable is connected between the radio and the RR, and that it is plugged into the black port on the Maestro RR. The red and blue ports on the RR should be empty. Make sure the correct radio model and serial number were entered during the flash. Verify the radio's serial number entered during the flash matches what is listed on the radio screen. This can be found in the settings of the radio, listed as Device Id, Device Number, or Serial Number.
The light on the Maestro is blinking **RED TWICE** but radio **is NOT** turning on.	If installing a modular radio and it is not turning on, ensure the screen is secured and any trim pieces on the radio have been installed fully. Not installing these fully will prevent radio from powering up and show a 2x red error as well. Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.

TROUBLESHOOTING TABLE P2 /2

MAESTRO RR RESET PROCEDURE:

Turn the key to the OFF position, then disconnect all connectors from the module.
Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).
Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds to show the reset was successful.

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

IMPORTANT: To ensure proper operation, the aftermarket radio needs to have the latest firmware from the manufacturer. Please visit the radio manufacturer's website and look for any updates pertaining to your radio.

INSTALL GUIDE

2006-2011
CADILLAC DTS

RETAINS STEERING WHEEL CONTROLS, ONSTAR, BLUETOOTH, XM SATELLITE AND MORE!



PRODUCTS REQUIRED

iDatalink Maestro RR or RR2 Radio Replacement Interface
iDatalink Maestro HRR-GM5+ Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-GM05-DS

ADDITIONAL RESOURCES

Maestro RR2 Programmable Outputs Guide

OPTIONAL ACCESSORIES

K40 ELECTRONICS
ESCORT

Click here for:
Radar Installation Guides

ACC-SP1

HEAD UNIT ADAPTER:
ACC-HU-PIO1, SON1, KEN1, KEN2, ALP1

NOTICE: Automotive Data Solutions Inc. (ADS) recommends having this installation performed by a certified technician. Logos and trademarks used here in are the properties of their respective owners.

WELCOME

Congratulations on the purchase of your iDatalink Maestro RR Radio replacement solution. You are now a few simple steps away from enjoying your new car radio with enhanced features.

Before starting your installation, please ensure that your iDatalink Maestro module is programmed with the correct firmware for your vehicle and that you carefully review the install guide.

Please note that Maestro RR will only retain functionalities that were originally available in the vehicle.

TABLE OF CONTENTS

Before Installing	3
Installation Instructions	4
Wiring Diagram with an Amplifier	5
Wiring Diagram without an Amplifier	6
Radio Wire Reference Chart	7
Module Diagnostics	8
Troubleshooting Table	9

NEED HELP?

1 866 427-2999

maestro.support@idatalink.com

BEFORE INSTALLING P1 /1

STEP 1

DETERMINE IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

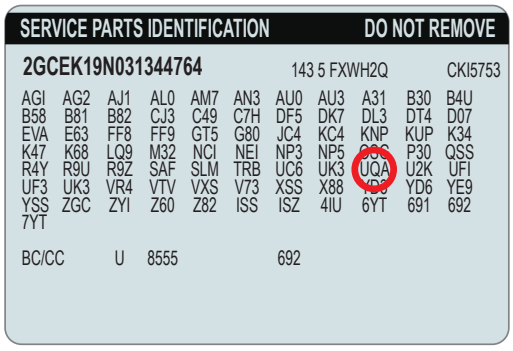
METHOD 1: Look for the following logos in the vehicle. They are usually on the speaker covers or on the radio unit. If you find any of the following logos Bose, Pioneer or Monsoon, you have a factory amplifier.

BOSE

Pioneer

MONSOON

METHOD 2: Look for the following sticker in the glove box. This sticker will indicate all the Regular Production Option (RPO) codes. If you find any of the following codes UQA, UQS or UQG, you have a factory amplifier.



STEP 2

IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **with an amplifier** and read the "**AMPLIFIER ONLY**" note to determine if you should use rca's or level matching circuits.

IF YOUR VEHICLE NOT IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **without an amplifier**.

Automotive Data Solutions Inc. © 2023

INSTALLATION INSTRUCTIONS P1/1

STEP 1

Remove the factory radio

If using head unit adapter (sold separately), connect HRR-GM5+ harness to adapter and skip to step 2.

- Unbox the aftermarket radio and locate its main harness.
- Cut and remove the black 20 pin connector from the HRR-GM5+ T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the HRR-GM5+ T-harness and match the wire functions.

  Note: only connect purple/white wire to radio reverse input or module damage will occur.

STEP 2

- Connect the factory harness to the HRR-GM5+ T-harness.
- Without AMP: Ensure that the WHITE 8 pin plugs are connected.
- With AMP: Connect the HRR-GM5+ 8 pin WHITE connectors to the AMP adapter.

STEP 3

- Connect HRR-GM5+ 2-pin black connector to black connector of OBDII extension harness.
- Plug the OBDII connector into the OBDII of the vehicle, under driver dash.

STEP 4

- Plug the harnesses into the aftermarket radio.
- Connect the backup camera RCA cable into the aftermarket radio.
- With AMP: Connect the Center and SUB RCA cables.
- Plug the Data cable to the data port of the aftermarket radio.
- Insert the Audio cable into the iDatalink 3.5 mm audio jack of the aftermarket radio (if there is no iDatalink audio input, connect to AUX).

  Note: On Pioneer radio, ensure that there is nothing plugged into the W/R port.

STEP 5

- Connect the ACC-SP1 speaker to Maestro module.
- Connect all the harnesses to the Maestro RR module then test your installation.

OnStar or warning chime adjust (Audio in vehicle speakers):

- Turn ignition (IGN) on
- Open driver's door

Select to adjust:

OnStar level - Press OnStar button.

Warning chime level - turn headlight switch to parking light position (not AUTO).

- Adjust volume using steering wheel volume up/down OR dimmer switch. If using dimmer switch, ensure headlight switch is NOT set to AUTO.

OnStar, turn signal, or warning chime adjust (Audio in GM5+ speaker):

- Find "OEM setup" menu in radio settings.

Under "Vehicle Features", select to adjust:

Onstar Volume - Level from 0-9

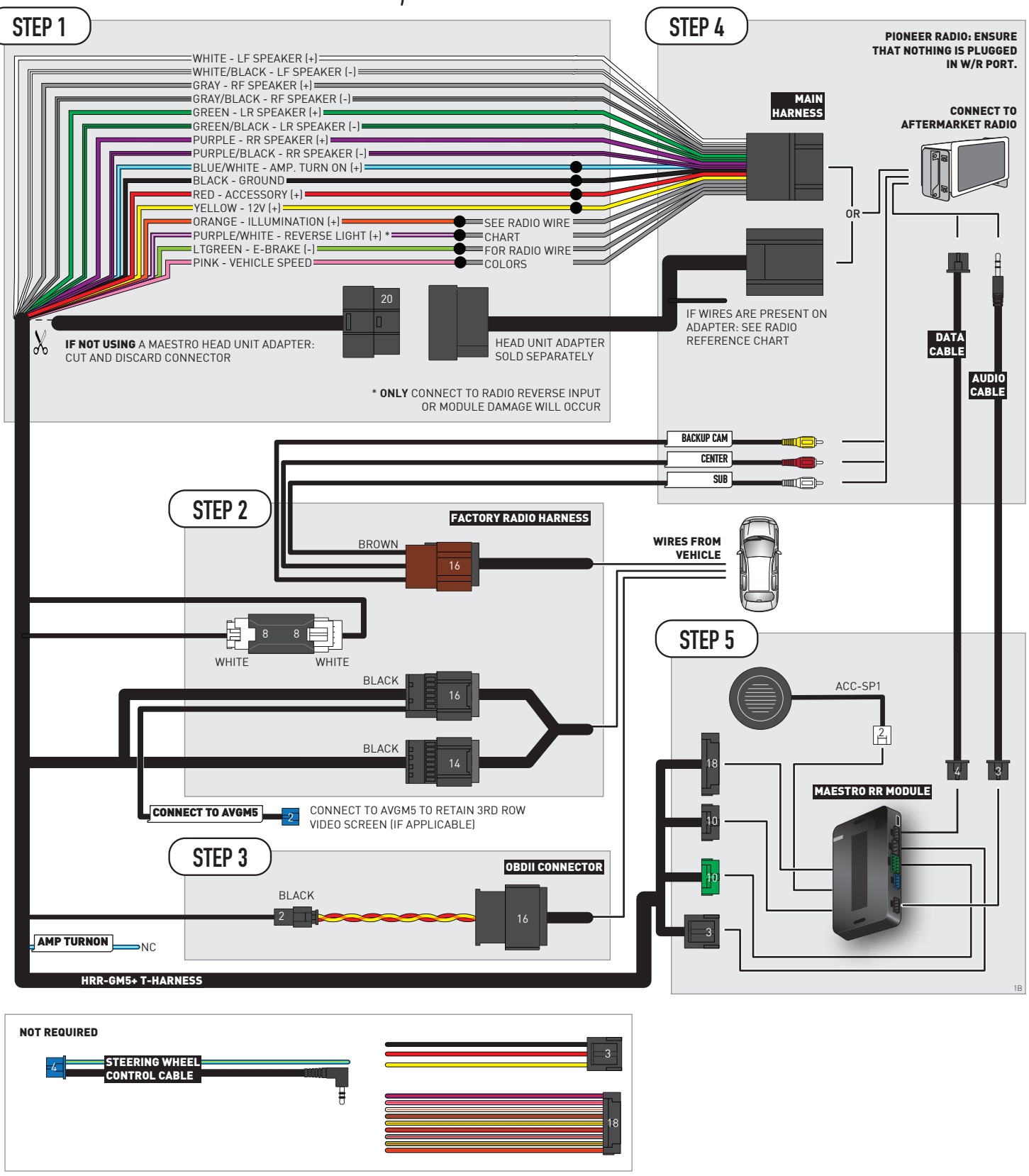
Chime Volume - Level from 0-9

Turn Signal Volume - 1-10

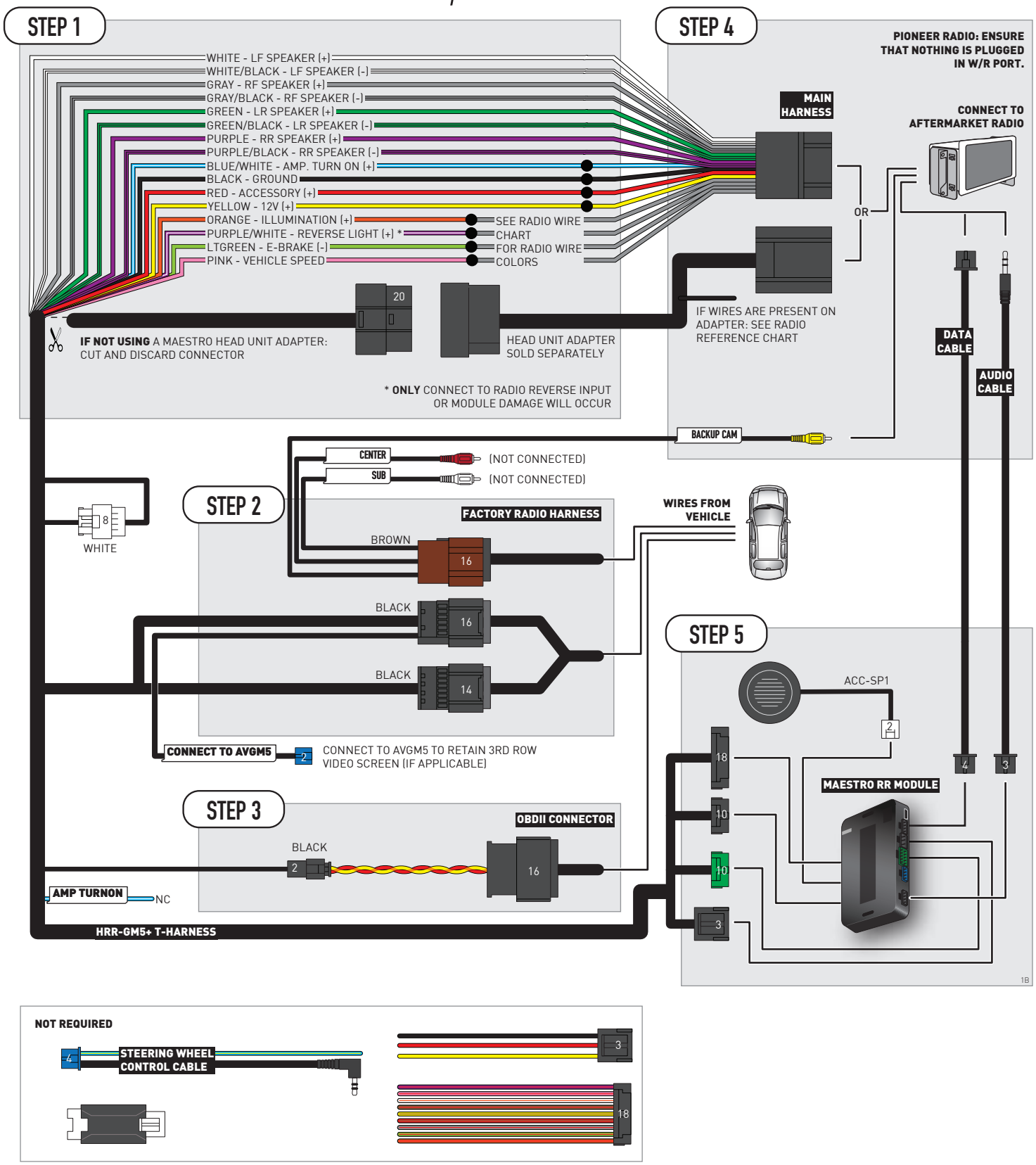
Turn Signal Reminder - Select "Click in speaker" for normal signal sounds. Select "Chime if left on" to only alert if turn signal is left on.

1

WIRING DIAGRAM *with an Amplifier*



WIRING DIAGRAM *without an Amplifier*



RADIO WIRE REFERENCE CHART

GM5+ (GM2) T-harness Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/ JVC cable	Wire Color on Pioneer cable	Wire Color on Sony cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light*	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A
Power Antenna	(+)	Blue	Blue	Blue	Blue/White	Blue or Blue/White

Head unit adapter wiring (optional accessory, sold separately)

ACC-HU-ALP1 Wire Description	Polarity	Wire Color on Adapter	Alpine Radio
VSS (vehicle speed sensor)	(DATA)	Green/White	Green/White

ACC-HU-KEN1 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
CAM	(+)	Green/Red	Refer to camera/radio manual
CAM	(-)	Green/White	Refer to camera/radio manual
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

ACC-HU-KEN2 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
E-Brake	(-)	LtGreen	LtGreen
Reverse Light*	(+)	Purple/White	Purple/White
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

* Reverse light wire: Only connect to radio or module damage will occur.

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 (RR2) Bluetooth activity	LED STATUS	DIAGNOSTIC
● or ●		RED or GREEN flashing	LED flashes 1 or more times, either red or green, **when a steering wheel button is pressed** : normal operation.
●		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do NOT use DEMO MODE.
●		2 RED flashes	Problem detected. Consult troubleshooting table.
●		1 GREEN flash	After radio boots up : Normal operation.
	●	3 GREEN flashes	Bluetooth is activated. Turns off after one minute: Normal operation.
●	●	OFF	Normal operation (inactive).

VIDEO HELP		Installation, product information, vehicle specific videos.
VERIFY FLASH		Last flash information, steering control configuration, vehicle information.
WEBLINK		Software to program module.

TROUBLESHOOTING TABLE P1 /2

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure OBDII connector is securely attached to the OBD2 connector of the vehicle. If you hardwired connections at the OBDII, check connections at the OBDII connector. Make sure the **RED/BROWN** wire is on **PIN 6** and the **YELLOW/BROWN** wire is connected to **PIN 14** of the OBDII connector. Do not use T-Taps. Soldering or military splicing methods are recommended. If anything else is connected to the OBD2 or CAN wires of vehicle (programmer, throttle controller, insurance tracker, etc.) try unplugging it to see if gauges work. If gauges work without it installed, call tech support for options. Reset the RR.
No sound from Onstar or OEM Satellite (if equipped).	Make sure the audio cable is installed and inserted into the correct location on the radio.
Trying to use the OEM Satellite and get "Check Tuner" message.	In order to access the OEM Satellite you must go into the radio sources and look for the one that says "Satellite Radio". The SiriusXM source is not the same as the OEM Satellite source.
When listening to the OEM Satellite radio, the turn signals don't make the clicking noise, but they do in any other source.	This is normal. The audio for OEM Satellite radio and the turn signal clicks both come from the audio cable. The Maestro unit cannot process 2 different audio signals at the same time, so the OEM Satellite is priority.
There is no turn signal clicking noise.	Find OEM Setup in the radio settings. Under Vehicle Feature settings, look for Turn Signal Reminder. If it is set to "Chime If Left On", it will not click. If you wish to hear turn signal clicks, this setting must be set to "Click In Speaker".
No sound from the Bose system (If equipped).	Make sure the amplifier turn on wire (Blue/White) of the T-Harness is connected to the radio's amplifier turn on wire. When flashing the Maestro make sure that the Amplifier in OEM Systems to Retain is selected. Make sure the RCA's are connected to the radio or the speaker wires are connected depending on your installation method.
Vehicle had the Bose system and it was bypassed, now there are no chimes.	Remove the Maestro and reflash it, making sure you uncheck the Amplifier option in the OEM Systems section of the flash.
Audio is very quiet or very loud.	Non amplified vehicles: ensure the AMP adapter is NOT plugged in between the white 8 pin plugs. Amplified vehicles: ensure the AMP adapter IS plugged in between the white 8 pin plugs.
(Vehicle using a HRR-GM2 harness only) Backup camera is not working and displays a black screen on radio when in reverse.	Ensure the 2-pin yellow plug is connected as shown on the diagram.
The light on the Maestro is flashing **RED ONCE**.	There is no firmware on the module; flash the RR module.
The radio is **ON** and the light on the Maestro is blinking **RED TWICE**.	Ensure the 4-pin data cable is connected between the radio and the RR, and that it is plugged into the black port on the Maestro RR. The red and blue ports on the RR should be empty. Make sure the correct radio model and serial number were entered during the flash. Verify the radio's serial number entered during the flash matches what is listed on the radio screen. This can be found in the settings of the radio, listed as Device Id, Device Number, or Serial Number.
The light on the Maestro is blinking **RED TWICE** but radio **is NOT** turning on.	If installing a modular radio and it is not turning on, ensure the screen is secured and any trim pieces on the radio have been installed fully. Not installing these fully will prevent radio from powering up and show a 2x red error as well. Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.

TROUBLESHOOTING TABLE P2 /2

MAESTRO RR RESET PROCEDURE:

Turn the key to the OFF position, then disconnect all connectors from the module.
Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).
Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds to show the reset was successful.

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

IMPORTANT: To ensure proper operation, the aftermarket radio needs to have the latest firmware from the manufacturer. Please visit the radio manufacturer's website and look for any updates pertaining to your radio.

INSTALL GUIDE

2007-2008
CADILLAC ESCALADE

RETAINS STEERING WHEEL CONTROLS, ONSTAR, BLUETOOTH, XM SATELLITE AND MORE!



PRODUCTS REQUIRED

iDatalink Maestro RR or RR2 Radio Replacement Interface
iDatalink Maestro HRR-GM5+ Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-GM05-DS

ADDITIONAL RESOURCES

Maestro RR2 Programmable Outputs Guide

OPTIONAL ACCESSORIES

K40 ELECTRONICS
ESCORT

Click here for:
Radar Installation Guides

ACC-SP1

HEAD UNIT ADAPTER:
ACC-HU-PIO1, SON1, KEN1, KEN2, ALP1

NOTICE: Automotive Data Solutions Inc. (ADS) recommends having this installation performed by a certified technician. Logos and trademarks used here in are the properties of their respective owners.

WELCOME

Congratulations on the purchase of your iDatalink Maestro RR Radio replacement solution. You are now a few simple steps away from enjoying your new car radio with enhanced features.

Before starting your installation, please ensure that your iDatalink Maestro module is programmed with the correct firmware for your vehicle and that you carefully review the install guide.

Please note that Maestro RR will only retain functionalities that were originally available in the vehicle.

TABLE OF CONTENTS

Before Installing	3
Installation Instructions	4
Wiring Diagram with an Amplifier	5
Wiring Diagram without an Amplifier	6
Radio Wire Reference Chart	7
Module Diagnostics	8
Troubleshooting Table	9

NEED HELP?

1 866 427-2999

maestro.support@idatalink.com

BEFORE INSTALLING P1 /1

STEP 1

DETERMINE IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

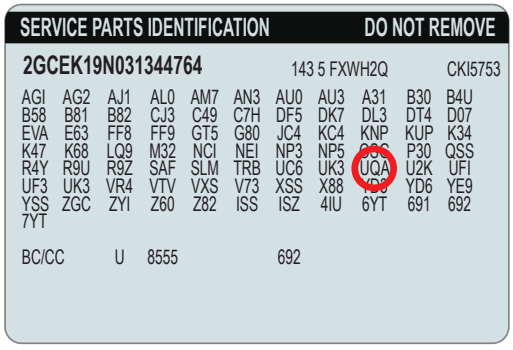
METHOD 1: Look for the following logos in the vehicle. They are usually on the speaker covers or on the radio unit. If you find any of the following logos Bose, Pioneer or Monsoon, you have a factory amplifier.

BOSE

Pioneer

MONSOON

METHOD 2: Look for the following sticker in the glove box. This sticker will indicate all the Regular Production Option (RPO) codes. If you find any of the following codes UQA, UQS or UQG, you have a factory amplifier.



STEP 2

IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **with an amplifier** and read the "**AMPLIFIER ONLY**" note to determine if you should use rca's or level matching circuits.

IF YOUR VEHICLE NOT IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **without an amplifier**.

Automotive Data Solutions Inc. © 2023

INSTALLATION INSTRUCTIONS P1/1

STEP 1

Remove the factory radio

If using head unit adapter (sold separately), connect HRR-GM5+ harness to adapter and skip to step 2.

- Unbox the aftermarket radio and locate its main harness.
- Cut and remove the black 20 pin connector from the HRR-GM5+ T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the HRR-GM5+ T-harness and match the wire functions.

  Note: only connect purple/white wire to radio reverse input or module damage will occur.

STEP 2

- Connect the factory harness to the HRR-GM5+ T-harness.
- Without AMP: Ensure that the WHITE 8 pin plugs are connected.
- With AMP: Connect the HRR-GM5+ 8 pin WHITE connectors to the AMP adapter.

STEP 3

- Connect HRR-GM5+ 2-pin black connector to black connector of OBDII extension harness.
- Plug the OBDII connector into the OBDII of the vehicle, under driver dash.

STEP 4

- Plug the harnesses into the aftermarket radio.
- Connect the backup camera RCA cable into the aftermarket radio.
- With AMP: Connect the Center and SUB RCA cables.
- Plug the Data cable to the data port of the aftermarket radio.
- Insert the Audio cable into the iDatalink 3.5 mm audio jack of the aftermarket radio (if there is no iDatalink audio input, connect to AUX).

  Note: On Pioneer radio, ensure that there is nothing plugged into the W/R port.

STEP 5

- Connect the ACC-SP1 speaker to Maestro module.
- Connect all the harnesses to the Maestro RR module then test your installation.

OnStar or warning chime adjust (Audio in vehicle speakers):

- Turn ignition (IGN) on
- Open driver's door

Select to adjust:

OnStar level - Press OnStar button.

Warning chime level - turn headlight switch to parking light position (not AUTO).

- Adjust volume using steering wheel volume up/down OR dimmer switch. If using dimmer switch, ensure headlight switch is NOT set to AUTO.

OnStar, turn signal, or warning chime adjust (Audio in GM5+ speaker):

- Find "OEM setup" menu in radio settings.

Under "Vehicle Features", select to adjust:

Onstar Volume - Level from 0-9

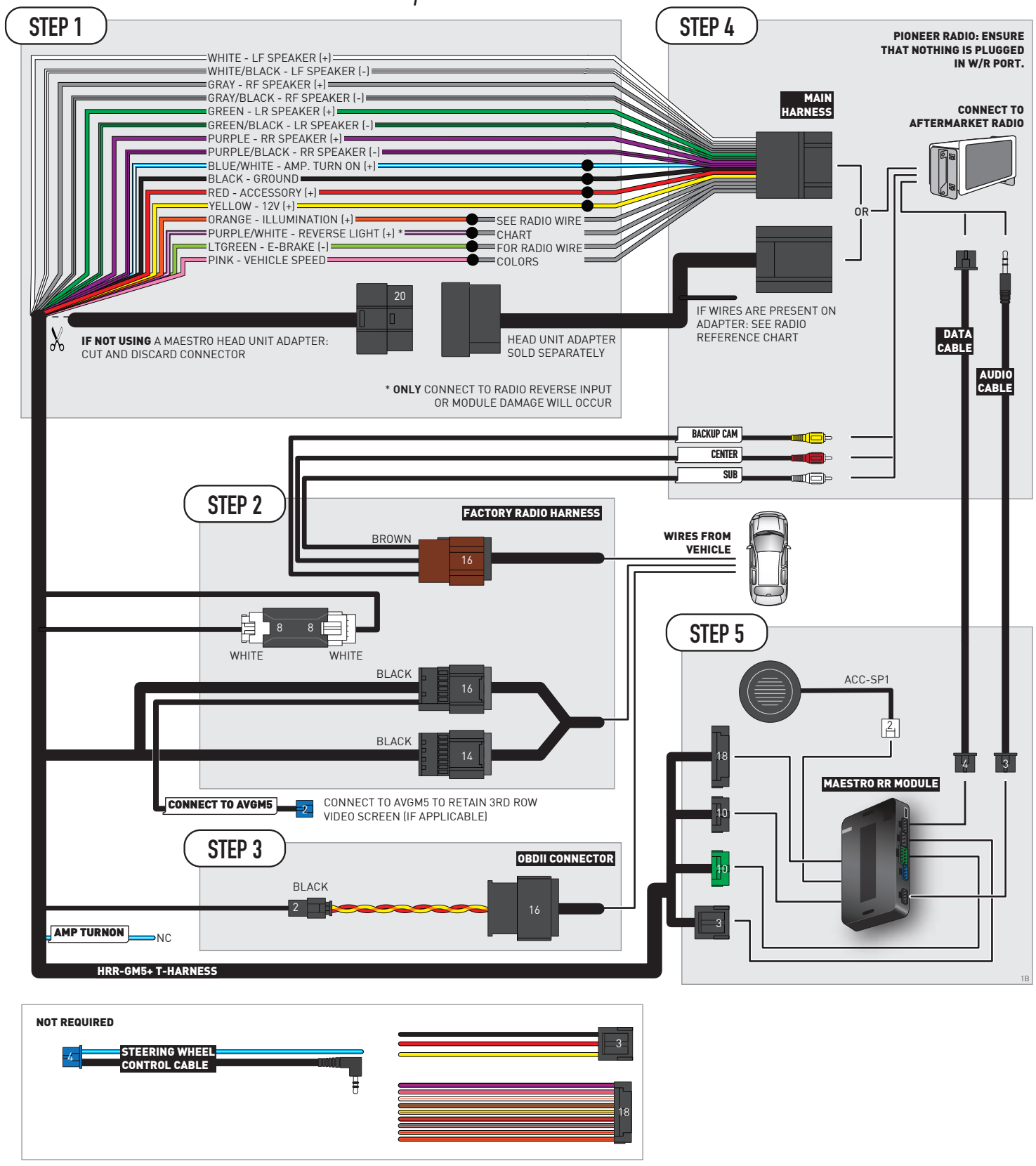
Chime Volume - Level from 0-9

Turn Signal Volume - 1-10

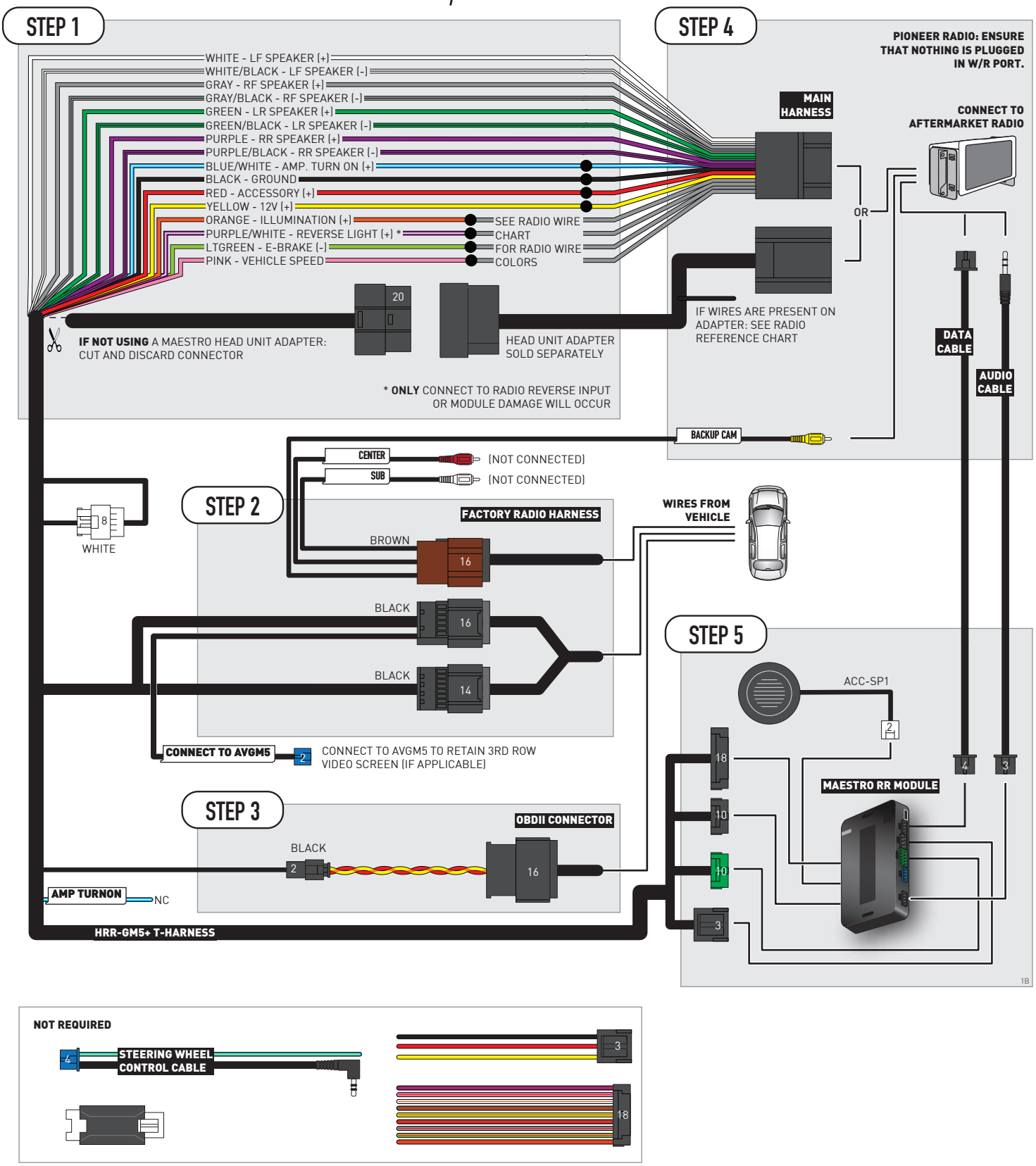
Turn Signal Reminder - Select "Click in speaker" for normal signal sounds. Select "Chime if left on" to only alert if turn signal is left on.

Automotive Data Solutions Inc. © 2023

WIRING DIAGRAM *with an Amplifier*



WIRING DIAGRAM *without an Amplifier*



RADIO WIRE REFERENCE CHART

GM5+ (GM2) T-harness Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/ JVC cable	Wire Color on Pioneer cable	Wire Color on Sony cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light*	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A
Power Antenna	(+)	Blue	Blue	Blue	Blue/White	Blue or Blue/White

Head unit adapter wiring (optional accessory, sold separately)

ACC-HU-ALP1 Wire Description	Polarity	Wire Color on Adapter	Alpine Radio
VSS (vehicle speed sensor)	(DATA)	Green/White	Green/White

ACC-HU-KEN1 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
CAM	(+)	Green/Red	Refer to camera/radio manual
CAM	(-)	Green/White	Refer to camera/radio manual
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

ACC-HU-KEN2 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
E-Brake	(-)	LtGreen	LtGreen
Reverse Light*	(+)	Purple/White	Purple/White
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

* Reverse light wire: Only connect to radio or module damage will occur.

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 (RR2) Bluetooth activity	LED STATUS	DIAGNOSTIC
● or ●		RED or GREEN flashing	LED flashes 1 or more times, either red or green, **when a steering wheel button is pressed** : normal operation.
●		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do NOT use DEMO MODE.
●		2 RED flashes	Problem detected. Consult troubleshooting table.
●		1 GREEN flash	After radio boots up : Normal operation.
	●	3 GREEN flashes	Bluetooth is activated. Turns off after one minute: Normal operation.
●	●	OFF	Normal operation (inactive).

VIDEO HELP		Installation, product information, vehicle specific videos.
VERIFY FLASH		Last flash information, steering control configuration, vehicle information.
WEBLINK		Software to program module.

TROUBLESHOOTING TABLE P1 /2

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure OBDII connector is securely attached to the OBD2 connector of the vehicle. If you hardwired connections at the OBDII, check connections at the OBDII connector. Make sure the **RED/BROWN** wire is on **PIN 6** and the **YELLOW/BROWN** wire is connected to **PIN 14** of the OBDII connector. Do not use T-Taps. Soldering or military splicing methods are recommended. If anything else is connected to the OBD2 or CAN wires of vehicle (programmer, throttle controller, insurance tracker, etc.) try unplugging it to see if gauges work. If gauges work without it installed, call tech support for options. Reset the RR.
No sound from Onstar or OEM Satellite (if equipped).	Make sure the audio cable is installed and inserted into the correct location on the radio.
Trying to use the OEM Satellite and get "Check Tuner" message.	In order to access the OEM Satellite you must go into the radio sources and look for the one that says "Satellite Radio". The SiriusXM source is not the same as the OEM Satellite source.
When listening to the OEM Satellite radio, the turn signals don't make the clicking noise, but they do in any other source.	This is normal. The audio for OEM Satellite radio and the turn signal clicks both come from the audio cable. The Maestro unit cannot process 2 different audio signals at the same time, so the OEM Satellite is priority.
There is no turn signal clicking noise.	Find OEM Setup in the radio settings. Under Vehicle Feature settings, look for Turn Signal Reminder. If it is set to "Chime If Left On", it will not click. If you wish to hear turn signal clicks, this setting must be set to "Click In Speaker".
No sound from the Bose system (If equipped).	Make sure the amplifier turn on wire (Blue/White) of the T-Harness is connected to the radio's amplifier turn on wire. When flashing the Maestro make sure that the Amplifier in OEM Systems to Retain is selected. Make sure the RCA's are connected to the radio or the speaker wires are connected depending on your installation method.
Vehicle had the Bose system and it was bypassed, now there are no chimes.	Remove the Maestro and reflash it, making sure you uncheck the Amplifier option in the OEM Systems section of the flash.
Audio is very quiet or very loud.	Non amplified vehicles: ensure the AMP adapter is NOT plugged in between the white 8 pin plugs. Amplified vehicles: ensure the AMP adapter IS plugged in between the white 8 pin plugs.
(Vehicle using a HRR-GM2 harness only) Backup camera is not working and displays a black screen on radio when in reverse.	Ensure the 2-pin yellow plug is connected as shown on the diagram.
The light on the Maestro is flashing **RED ONCE**.	There is no firmware on the module; flash the RR module.
The radio is **ON** and the light on the Maestro is blinking **RED TWICE**.	Ensure the 4-pin data cable is connected between the radio and the RR, and that it is plugged into the black port on the Maestro RR. The red and blue ports on the RR should be empty. Make sure the correct radio model and serial number were entered during the flash. Verify the radio's serial number entered during the flash matches what is listed on the radio screen. This can be found in the settings of the radio, listed as Device Id, Device Number, or Serial Number.
The light on the Maestro is blinking **RED TWICE** but radio **is NOT** turning on.	If installing a modular radio and it is not turning on, ensure the screen is secured and any trim pieces on the radio have been installed fully. Not installing these fully will prevent radio from powering up and show a 2x red error as well. Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.

TROUBLESHOOTING TABLE P2 /2

MAESTRO RR RESET PROCEDURE:

Turn the key to the OFF position, then disconnect all connectors from the module.
Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).
Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds to show the reset was successful.

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

IMPORTANT: To ensure proper operation, the aftermarket radio needs to have the latest firmware from the manufacturer. Please visit the radio manufacturer's website and look for any updates pertaining to your radio.

INSTALL GUIDE

2007-2008
CADILLAC ESCALADE ESV

RETAINS STEERING WHEEL CONTROLS, ONSTAR, BLUETOOTH, XM SATELLITE AND MORE!



PRODUCTS REQUIRED

iDatalink Maestro RR or RR2 Radio Replacement Interface
iDatalink Maestro HRR-GM5+ Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-GM05-DS

ADDITIONAL RESOURCES

Maestro RR2 Programmable Outputs Guide

OPTIONAL ACCESSORIES

K40 ELECTRONICS
ESCORT

Click here for:
Radar Installation Guides

ACC-SP1

HEAD UNIT ADAPTER:
ACC-HU-PIO1, SON1, KEN1, KEN2, ALP1

NOTICE: Automotive Data Solutions Inc. (ADS) recommends having this installation performed by a certified technician. Logos and trademarks used here in are the properties of their respective owners.

WELCOME

Congratulations on the purchase of your iDatalink Maestro RR Radio replacement solution. You are now a few simple steps away from enjoying your new car radio with enhanced features.

Before starting your installation, please ensure that your iDatalink Maestro module is programmed with the correct firmware for your vehicle and that you carefully review the install guide.

Please note that Maestro RR will only retain functionalities that were originally available in the vehicle.

TABLE OF CONTENTS

Before Installing	3
Installation Instructions	4
Wiring Diagram with an Amplifier	5
Wiring Diagram without an Amplifier	6
Radio Wire Reference Chart	7
Module Diagnostics	8
Troubleshooting Table	9

NEED HELP?

1 866 427-2999

maestro.support@idatalink.com

BEFORE INSTALLING P1 /1

STEP 1

DETERMINE IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

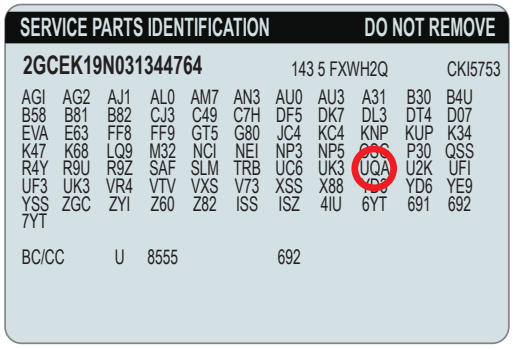
METHOD 1: Look for the following logos in the vehicle. They are usually on the speaker covers or on the radio unit. If you find any of the following logos Bose, Pioneer or Monsoon, you have a factory amplifier.

BOSE

Pioneer

MONSOON

METHOD 2: Look for the following sticker in the glove box. This sticker will indicate all the Regular Production Option (RPO) codes. If you find any of the following codes UQA, UQS or UQG, you have a factory amplifier.



STEP 2

IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **with an amplifier** and read the "**AMPLIFIER ONLY**" note to determine if you should use rca's or level matching circuits.

IF YOUR VEHICLE NOT IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **without an amplifier**.

Automotive Data Solutions Inc. © 2023

INSTALLATION INSTRUCTIONS P1/1

STEP 1

Remove the factory radio

If using head unit adapter (sold separately), connect HRR-GM5+ harness to adapter and skip to step 2.

- Unbox the aftermarket radio and locate its main harness.
- Cut and remove the black 20 pin connector from the HRR-GM5+ T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the HRR-GM5+ T-harness and match the wire functions.

  Note: only connect purple/white wire to radio reverse input or module damage will occur.

STEP 2

- Connect the factory harness to the HRR-GM5+ T-harness.
- Without AMP: Ensure that the WHITE 8 pin plugs are connected.
- With AMP: Connect the HRR-GM5+ 8 pin WHITE connectors to the AMP adapter.

STEP 3

- Connect HRR-GM5+ 2-pin black connector to black connector of OBDII extension harness.
- Plug the OBDII connector into the OBDII of the vehicle, under driver dash.

STEP 4

- Plug the harnesses into the aftermarket radio.
- Connect the backup camera RCA cable into the aftermarket radio.
- With AMP: Connect the Center and SUB RCA cables.
- Plug the Data cable to the data port of the aftermarket radio.
- Insert the Audio cable into the iDatalink 3.5 mm audio jack of the aftermarket radio (if there is no iDatalink audio input, connect to AUX).

  Note: On Pioneer radio, ensure that there is nothing plugged into the W/R port.

STEP 5

- Connect the ACC-SP1 speaker to Maestro module.
- Connect all the harnesses to the Maestro RR module then test your installation.

OnStar or warning chime adjust (Audio in vehicle speakers):

- Turn ignition (IGN) on
- Open driver's door

Select to adjust:

OnStar level - Press OnStar button.

Warning chime level - turn headlight switch to parking light position (not AUTO).

- Adjust volume using steering wheel volume up/down OR dimmer switch. If using dimmer switch, ensure headlight switch is NOT set to AUTO.

OnStar, turn signal, or warning chime adjust (Audio in GM5+ speaker):

- Find "OEM setup" menu in radio settings.

Under "Vehicle Features", select to adjust:

Onstar Volume - Level from 0-9

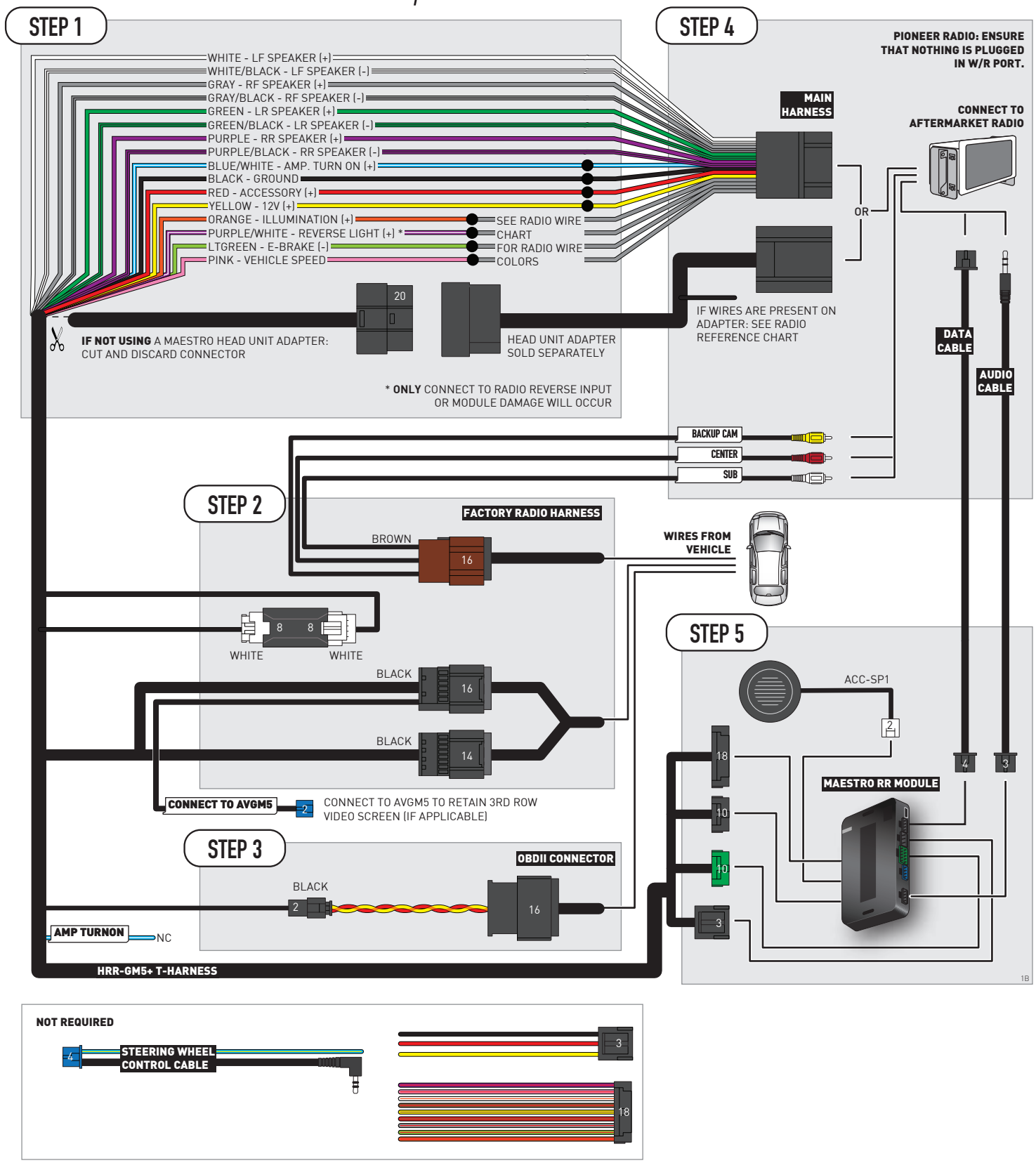
Chime Volume - Level from 0-9

Turn Signal Volume - 1-10

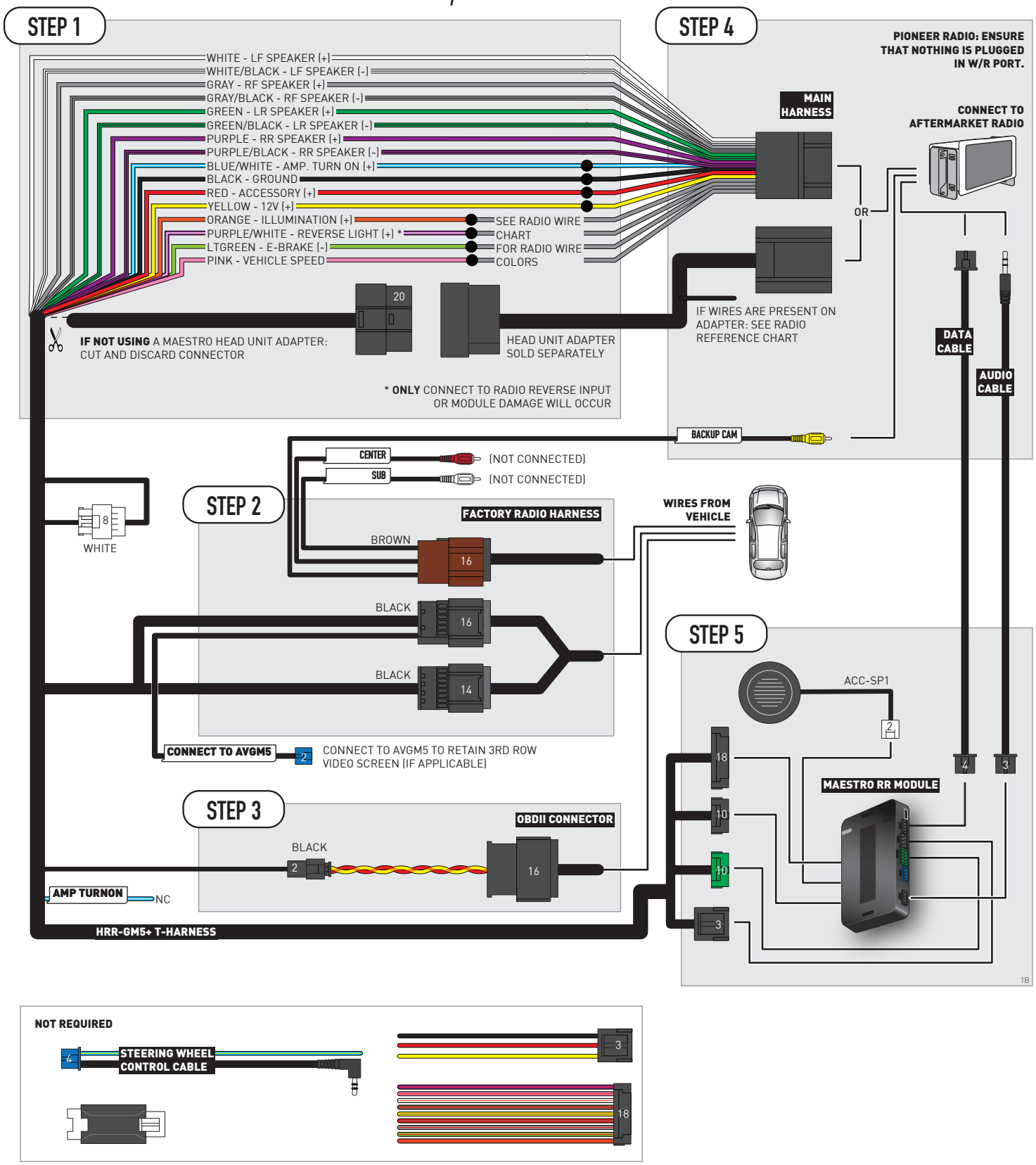
Turn Signal Reminder - Select "Click in speaker" for normal signal sounds. Select "Chime if left on" to only alert if turn signal is left on.

Automotive Data Solutions Inc. © 2023

WIRING DIAGRAM *with an Amplifier*



WIRING DIAGRAM *without an Amplifier*



RADIO WIRE REFERENCE CHART

GM5+ (GM2) T-harness Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/ JVC cable	Wire Color on Pioneer cable	Wire Color on Sony cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light*	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A
Power Antenna	(+)	Blue	Blue	Blue	Blue/White	Blue or Blue/White

Head unit adapter wiring (optional accessory, sold separately)

ACC-HU-ALP1 Wire Description	Polarity	Wire Color on Adapter	Alpine Radio
VSS (vehicle speed sensor)	(DATA)	Green/White	Green/White

ACC-HU-KEN1 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
CAM	(+)	Green/Red	Refer to camera/radio manual
CAM	(-)	Green/White	Refer to camera/radio manual
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

ACC-HU-KEN2 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
E-Brake	(-)	LtGreen	LtGreen
Reverse Light*	(+)	Purple/White	Purple/White
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

* Reverse light wire: Only connect to radio or module damage will occur.

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 (RR2) Bluetooth activity	LED STATUS	DIAGNOSTIC
● or ●		RED or GREEN flashing	LED flashes 1 or more times, either red or green, **when a steering wheel button is pressed** : normal operation.
●		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do NOT use DEMO MODE.
●		2 RED flashes	Problem detected. Consult troubleshooting table.
●		1 GREEN flash	After radio boots up : Normal operation.
	●	3 GREEN flashes	Bluetooth is activated. Turns off after one minute: Normal operation.
●	●	OFF	Normal operation (inactive).

VIDEO HELP		Installation, product information, vehicle specific videos.
VERIFY FLASH		Last flash information, steering control configuration, vehicle information.
WEBLINK		Software to program module.

TROUBLESHOOTING TABLE P1 /2

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure OBDII connector is securely attached to the OBD2 connector of the vehicle. If you hardwired connections at the OBDII, check connections at the OBDII connector. Make sure the **RED/BROWN** wire is on **PIN 6** and the **YELLOW/BROWN** wire is connected to **PIN 14** of the OBDII connector. Do not use T-Taps. Soldering or military splicing methods are recommended. If anything else is connected to the OBD2 or CAN wires of vehicle (programmer, throttle controller, insurance tracker, etc.) try unplugging it to see if gauges work. If gauges work without it installed, call tech support for options. Reset the RR.
No sound from Onstar or OEM Satellite (if equipped).	Make sure the audio cable is installed and inserted into the correct location on the radio.
Trying to use the OEM Satellite and get "Check Tuner" message.	In order to access the OEM Satellite you must go into the radio sources and look for the one that says "Satellite Radio". The SiriusXM source is not the same as the OEM Satellite source.
When listening to the OEM Satellite radio, the turn signals don't make the clicking noise, but they do in any other source.	This is normal. The audio for OEM Satellite radio and the turn signal clicks both come from the audio cable. The Maestro unit cannot process 2 different audio signals at the same time, so the OEM Satellite is priority.
There is no turn signal clicking noise.	Find OEM Setup in the radio settings. Under Vehicle Feature settings, look for Turn Signal Reminder. If it is set to "Chime If Left On", it will not click. If you wish to hear turn signal clicks, this setting must be set to "Click In Speaker".
No sound from the Bose system (If equipped).	Make sure the amplifier turn on wire (Blue/White) of the T-Harness is connected to the radio's amplifier turn on wire. When flashing the Maestro make sure that the Amplifier in OEM Systems to Retain is selected. Make sure the RCA's are connected to the radio or the speaker wires are connected depending on your installation method.
Vehicle had the Bose system and it was bypassed, now there are no chimes.	Remove the Maestro and reflash it, making sure you uncheck the Amplifier option in the OEM Systems section of the flash.
Audio is very quiet or very loud.	Non amplified vehicles: ensure the AMP adapter is NOT plugged in between the white 8 pin plugs. Amplified vehicles: ensure the AMP adapter IS plugged in between the white 8 pin plugs.
(Vehicle using a HRR-GM2 harness only) Backup camera is not working and displays a black screen on radio when in reverse.	Ensure the 2-pin yellow plug is connected as shown on the diagram.
The light on the Maestro is flashing **RED ONCE**.	There is no firmware on the module; flash the RR module.
The radio is **ON** and the light on the Maestro is blinking **RED TWICE**.	Ensure the 4-pin data cable is connected between the radio and the RR, and that it is plugged into the black port on the Maestro RR. The red and blue ports on the RR should be empty. Make sure the correct radio model and serial number were entered during the flash. Verify the radio's serial number entered during the flash matches what is listed on the radio screen. This can be found in the settings of the radio, listed as Device Id, Device Number, or Serial Number.
The light on the Maestro is blinking **RED TWICE** but radio **is NOT** turning on.	If installing a modular radio and it is not turning on, ensure the screen is secured and any trim pieces on the radio have been installed fully. Not installing these fully will prevent radio from powering up and show a 2x red error as well. Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.

TROUBLESHOOTING TABLE P2 /2

MAESTRO RR RESET PROCEDURE:

Turn the key to the OFF position, then disconnect all connectors from the module.
Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).
Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds to show the reset was successful.

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

IMPORTANT: To ensure proper operation, the aftermarket radio needs to have the latest firmware from the manufacturer. Please visit the radio manufacturer's website and look for any updates pertaining to your radio.

INSTALL GUIDE

2009-2014
CADILLAC ESCALADE ESV
WITH NAV

RETAINS STEERING WHEEL CONTROLS, ONSTAR, BLUETOOTH, XM SATELLITE AND MORE!



PRODUCTS REQUIRED

iDatalink Maestro RR or RR2 Radio Replacement Interface
iDatalink Maestro HRR-GM5+ Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-GM05-DS

ADDITIONAL RESOURCES

Maestro RR2 Programmable Outputs Guide

OPTIONAL ACCESSORIES

K40 ELECTRONICS
ESCORT

Click here for:
Radar Installation Guides

ACC-SP1

HEAD UNIT ADAPTER:
ACC-HU-PIO1, SON1, KEN1, KEN2, ALP1

NOTICE: Automotive Data Solutions Inc. (ADS) recommends having this installation performed by a certified technician. Logos and trademarks used here in are the properties of their respective owners.

WELCOME

Congratulations on the purchase of your iDatalink Maestro RR Radio replacement solution. You are now a few simple steps away from enjoying your new car radio with enhanced features.

Before starting your installation, please ensure that your iDatalink Maestro module is programmed with the correct firmware for your vehicle and that you carefully review the install guide.

Please note that Maestro RR will only retain functionalities that were originally available in the vehicle.

TABLE OF CONTENTS

Before Installing	3
Installation Instructions	4
Wiring Diagram with an Amplifier	5
Wiring Diagram without an Amplifier	6
Radio Wire Reference Chart	7
Module Diagnostics	8
Troubleshooting Table	9

NEED HELP?

1 866 427-2999

maestro.support@idatalink.com

BEFORE INSTALLING P1 /1

STEP 1

DETERMINE IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

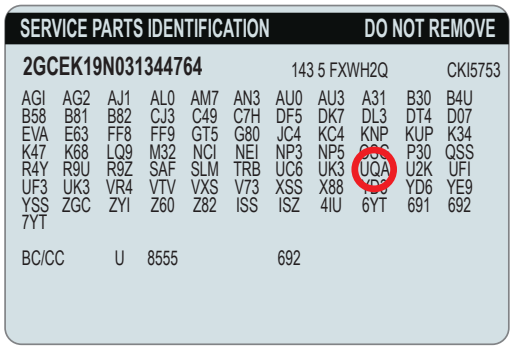
METHOD 1: Look for the following logos in the vehicle. They are usually on the speaker covers or on the radio unit. If you find any of the following logos Bose, Pioneer or Monsoon, you have a factory amplifier.

BOSE

Pioneer

MONSOON

METHOD 2: Look for the following sticker in the glove box. This sticker will indicate all the Regular Production Option (RPO) codes. If you find any of the following codes UQA, UQS or UQG, you have a factory amplifier.



STEP 2

IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **with an amplifier** and read the "**AMPLIFIER ONLY**" note to determine if you should use rca's or level matching circuits.

IF YOUR VEHICLE NOT IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **without an amplifier**.

Automotive Data Solutions Inc. © 2023

INSTALLATION INSTRUCTIONS P1/1

STEP 1

Remove the factory radio

If using head unit adapter (sold separately), connect HRR-GM5+ harness to adapter and skip to step 2.

- Unbox the aftermarket radio and locate its main harness.
- Cut and remove the black 20 pin connector from the HRR-GM5+ T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the HRR-GM5+ T-harness and match the wire functions.

  Note: only connect purple/white wire to radio reverse input or module damage will occur.

STEP 2

- Connect the factory harness to the HRR-GM5+ T-harness.
- Without AMP: Ensure that the WHITE 8 pin plugs are connected.
- With AMP: Connect the HRR-GM5+ 8 pin WHITE connectors to the AMP adapter.

STEP 3

- Connect HRR-GM5+ 2-pin black connector to black connector of OBDII extension harness.
- Plug the OBDII connector into the OBDII of the vehicle, under driver dash.

STEP 4

- Plug the harnesses into the aftermarket radio.
- Connect the backup camera RCA cable into the aftermarket radio.
- With AMP: Connect the Center and SUB RCA cables.
- Plug the Data cable to the data port of the aftermarket radio.
- Insert the Audio cable into the iDatalink 3.5 mm audio jack of the aftermarket radio (if there is no iDatalink audio input, connect to AUX).

  Note: On Pioneer radio, ensure that there is nothing plugged into the W/R port.

STEP 5

- Connect the ACC-SP1 speaker to Maestro module.
- Connect all the harnesses to the Maestro RR module then test your installation.

OnStar or warning chime adjust (Audio in vehicle speakers):

- Turn ignition (IGN) on
- Open driver's door

Select to adjust:

OnStar level - Press OnStar button.

Warning chime level - turn headlight switch to parking light position (not AUTO).

- Adjust volume using steering wheel volume up/down OR dimmer switch. If using dimmer switch, ensure headlight switch is NOT set to AUTO.

OnStar, turn signal, or warning chime adjust (Audio in GM5+ speaker):

- Find "OEM setup" menu in radio settings.

Under "Vehicle Features", select to adjust:

Onstar Volume - Level from 0-9

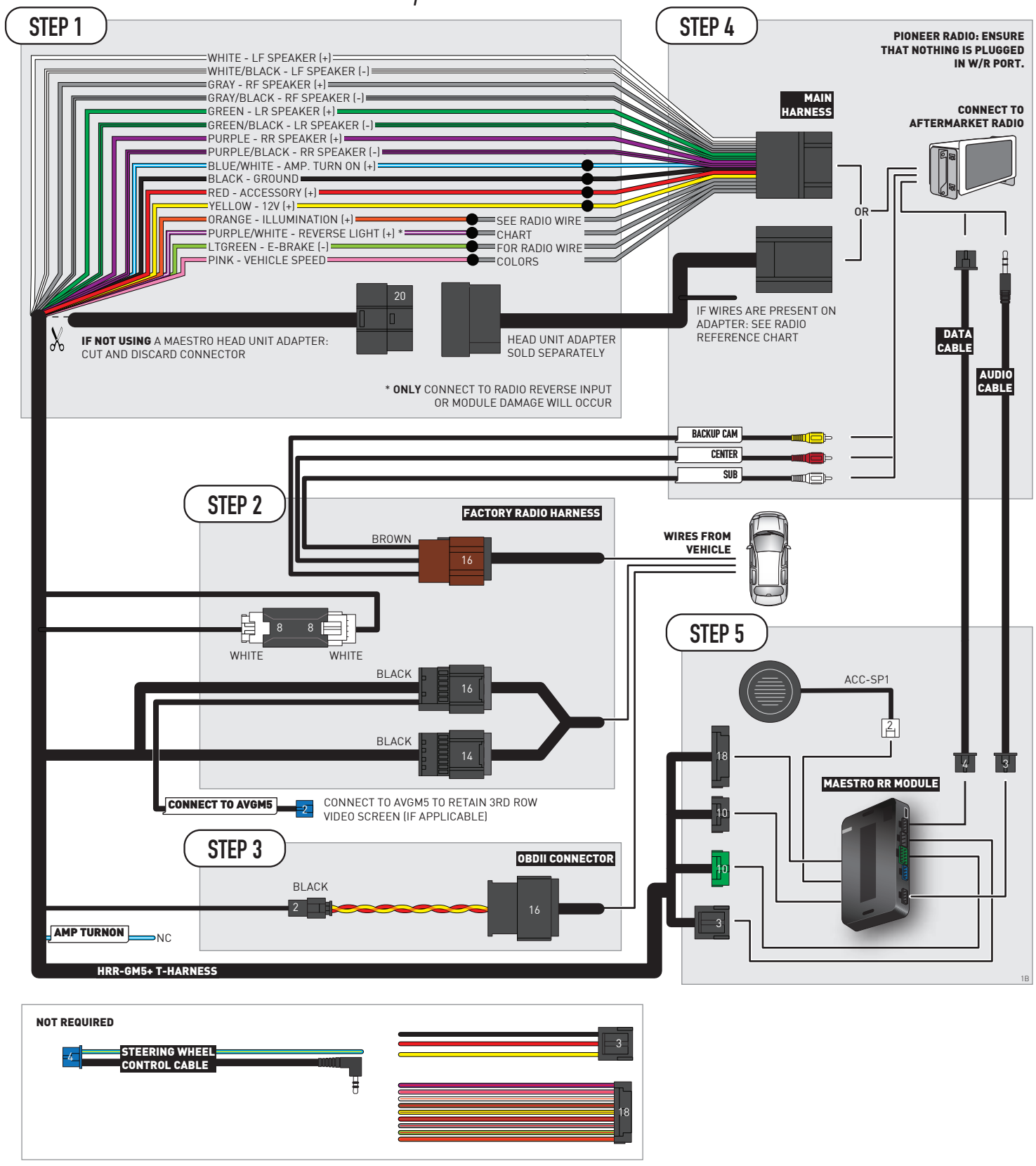
Chime Volume - Level from 0-9

Turn Signal Volume - 1-10

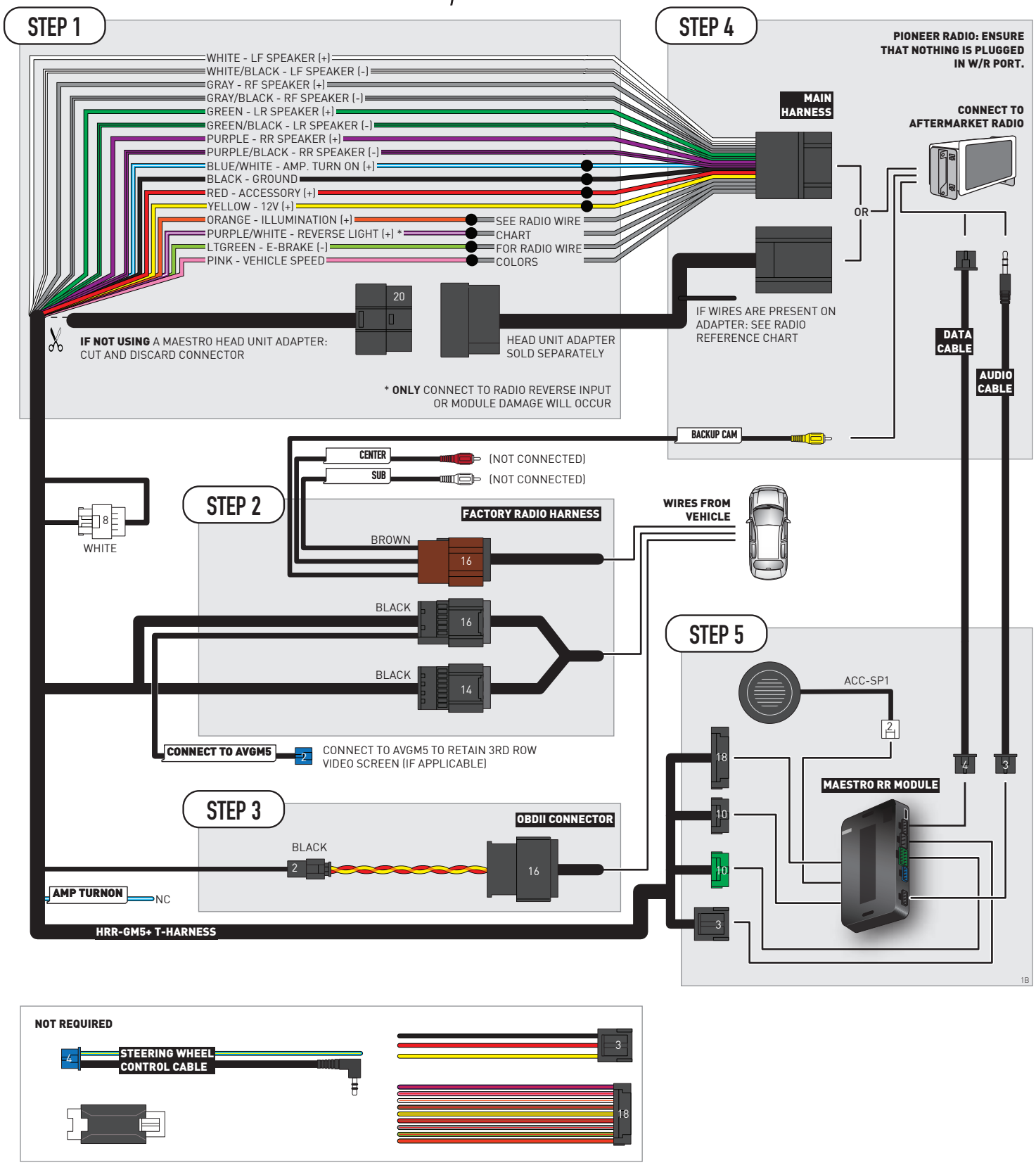
Turn Signal Reminder - Select "Click in speaker" for normal signal sounds. Select "Chime if left on" to only alert if turn signal is left on.

Automotive Data Solutions Inc. © 2023

WIRING DIAGRAM *with an Amplifier*



WIRING DIAGRAM *without an Amplifier*



RADIO WIRE REFERENCE CHART

GM5+ (GM2) T-harness Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/ JVC cable	Wire Color on Pioneer cable	Wire Color on Sony cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light*	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A
Power Antenna	(+)	Blue	Blue	Blue	Blue/White	Blue or Blue/White

Head unit adapter wiring (optional accessory, sold separately)

ACC-HU-ALP1 Wire Description	Polarity	Wire Color on Adapter	Alpine Radio
VSS (vehicle speed sensor)	(DATA)	Green/White	Green/White

ACC-HU-KEN1 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
CAM	(+)	Green/Red	Refer to camera/radio manual
CAM	(-)	Green/White	Refer to camera/radio manual
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

ACC-HU-KEN2 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
E-Brake	(-)	LtGreen	LtGreen
Reverse Light*	(+)	Purple/White	Purple/White
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

* Reverse light wire: Only connect to radio or module damage will occur.

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 (RR2) Bluetooth activity	LED STATUS	DIAGNOSTIC
● or ●		RED or GREEN flashing	LED flashes 1 or more times, either red or green, **when a steering wheel button is pressed** : normal operation.
●		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do NOT use DEMO MODE.
●		2 RED flashes	Problem detected. Consult troubleshooting table.
●		1 GREEN flash	After radio boots up : Normal operation.
	●	3 GREEN flashes	Bluetooth is activated. Turns off after one minute: Normal operation.
●	●	OFF	Normal operation (inactive).

VIDEO HELP		Installation, product information, vehicle specific videos.
VERIFY FLASH		Last flash information, steering control configuration, vehicle information.
WEBLINK		Software to program module.

TROUBLESHOOTING TABLE P1 /2

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure OBDII connector is securely attached to the OBD2 connector of the vehicle. If you hardwired connections at the OBDII, check connections at the OBDII connector. Make sure the **RED/BROWN** wire is on **PIN 6** and the **YELLOW/BROWN** wire is connected to **PIN 14** of the OBDII connector. Do not use T-Taps. Soldering or military splicing methods are recommended. If anything else is connected to the OBD2 or CAN wires of vehicle (programmer, throttle controller, insurance tracker, etc.) try unplugging it to see if gauges work. If gauges work without it installed, call tech support for options. Reset the RR.
No sound from Onstar or OEM Satellite (if equipped).	Make sure the audio cable is installed and inserted into the correct location on the radio.
Trying to use the OEM Satellite and get "Check Tuner" message.	In order to access the OEM Satellite you must go into the radio sources and look for the one that says "Satellite Radio". The SiriusXM source is not the same as the OEM Satellite source.
When listening to the OEM Satellite radio, the turn signals don't make the clicking noise, but they do in any other source.	This is normal. The audio for OEM Satellite radio and the turn signal clicks both come from the audio cable. The Maestro unit cannot process 2 different audio signals at the same time, so the OEM Satellite is priority.
There is no turn signal clicking noise.	Find OEM Setup in the radio settings. Under Vehicle Feature settings, look for Turn Signal Reminder. If it is set to "Chime If Left On", it will not click. If you wish to hear turn signal clicks, this setting must be set to "Click In Speaker".
No sound from the Bose system (If equipped).	Make sure the amplifier turn on wire (Blue/White) of the T-Harness is connected to the radio's amplifier turn on wire. When flashing the Maestro make sure that the Amplifier in OEM Systems to Retain is selected. Make sure the RCA's are connected to the radio or the speaker wires are connected depending on your installation method.
Vehicle had the Bose system and it was bypassed, now there are no chimes.	Remove the Maestro and reflash it, making sure you uncheck the Amplifier option in the OEM Systems section of the flash.
Audio is very quiet or very loud.	Non amplified vehicles: ensure the AMP adapter is NOT plugged in between the white 8 pin plugs. Amplified vehicles: ensure the AMP adapter IS plugged in between the white 8 pin plugs.
(Vehicle using a HRR-GM2 harness only) Backup camera is not working and displays a black screen on radio when in reverse.	Ensure the 2-pin yellow plug is connected as shown on the diagram.
The light on the Maestro is flashing **RED ONCE**.	There is no firmware on the module; flash the RR module.
The radio is **ON** and the light on the Maestro is blinking **RED TWICE**.	Ensure the 4-pin data cable is connected between the radio and the RR, and that it is plugged into the black port on the Maestro RR. The red and blue ports on the RR should be empty. Make sure the correct radio model and serial number were entered during the flash. Verify the radio's serial number entered during the flash matches what is listed on the radio screen. This can be found in the settings of the radio, listed as Device Id, Device Number, or Serial Number.
The light on the Maestro is blinking **RED TWICE** but radio **is NOT** turning on.	If installing a modular radio and it is not turning on, ensure the screen is secured and any trim pieces on the radio have been installed fully. Not installing these fully will prevent radio from powering up and show a 2x red error as well. Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.

TROUBLESHOOTING TABLE P2 /2

MAESTRO RR RESET PROCEDURE:

Turn the key to the OFF position, then disconnect all connectors from the module.
Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).
Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds to show the reset was successful.

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

IMPORTANT: To ensure proper operation, the aftermarket radio needs to have the latest firmware from the manufacturer. Please visit the radio manufacturer's website and look for any updates pertaining to your radio.

INSTALL GUIDE

2007-2008
CADILLAC ESCALADE EXT

RETAINS STEERING WHEEL CONTROLS, ONSTAR, BLUETOOTH, XM SATELLITE AND MORE!



PRODUCTS REQUIRED

iDatalink Maestro RR or RR2 Radio Replacement Interface
iDatalink Maestro HRR-GM5+ Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-GM05-DS

ADDITIONAL RESOURCES

Maestro RR2 Programmable Outputs Guide

OPTIONAL ACCESSORIES

K40 ELECTRONICS
ESCORT

Click here for:
Radar Installation Guides

ACC-SP1

HEAD UNIT ADAPTER:
ACC-HU-PIO1, SON1, KEN1, KEN2, ALP1

NOTICE: Automotive Data Solutions Inc. (ADS) recommends having this installation performed by a certified technician. Logos and trademarks used here in are the properties of their respective owners.

WELCOME

Congratulations on the purchase of your iDatalink Maestro RR Radio replacement solution. You are now a few simple steps away from enjoying your new car radio with enhanced features.

Before starting your installation, please ensure that your iDatalink Maestro module is programmed with the correct firmware for your vehicle and that you carefully review the install guide.

Please note that Maestro RR will only retain functionalities that were originally available in the vehicle.

TABLE OF CONTENTS

Before Installing	3
Installation Instructions	4
Wiring Diagram with an Amplifier	5
Wiring Diagram without an Amplifier	6
Radio Wire Reference Chart	7
Module Diagnostics	8
Troubleshooting Table	9

NEED HELP?

1 866 427-2999

maestro.support@idatalink.com

BEFORE INSTALLING P1 /1

STEP 1

DETERMINE IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

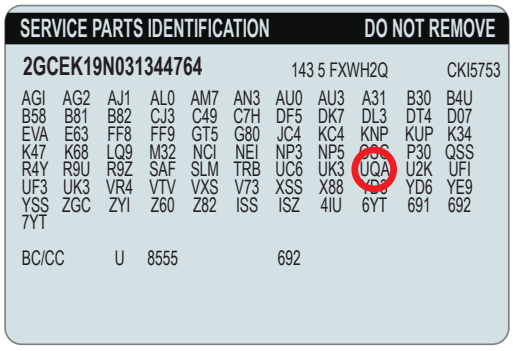
METHOD 1: Look for the following logos in the vehicle. They are usually on the speaker covers or on the radio unit. If you find any of the following logos Bose, Pioneer or Monsoon, you have a factory amplifier.

BOSE

Pioneer

MONSOON

METHOD 2: Look for the following sticker in the glove box. This sticker will indicate all the Regular Production Option (RPO) codes. If you find any of the following codes UQA, UQS or UQG, you have a factory amplifier.



STEP 2

IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **with an amplifier** and read the "**AMPLIFIER ONLY**" note to determine if you should use rca's or level matching circuits.

IF YOUR VEHICLE NOT IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **without an amplifier**.

Automotive Data Solutions Inc. © 2023

INSTALLATION INSTRUCTIONS P1/1

STEP 1

Remove the factory radio

If using head unit adapter (sold separately), connect HRR-GM5+ harness to adapter and skip to step 2.

- Unbox the aftermarket radio and locate its main harness.
- Cut and remove the black 20 pin connector from the HRR-GM5+ T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the HRR-GM5+ T-harness and match the wire functions.

  Note: only connect purple/white wire to radio reverse input or module damage will occur.

STEP 2

- Connect the factory harness to the HRR-GM5+ T-harness.
- Without AMP: Ensure that the WHITE 8 pin plugs are connected.
- With AMP: Connect the HRR-GM5+ 8 pin WHITE connectors to the AMP adapter.

STEP 3

- Connect HRR-GM5+ 2-pin black connector to black connector of OBDII extension harness.
- Plug the OBDII connector into the OBDII of the vehicle, under driver dash.

STEP 4

- Plug the harnesses into the aftermarket radio.
- Connect the backup camera RCA cable into the aftermarket radio.
- With AMP: Connect the Center and SUB RCA cables.
- Plug the Data cable to the data port of the aftermarket radio.
- Insert the Audio cable into the iDatalink 3.5 mm audio jack of the aftermarket radio (if there is no iDatalink audio input, connect to AUX).

  Note: On Pioneer radio, ensure that there is nothing plugged into the W/R port.

STEP 5

- Connect the ACC-SP1 speaker to Maestro module.
- Connect all the harnesses to the Maestro RR module then test your installation.

OnStar or warning chime adjust (Audio in vehicle speakers):

- Turn ignition (IGN) on
- Open driver's door

Select to adjust:

OnStar level - Press OnStar button.

Warning chime level - turn headlight switch to parking light position (not AUTO).

- Adjust volume using steering wheel volume up/down OR dimmer switch. If using dimmer switch, ensure headlight switch is NOT set to AUTO.

OnStar, turn signal, or warning chime adjust (Audio in GM5+ speaker):

- Find "OEM setup" menu in radio settings.

Under "Vehicle Features", select to adjust:

Onstar Volume - Level from 0-9

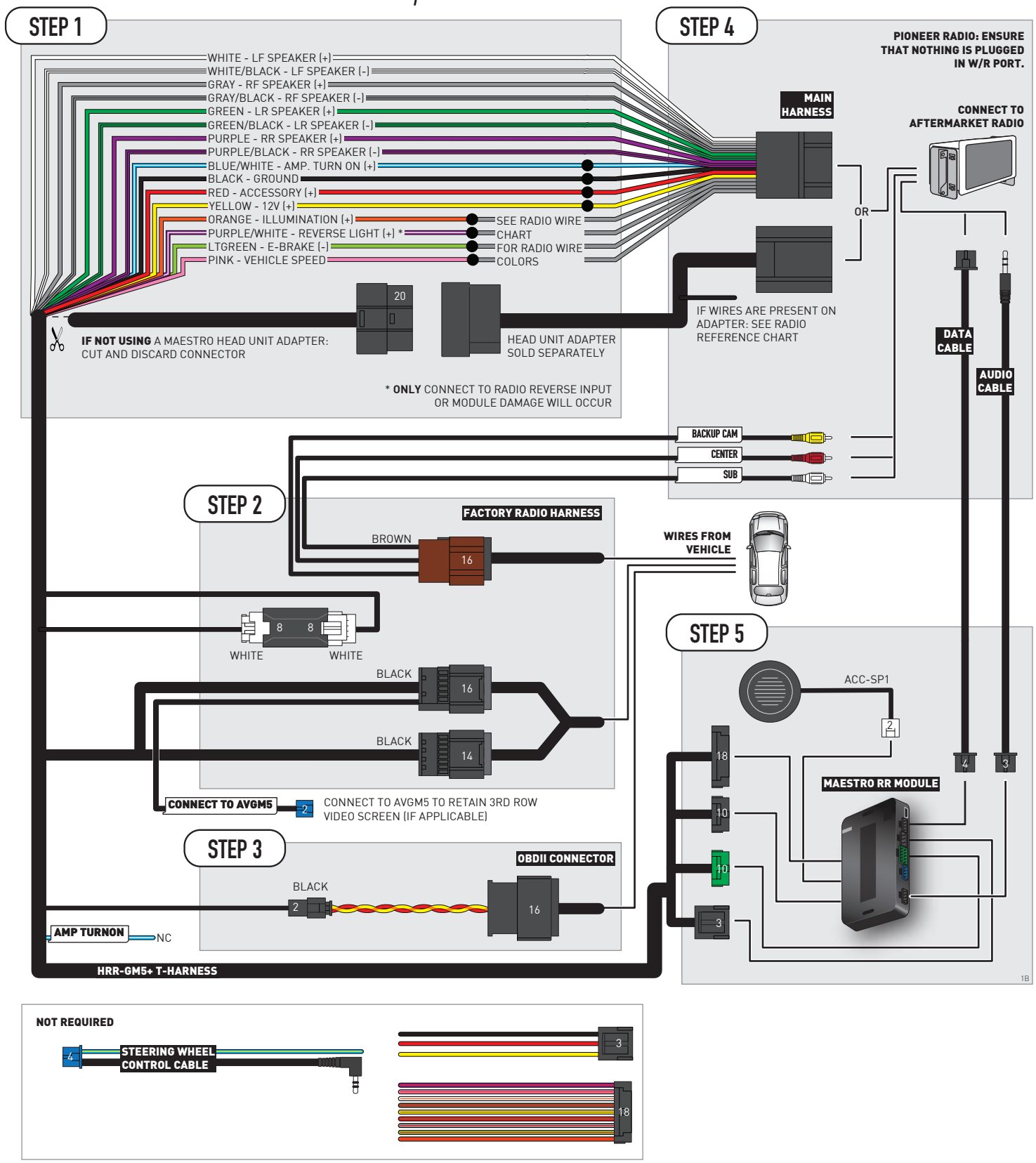
Chime Volume - Level from 0-9

Turn Signal Volume - 1-10

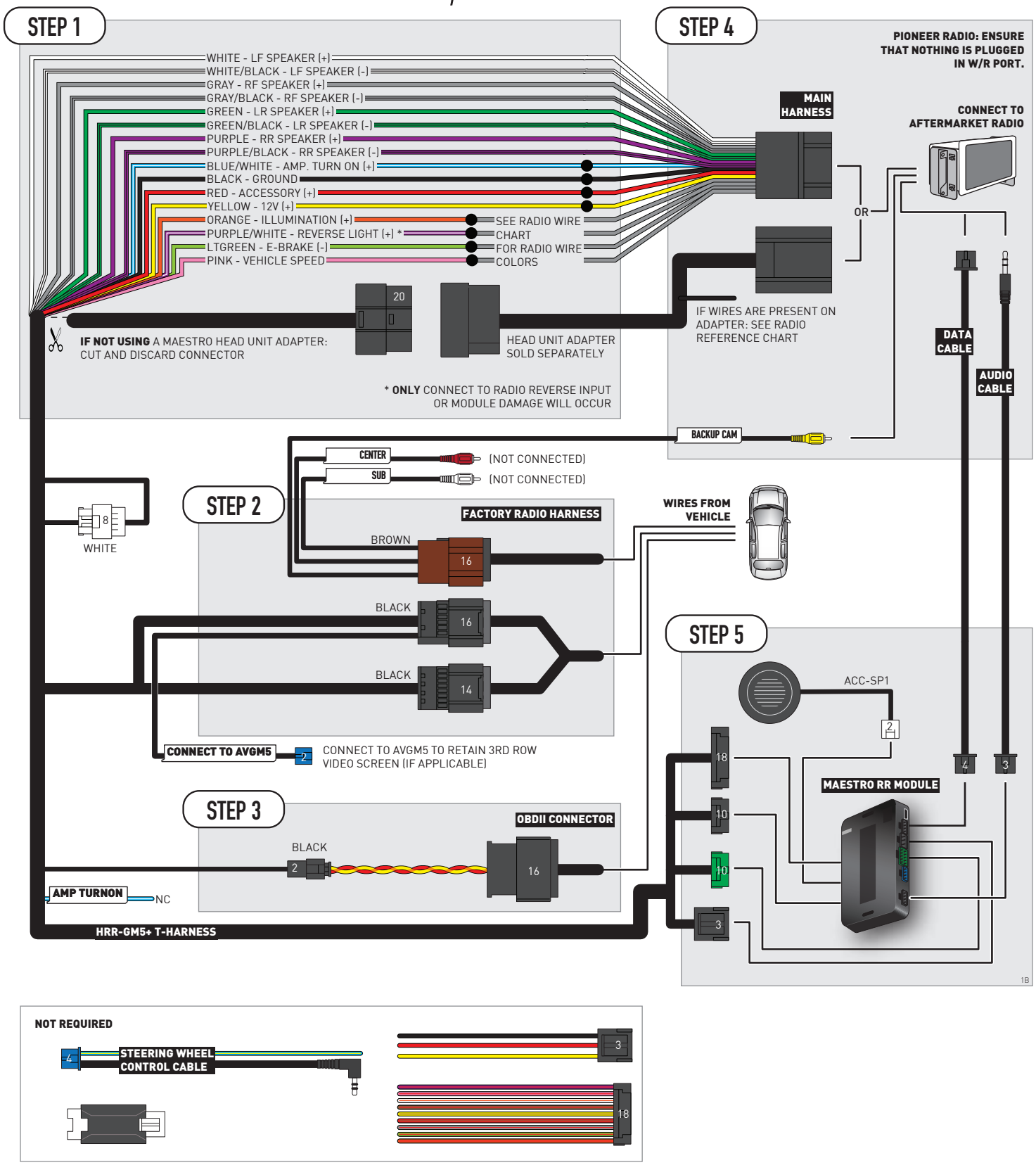
Turn Signal Reminder - Select "Click in speaker" for normal signal sounds. Select "Chime if left on" to only alert if turn signal is left on.

1

WIRING DIAGRAM *with an Amplifier*



WIRING DIAGRAM *without an Amplifier*



RADIO WIRE REFERENCE CHART

GM5+ (GM2) T-harness Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/ JVC cable	Wire Color on Pioneer cable	Wire Color on Sony cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light*	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A
Power Antenna	(+)	Blue	Blue	Blue	Blue/White	Blue or Blue/White

Head unit adapter wiring (optional accessory, sold separately)

ACC-HU-ALP1 Wire Description	Polarity	Wire Color on Adapter	Alpine Radio
VSS (vehicle speed sensor)	(DATA)	Green/White	Green/White

ACC-HU-KEN1 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
CAM	(+)	Green/Red	Refer to camera/radio manual
CAM	(-)	Green/White	Refer to camera/radio manual
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

ACC-HU-KEN2 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
E-Brake	(-)	LtGreen	LtGreen
Reverse Light*	(+)	Purple/White	Purple/White
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

* Reverse light wire: Only connect to radio or module damage will occur.

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 (RR2) Bluetooth activity	LED STATUS	DIAGNOSTIC
● or ●		RED or GREEN flashing	LED flashes 1 or more times, either red or green, **when a steering wheel button is pressed** : normal operation.
●		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do NOT use DEMO MODE.
●		2 RED flashes	Problem detected. Consult troubleshooting table.
●		1 GREEN flash	After radio boots up : Normal operation.
	●	3 GREEN flashes	Bluetooth is activated. Turns off after one minute: Normal operation.
●	●	OFF	Normal operation (inactive).

VIDEO HELP		Installation, product information, vehicle specific videos.
VERIFY FLASH		Last flash information, steering control configuration, vehicle information.
WEBLINK		Software to program module.

TROUBLESHOOTING TABLE P1 /2

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure OBDII connector is securely attached to the OBD2 connector of the vehicle. If you hardwired connections at the OBDII, check connections at the OBDII connector. Make sure the **RED/BROWN** wire is on **PIN 6** and the **YELLOW/BROWN** wire is connected to **PIN 14** of the OBDII connector. Do not use T-Taps. Soldering or military splicing methods are recommended. If anything else is connected to the OBD2 or CAN wires of vehicle (programmer, throttle controller, insurance tracker, etc.) try unplugging it to see if gauges work. If gauges work without it installed, call tech support for options. Reset the RR.
No sound from Onstar or OEM Satellite (if equipped).	Make sure the audio cable is installed and inserted into the correct location on the radio.
Trying to use the OEM Satellite and get "Check Tuner" message.	In order to access the OEM Satellite you must go into the radio sources and look for the one that says "Satellite Radio". The SiriusXM source is not the same as the OEM Satellite source.
When listening to the OEM Satellite radio, the turn signals don't make the clicking noise, but they do in any other source.	This is normal. The audio for OEM Satellite radio and the turn signal clicks both come from the audio cable. The Maestro unit cannot process 2 different audio signals at the same time, so the OEM Satellite is priority.
There is no turn signal clicking noise.	Find OEM Setup in the radio settings. Under Vehicle Feature settings, look for Turn Signal Reminder. If it is set to "Chime If Left On", it will not click. If you wish to hear turn signal clicks, this setting must be set to "Click In Speaker".
No sound from the Bose system (If equipped).	Make sure the amplifier turn on wire (Blue/White) of the T-Harness is connected to the radio's amplifier turn on wire. When flashing the Maestro make sure that the Amplifier in OEM Systems to Retain is selected. Make sure the RCA's are connected to the radio or the speaker wires are connected depending on your installation method.
Vehicle had the Bose system and it was bypassed, now there are no chimes.	Remove the Maestro and reflash it, making sure you uncheck the Amplifier option in the OEM Systems section of the flash.
Audio is very quiet or very loud.	Non amplified vehicles: ensure the AMP adapter is NOT plugged in between the white 8 pin plugs. Amplified vehicles: ensure the AMP adapter IS plugged in between the white 8 pin plugs.
(Vehicle using a HRR-GM2 harness only) Backup camera is not working and displays a black screen on radio when in reverse.	Ensure the 2-pin yellow plug is connected as shown on the diagram.
The light on the Maestro is flashing **RED ONCE**.	There is no firmware on the module; flash the RR module.
The radio is **ON** and the light on the Maestro is blinking **RED TWICE**.	Ensure the 4-pin data cable is connected between the radio and the RR, and that it is plugged into the black port on the Maestro RR. The red and blue ports on the RR should be empty. Make sure the correct radio model and serial number were entered during the flash. Verify the radio's serial number entered during the flash matches what is listed on the radio screen. This can be found in the settings of the radio, listed as Device Id, Device Number, or Serial Number.
The light on the Maestro is blinking **RED TWICE** but radio **is NOT** turning on.	If installing a modular radio and it is not turning on, ensure the screen is secured and any trim pieces on the radio have been installed fully. Not installing these fully will prevent radio from powering up and show a 2x red error as well. Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.

TROUBLESHOOTING TABLE P2 /2

MAESTRO RR RESET PROCEDURE:

Turn the key to the OFF position, then disconnect all connectors from the module.
Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).
Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds to show the reset was successful.

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

IMPORTANT: To ensure proper operation, the aftermarket radio needs to have the latest firmware from the manufacturer. Please visit the radio manufacturer's website and look for any updates pertaining to your radio.

INSTALL GUIDE

2009-2014
CADILLAC ESCALADE EXT
WITH NAV

RETAINS STEERING WHEEL CONTROLS, ONSTAR, BLUETOOTH, XM SATELLITE AND MORE!



PRODUCTS REQUIRED

iDatalink Maestro RR or RR2 Radio Replacement Interface
iDatalink Maestro HRR-GM5+ Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-GM05-DS

ADDITIONAL RESOURCES

Maestro RR2 Programmable Outputs Guide

OPTIONAL ACCESSORIES

K40 ELECTRONICS
ESCORT

Click here for:
Radar Installation Guides

ACC-SP1

HEAD UNIT ADAPTER:
ACC-HU-PIO1, SON1, KEN1, KEN2, ALP1

NOTICE: Automotive Data Solutions Inc. (ADS) recommends having this installation performed by a certified technician. Logos and trademarks used here in are the properties of their respective owners.

WELCOME

Congratulations on the purchase of your iDatalink Maestro RR Radio replacement solution. You are now a few simple steps away from enjoying your new car radio with enhanced features.

Before starting your installation, please ensure that your iDatalink Maestro module is programmed with the correct firmware for your vehicle and that you carefully review the install guide.

Please note that Maestro RR will only retain functionalities that were originally available in the vehicle.

TABLE OF CONTENTS

Before Installing	3
Installation Instructions	4
Wiring Diagram with an Amplifier	5
Wiring Diagram without an Amplifier	6
Radio Wire Reference Chart	7
Module Diagnostics	8
Troubleshooting Table	9

NEED HELP?

1 866 427-2999

maestro.support@idatalink.com

BEFORE INSTALLING P1 /1

STEP 1

DETERMINE IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

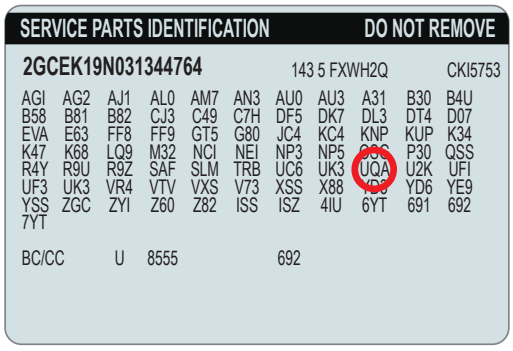
METHOD 1: Look for the following logos in the vehicle. They are usually on the speaker covers or on the radio unit. If you find any of the following logos Bose, Pioneer or Monsoon, you have a factory amplifier.

BOSE

Pioneer

MONSOON

METHOD 2: Look for the following sticker in the glove box. This sticker will indicate all the Regular Production Option (RPO) codes. If you find any of the following codes UQA, UQS or UQG, you have a factory amplifier.



STEP 2

IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **with an amplifier** and read the "**AMPLIFIER ONLY**" note to determine if you should use rca's or level matching circuits.

IF YOUR VEHICLE NOT IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **without an amplifier**.

Automotive Data Solutions Inc. © 2023

INSTALLATION INSTRUCTIONS P1/1

STEP 1

Remove the factory radio

If using head unit adapter (sold separately), connect HRR-GM5+ harness to adapter and skip to step 2.

- Unbox the aftermarket radio and locate its main harness.
- Cut and remove the black 20 pin connector from the HRR-GM5+ T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the HRR-GM5+ T-harness and match the wire functions.

  Note: only connect purple/white wire to radio reverse input or module damage will occur.

STEP 2

- Connect the factory harness to the HRR-GM5+ T-harness.
- Without AMP: Ensure that the WHITE 8 pin plugs are connected.
- With AMP: Connect the HRR-GM5+ 8 pin WHITE connectors to the AMP adapter.

STEP 3

- Connect HRR-GM5+ 2-pin black connector to black connector of OBDII extension harness.
- Plug the OBDII connector into the OBDII of the vehicle, under driver dash.

STEP 4

- Plug the harnesses into the aftermarket radio.
- Connect the backup camera RCA cable into the aftermarket radio.
- With AMP: Connect the Center and SUB RCA cables.
- Plug the Data cable to the data port of the aftermarket radio.
- Insert the Audio cable into the iDatalink 3.5 mm audio jack of the aftermarket radio (if there is no iDatalink audio input, connect to AUX).

  Note: On Pioneer radio, ensure that there is nothing plugged into the W/R port.

STEP 5

- Connect the ACC-SP1 speaker to Maestro module.
- Connect all the harnesses to the Maestro RR module then test your installation.

OnStar or warning chime adjust (Audio in vehicle speakers):

- Turn ignition (IGN) on
- Open driver's door

Select to adjust:

OnStar level - Press OnStar button.

Warning chime level - turn headlight switch to parking light position (not AUTO).

- Adjust volume using steering wheel volume up/down OR dimmer switch. If using dimmer switch, ensure headlight switch is NOT set to AUTO.

OnStar, turn signal, or warning chime adjust (Audio in GM5+ speaker):

- Find "OEM setup" menu in radio settings.

Under "Vehicle Features", select to adjust:

Onstar Volume - Level from 0-9

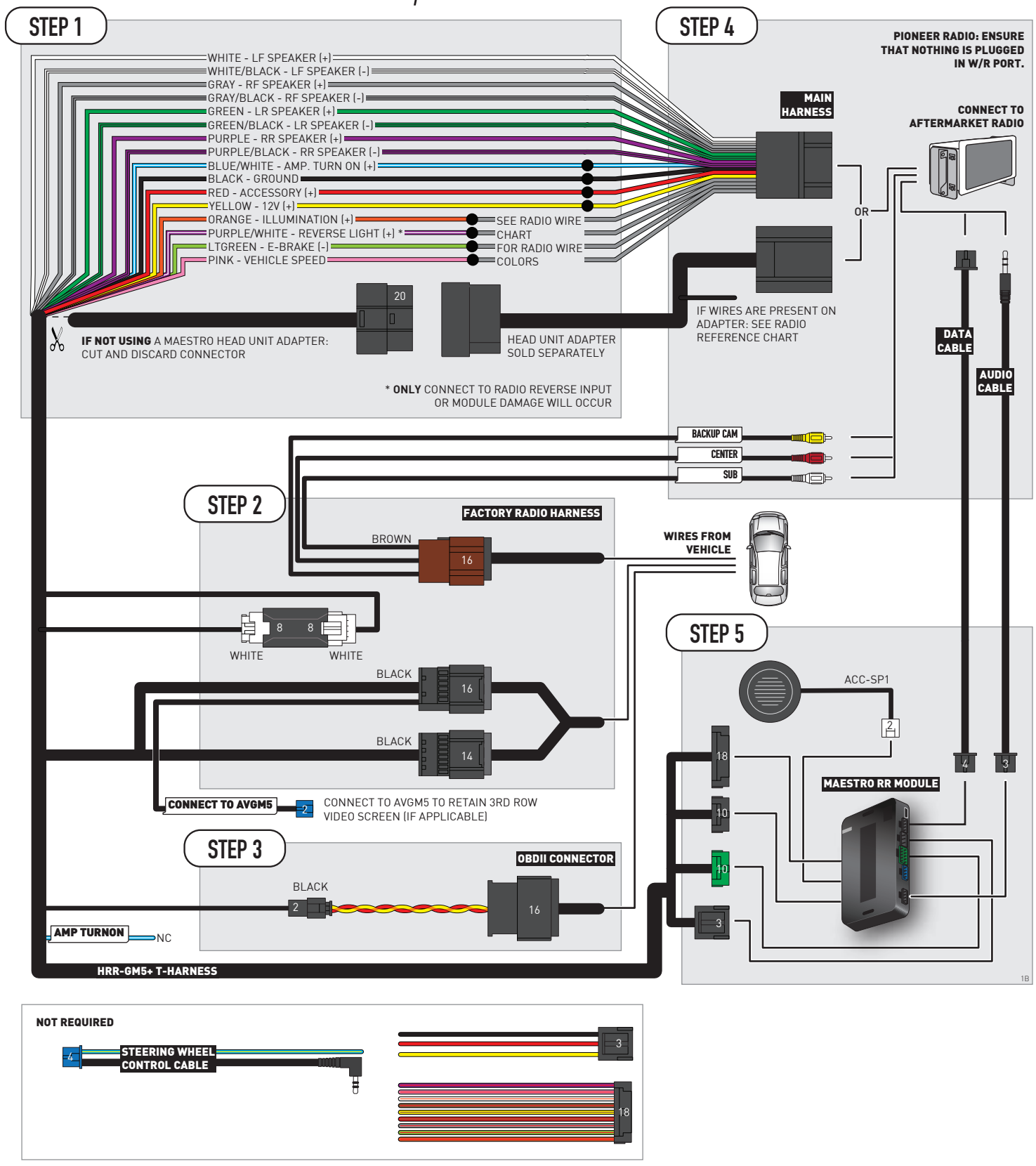
Chime Volume - Level from 0-9

Turn Signal Volume - 1-10

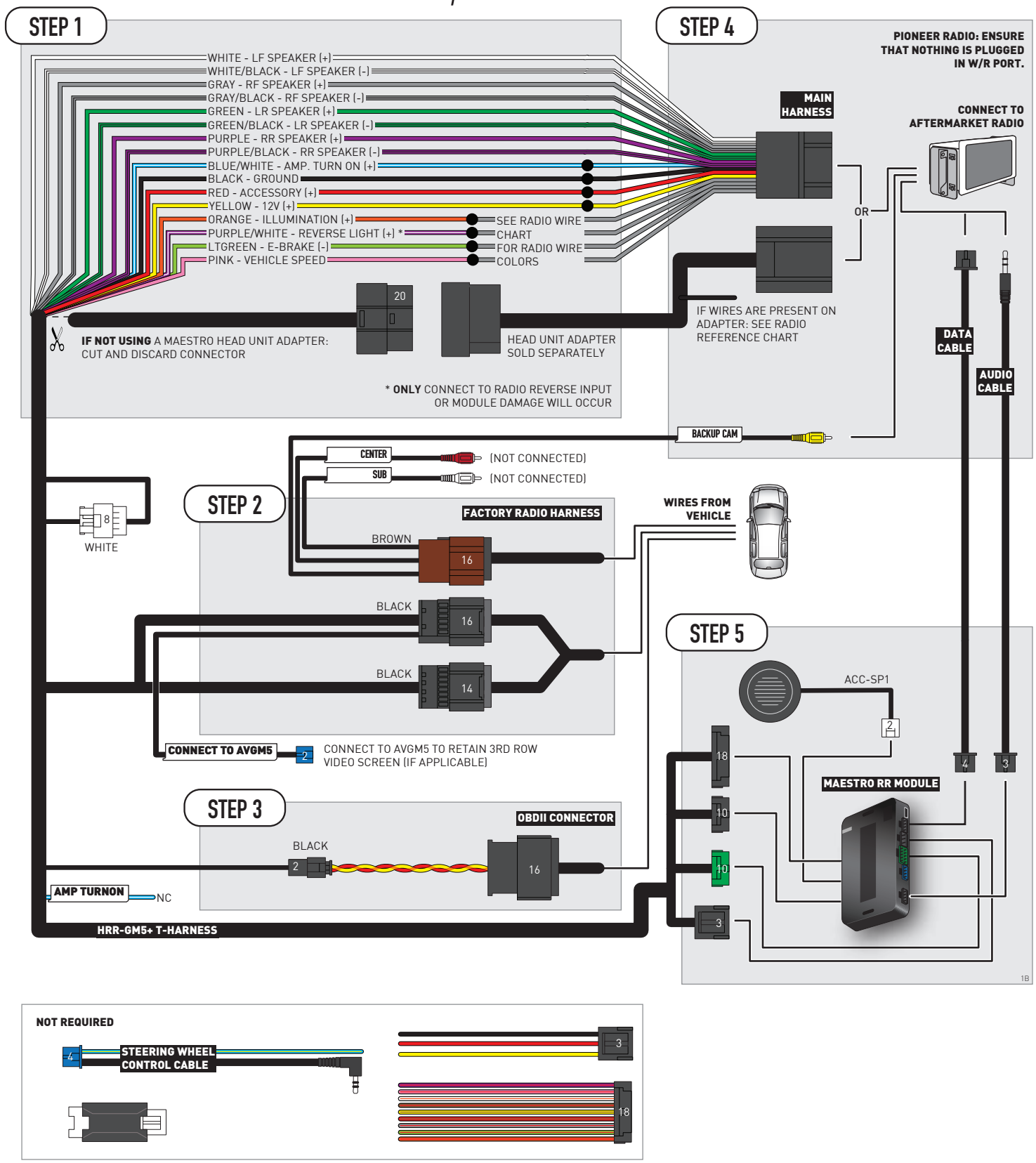
Turn Signal Reminder - Select "Click in speaker" for normal signal sounds. Select "Chime if left on" to only alert if turn signal is left on.

Automotive Data Solutions Inc. © 2023

WIRING DIAGRAM *with an Amplifier*



WIRING DIAGRAM *without an Amplifier*



RADIO WIRE REFERENCE CHART

GM5+ (GM2) T-harness Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/ JVC cable	Wire Color on Pioneer cable	Wire Color on Sony cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light*	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A
Power Antenna	(+)	Blue	Blue	Blue	Blue/White	Blue or Blue/White

Head unit adapter wiring (optional accessory, sold separately)

ACC-HU-ALP1 Wire Description	Polarity	Wire Color on Adapter	Alpine Radio
VSS (vehicle speed sensor)	(DATA)	Green/White	Green/White

ACC-HU-KEN1 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
CAM	(+)	Green/Red	Refer to camera/radio manual
CAM	(-)	Green/White	Refer to camera/radio manual
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

ACC-HU-KEN2 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
E-Brake	(-)	LtGreen	LtGreen
Reverse Light*	(+)	Purple/White	Purple/White
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

* Reverse light wire: Only connect to radio or module damage will occur.

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 (RR2) Bluetooth activity	LED STATUS	DIAGNOSTIC
● or ●		RED or GREEN flashing	LED flashes 1 or more times, either red or green, **when a steering wheel button is pressed** : normal operation.
●		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do NOT use DEMO MODE.
●		2 RED flashes	Problem detected. Consult troubleshooting table.
●		1 GREEN flash	After radio boots up : Normal operation.
	●	3 GREEN flashes	Bluetooth is activated. Turns off after one minute: Normal operation.
●	●	OFF	Normal operation (inactive).

VIDEO HELP		Installation, product information, vehicle specific videos.
VERIFY FLASH		Last flash information, steering control configuration, vehicle information.
WEBLINK		Software to program module.

TROUBLESHOOTING TABLE P1 /2

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure OBDII connector is securely attached to the OBD2 connector of the vehicle. If you hardwired connections at the OBDII, check connections at the OBDII connector. Make sure the **RED/BROWN** wire is on **PIN 6** and the **YELLOW/BROWN** wire is connected to **PIN 14** of the OBDII connector. Do not use T-Taps. Soldering or military splicing methods are recommended. If anything else is connected to the OBD2 or CAN wires of vehicle (programmer, throttle controller, insurance tracker, etc.) try unplugging it to see if gauges work. If gauges work without it installed, call tech support for options. Reset the RR.
No sound from Onstar or OEM Satellite (if equipped).	Make sure the audio cable is installed and inserted into the correct location on the radio.
Trying to use the OEM Satellite and get "Check Tuner" message.	In order to access the OEM Satellite you must go into the radio sources and look for the one that says "Satellite Radio". The SiriusXM source is not the same as the OEM Satellite source.
When listening to the OEM Satellite radio, the turn signals don't make the clicking noise, but they do in any other source.	This is normal. The audio for OEM Satellite radio and the turn signal clicks both come from the audio cable. The Maestro unit cannot process 2 different audio signals at the same time, so the OEM Satellite is priority.
There is no turn signal clicking noise.	Find OEM Setup in the radio settings. Under Vehicle Feature settings, look for Turn Signal Reminder. If it is set to "Chime If Left On", it will not click. If you wish to hear turn signal clicks, this setting must be set to "Click In Speaker".
No sound from the Bose system (If equipped).	Make sure the amplifier turn on wire (Blue/White) of the T-Harness is connected to the radio's amplifier turn on wire. When flashing the Maestro make sure that the Amplifier in OEM Systems to Retain is selected. Make sure the RCA's are connected to the radio or the speaker wires are connected depending on your installation method.
Vehicle had the Bose system and it was bypassed, now there are no chimes.	Remove the Maestro and reflash it, making sure you uncheck the Amplifier option in the OEM Systems section of the flash.
Audio is very quiet or very loud.	Non amplified vehicles: ensure the AMP adapter is NOT plugged in between the white 8 pin plugs. Amplified vehicles: ensure the AMP adapter IS plugged in between the white 8 pin plugs.
(Vehicle using a HRR-GM2 harness only) Backup camera is not working and displays a black screen on radio when in reverse.	Ensure the 2-pin yellow plug is connected as shown on the diagram.
The light on the Maestro is flashing **RED ONCE**.	There is no firmware on the module; flash the RR module.
The radio is **ON** and the light on the Maestro is blinking **RED TWICE**.	Ensure the 4-pin data cable is connected between the radio and the RR, and that it is plugged into the black port on the Maestro RR. The red and blue ports on the RR should be empty. Make sure the correct radio model and serial number were entered during the flash. Verify the radio's serial number entered during the flash matches what is listed on the radio screen. This can be found in the settings of the radio, listed as Device Id, Device Number, or Serial Number.
The light on the Maestro is blinking **RED TWICE** but radio **is NOT** turning on.	If installing a modular radio and it is not turning on, ensure the screen is secured and any trim pieces on the radio have been installed fully. Not installing these fully will prevent radio from powering up and show a 2x red error as well. Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.

TROUBLESHOOTING TABLE P2 /2

MAESTRO RR RESET PROCEDURE:

Turn the key to the OFF position, then disconnect all connectors from the module.
Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).
Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds to show the reset was successful.

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

IMPORTANT: To ensure proper operation, the aftermarket radio needs to have the latest firmware from the manufacturer. Please visit the radio manufacturer's website and look for any updates pertaining to your radio.

INSTALL GUIDE

2009-2014
CADILLAC ESCALADE
WITH NAV

RETAINS STEERING WHEEL CONTROLS, ONSTAR, BLUETOOTH, XM SATELLITE AND MORE!



PRODUCTS REQUIRED

iDatalink Maestro RR or RR2 Radio Replacement Interface
iDatalink Maestro HRR-GM5+ Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-GM05-DS

ADDITIONAL RESOURCES

Maestro RR2 Programmable Outputs Guide

OPTIONAL ACCESSORIES

K40 ELECTRONICS
ESCORT

Click here for:
Radar Installation Guides

ACC-SP1

HEAD UNIT ADAPTER:
ACC-HU-PIO1, SON1, KEN1, KEN2, ALP1

NOTICE: Automotive Data Solutions Inc. (ADS) recommends having this installation performed by a certified technician. Logos and trademarks used here in are the properties of their respective owners.

WELCOME

Congratulations on the purchase of your iDatalink Maestro RR Radio replacement solution. You are now a few simple steps away from enjoying your new car radio with enhanced features.

Before starting your installation, please ensure that your iDatalink Maestro module is programmed with the correct firmware for your vehicle and that you carefully review the install guide.

Please note that Maestro RR will only retain functionalities that were originally available in the vehicle.

TABLE OF CONTENTS

Before Installing	3
Installation Instructions	4
Wiring Diagram with an Amplifier	5
Wiring Diagram without an Amplifier	6
Radio Wire Reference Chart	7
Module Diagnostics	8
Troubleshooting Table	9

NEED HELP?

1 866 427-2999

maestro.support@idatalink.com

BEFORE INSTALLING P1 /1

STEP 1

DETERMINE IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

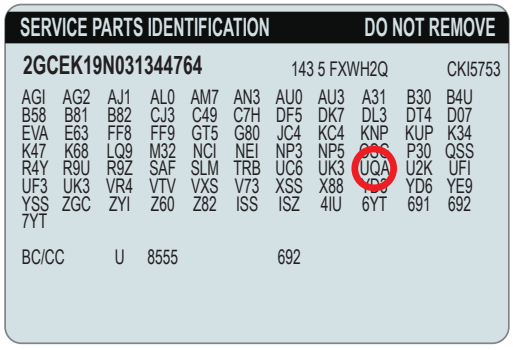
METHOD 1: Look for the following logos in the vehicle. They are usually on the speaker covers or on the radio unit. If you find any of the following logos Bose, Pioneer or Monsoon, you have a factory amplifier.

BOSE

Pioneer

MONSOON

METHOD 2: Look for the following sticker in the glove box. This sticker will indicate all the Regular Production Option (RPO) codes. If you find any of the following codes UQA, UQS or UQG, you have a factory amplifier.


SERVICE PARTS IDENTIFICATION DO NOT REMOVE

2GCEK19N031344764 143 5 FXWH2Q CKI5753

AGI	AG2	AJ1	AL0	AM7	AN3	AU0	AU3	A31	B30	B4U
B58	B81	B82	CJ3	C49	C7H	DF5	DK7	DL3	DT4	D07
EVA	E63	FF8	FF9	GT5	G80	JC4	KC4	KNP	KUP	K34
K47	K68	LQ9	M32	NCI	NEI	NP3	NP5	QQS	P30	QSS
R4Y	R9U	R9Z	SAF	SLM	TRB	UC6	UK3	UQA	U2K	UFI
UF3	UK3	VR4	VTV	VXS	V73	XSS	X88	YD5	YD6	YE9
YSS	ZGC	ZYI	Z60	Z82	ISS	ISZ	4IU	6YT	691	692
7YT										

BC/CC U 8555 692

STEP 2

IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **with an amplifier** and read the "**AMPLIFIER ONLY**" note to determine if you should use rca's or level matching circuits.

IF YOUR VEHICLE NOT IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **without an amplifier**.

Automotive Data Solutions Inc. © 2023

INSTALLATION INSTRUCTIONS P1/1

STEP 1

Remove the factory radio

If using head unit adapter (sold separately), connect HRR-GM5+ harness to adapter and skip to step 2.

- Unbox the aftermarket radio and locate its main harness.
- Cut and remove the black 20 pin connector from the HRR-GM5+ T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the HRR-GM5+ T-harness and match the wire functions.

  Note: only connect purple/white wire to radio reverse input or module damage will occur.

STEP 2

- Connect the factory harness to the HRR-GM5+ T-harness.
- Without AMP: Ensure that the WHITE 8 pin plugs are connected.
- With AMP: Connect the HRR-GM5+ 8 pin WHITE connectors to the AMP adapter.

STEP 3

- Connect HRR-GM5+ 2-pin black connector to black connector of OBDII extension harness.
- Plug the OBDII connector into the OBDII of the vehicle, under driver dash.

STEP 4

- Plug the harnesses into the aftermarket radio.
- Connect the backup camera RCA cable into the aftermarket radio.
- With AMP: Connect the Center and SUB RCA cables.
- Plug the Data cable to the data port of the aftermarket radio.
- Insert the Audio cable into the iDatalink 3.5 mm audio jack of the aftermarket radio (if there is no iDatalink audio input, connect to AUX).

  Note: On Pioneer radio, ensure that there is nothing plugged into the W/R port.

STEP 5

- Connect the ACC-SP1 speaker to Maestro module.
- Connect all the harnesses to the Maestro RR module then test your installation.

OnStar or warning chime adjust (Audio in vehicle speakers):

- Turn ignition (IGN) on
- Open driver's door

Select to adjust:

OnStar level - Press OnStar button.

Warning chime level - turn headlight switch to parking light position (not AUTO).

- Adjust volume using steering wheel volume up/down OR dimmer switch. If using dimmer switch, ensure headlight switch is NOT set to AUTO.

OnStar, turn signal, or warning chime adjust (Audio in GM5+ speaker):

- Find "OEM setup" menu in radio settings.

Under "Vehicle Features", select to adjust:

Onstar Volume - Level from 0-9

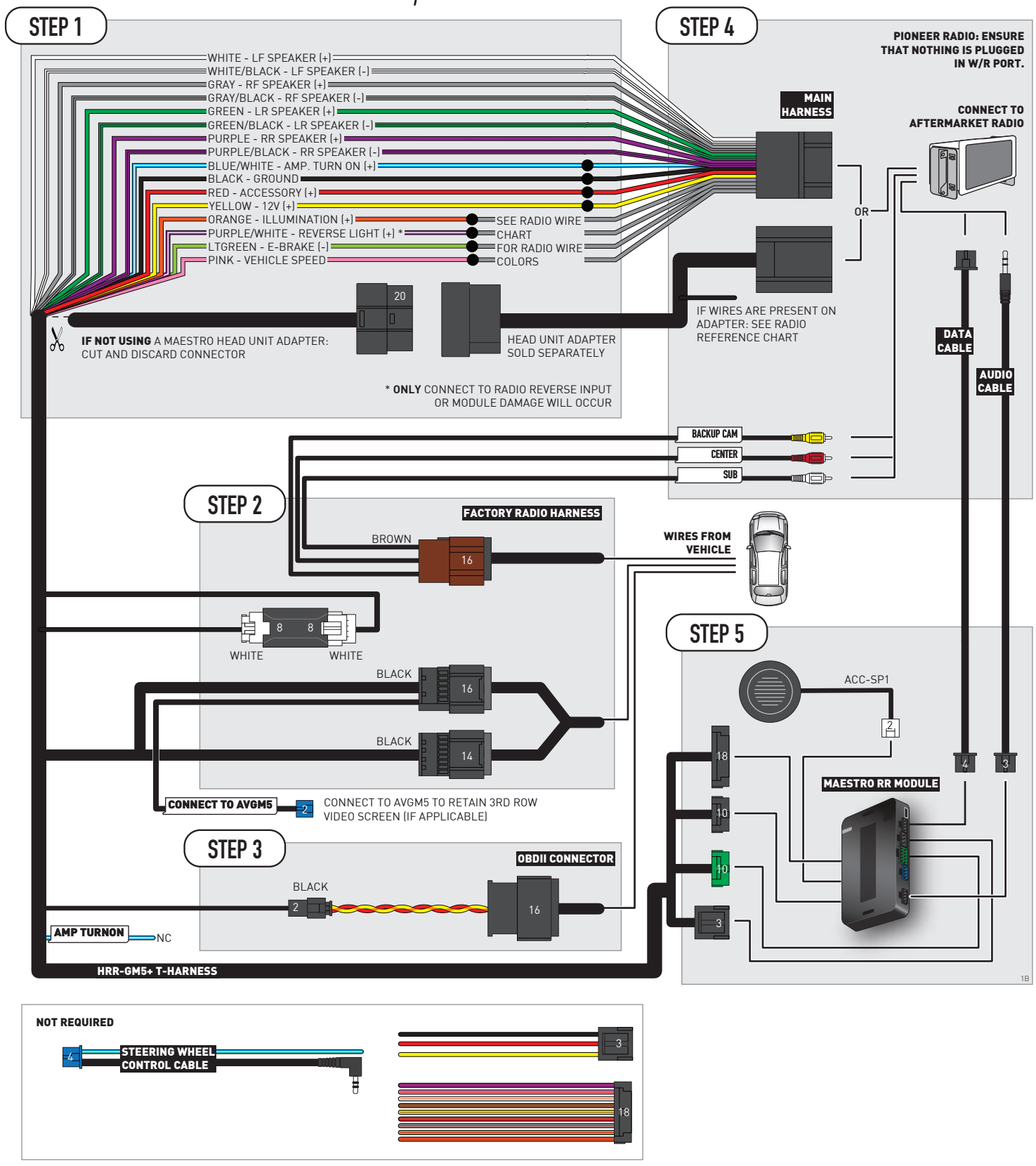
Chime Volume - Level from 0-9

Turn Signal Volume - 1-10

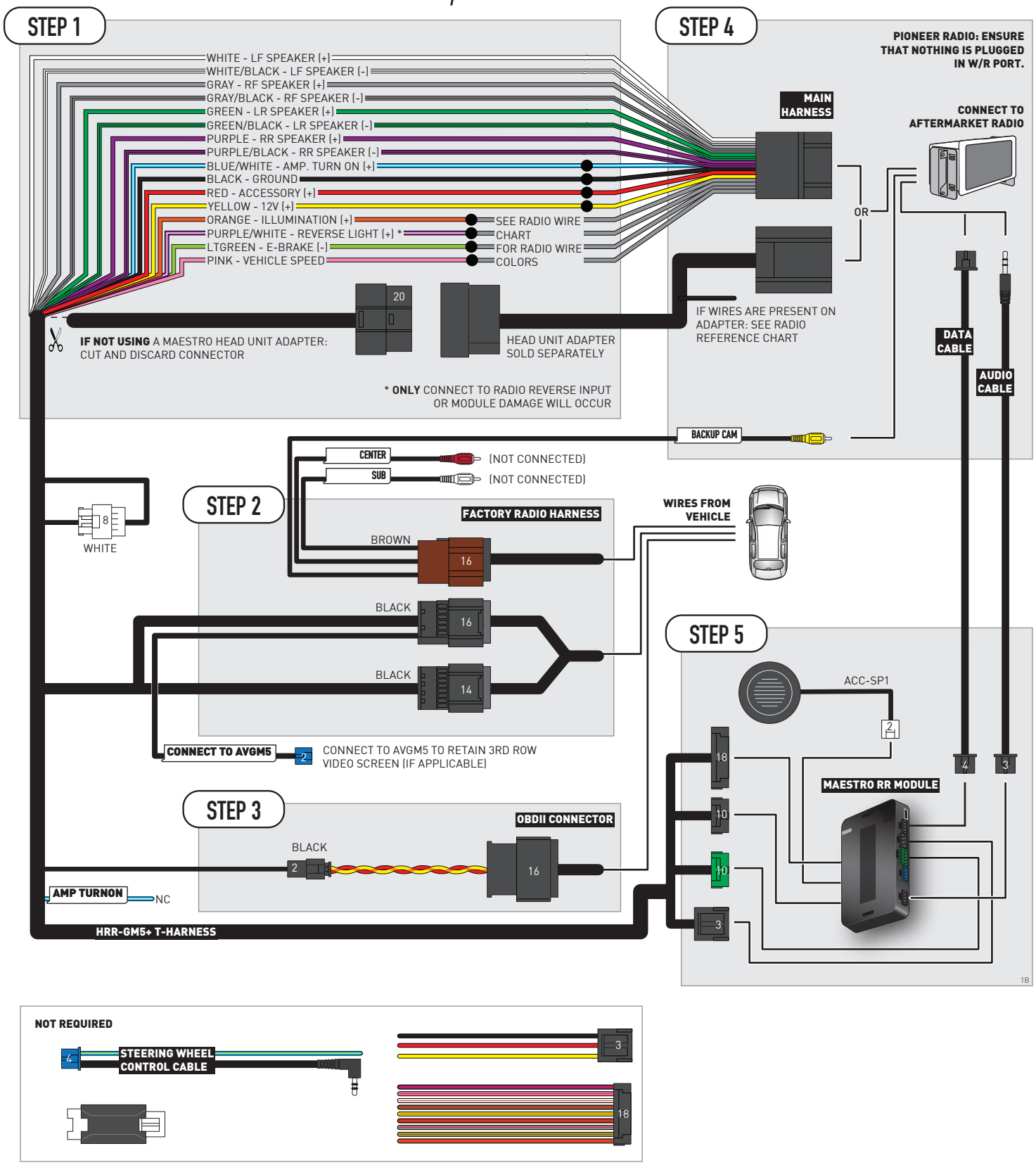
Turn Signal Reminder - Select "Click in speaker" for normal signal sounds. Select "Chime if left on" to only alert if turn signal is left on.

1

WIRING DIAGRAM *with an Amplifier*



WIRING DIAGRAM *without an Amplifier*



RADIO WIRE REFERENCE CHART

GM5+ (GM2) T-harness Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/ JVC cable	Wire Color on Pioneer cable	Wire Color on Sony cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light*	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A
Power Antenna	(+)	Blue	Blue	Blue	Blue/White	Blue or Blue/White

Head unit adapter wiring (optional accessory, sold separately)

ACC-HU-ALP1 Wire Description	Polarity	Wire Color on Adapter	Alpine Radio
VSS (vehicle speed sensor)	(DATA)	Green/White	Green/White

ACC-HU-KEN1 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
CAM	(+)	Green/Red	Refer to camera/radio manual
CAM	(-)	Green/White	Refer to camera/radio manual
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

ACC-HU-KEN2 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
E-Brake	(-)	LtGreen	LtGreen
Reverse Light*	(+)	Purple/White	Purple/White
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

* Reverse light wire: Only connect to radio or module damage will occur.

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 (RR2) Bluetooth activity	LED STATUS	DIAGNOSTIC
● or ●		RED or GREEN flashing	LED flashes 1 or more times, either red or green, **when a steering wheel button is pressed** : normal operation.
●		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do NOT use DEMO MODE.
●		2 RED flashes	Problem detected. Consult troubleshooting table.
●		1 GREEN flash	After radio boots up : Normal operation.
	●	3 GREEN flashes	Bluetooth is activated. Turns off after one minute: Normal operation.
●	●	OFF	Normal operation (inactive).

VIDEO HELP		Installation, product information, vehicle specific videos.
VERIFY FLASH		Last flash information, steering control configuration, vehicle information.
WEBLINK		Software to program module.

TROUBLESHOOTING TABLE P1 /2

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure OBDII connector is securely attached to the OBD2 connector of the vehicle. If you hardwired connections at the OBDII, check connections at the OBDII connector. Make sure the **RED/BROWN** wire is on **PIN 6** and the **YELLOW/BROWN** wire is connected to **PIN 14** of the OBDII connector. Do not use T-Taps. Soldering or military splicing methods are recommended. If anything else is connected to the OBD2 or CAN wires of vehicle (programmer, throttle controller, insurance tracker, etc.) try unplugging it to see if gauges work. If gauges work without it installed, call tech support for options. Reset the RR.
No sound from Onstar or OEM Satellite (if equipped).	Make sure the audio cable is installed and inserted into the correct location on the radio.
Trying to use the OEM Satellite and get "Check Tuner" message.	In order to access the OEM Satellite you must go into the radio sources and look for the one that says "Satellite Radio". The SiriusXM source is not the same as the OEM Satellite source.
When listening to the OEM Satellite radio, the turn signals don't make the clicking noise, but they do in any other source.	This is normal. The audio for OEM Satellite radio and the turn signal clicks both come from the audio cable. The Maestro unit cannot process 2 different audio signals at the same time, so the OEM Satellite is priority.
There is no turn signal clicking noise.	Find OEM Setup in the radio settings. Under Vehicle Feature settings, look for Turn Signal Reminder. If it is set to "Chime If Left On", it will not click. If you wish to hear turn signal clicks, this setting must be set to "Click In Speaker".
No sound from the Bose system (If equipped).	Make sure the amplifier turn on wire (Blue/White) of the T-Harness is connected to the radio's amplifier turn on wire. When flashing the Maestro make sure that the Amplifier in OEM Systems to Retain is selected. Make sure the RCA's are connected to the radio or the speaker wires are connected depending on your installation method.
Vehicle had the Bose system and it was bypassed, now there are no chimes.	Remove the Maestro and reflash it, making sure you uncheck the Amplifier option in the OEM Systems section of the flash.
Audio is very quiet or very loud.	Non amplified vehicles: ensure the AMP adapter is NOT plugged in between the white 8 pin plugs. Amplified vehicles: ensure the AMP adapter IS plugged in between the white 8 pin plugs.
(Vehicle using a HRR-GM2 harness only) Backup camera is not working and displays a black screen on radio when in reverse.	Ensure the 2-pin yellow plug is connected as shown on the diagram.
The light on the Maestro is flashing **RED ONCE**.	There is no firmware on the module; flash the RR module.
The radio is **ON** and the light on the Maestro is blinking **RED TWICE**.	Ensure the 4-pin data cable is connected between the radio and the RR, and that it is plugged into the black port on the Maestro RR. The red and blue ports on the RR should be empty. Make sure the correct radio model and serial number were entered during the flash. Verify the radio's serial number entered during the flash matches what is listed on the radio screen. This can be found in the settings of the radio, listed as Device Id, Device Number, or Serial Number.
The light on the Maestro is blinking **RED TWICE** but radio **is NOT** turning on.	If installing a modular radio and it is not turning on, ensure the screen is secured and any trim pieces on the radio have been installed fully. Not installing these fully will prevent radio from powering up and show a 2x red error as well. Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.

TROUBLESHOOTING TABLE P2 /2

MAESTRO RR RESET PROCEDURE:

Turn the key to the OFF position, then disconnect all connectors from the module.
Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).
Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds to show the reset was successful.

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

IMPORTANT: To ensure proper operation, the aftermarket radio needs to have the latest firmware from the manufacturer. Please visit the radio manufacturer's website and look for any updates pertaining to your radio.

INSTALL GUIDE

2007-2009
CADILLAC SRX

RETAINS STEERING WHEEL CONTROLS, ONSTAR, BLUETOOTH, XM SATELLITE AND MORE!



PRODUCTS REQUIRED

iDatalink Maestro RR or RR2 Radio Replacement Interface
iDatalink Maestro HRR-GM5+ Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-GM05-DS

ADDITIONAL RESOURCES

Maestro RR2 Programmable Outputs Guide

OPTIONAL ACCESSORIES

K40 ELECTRONICS
ESCORT

Click here for:
Radar Installation Guides

ACC-SP1

HEAD UNIT ADAPTER:
ACC-HU-PIO1, SON1, KEN1, KEN2, ALP1

NOTICE: Automotive Data Solutions Inc. (ADS) recommends having this installation performed by a certified technician. Logos and trademarks used here in are the properties of their respective owners.

WELCOME

Congratulations on the purchase of your iDatalink Maestro RR Radio replacement solution. You are now a few simple steps away from enjoying your new car radio with enhanced features.

Before starting your installation, please ensure that your iDatalink Maestro module is programmed with the correct firmware for your vehicle and that you carefully review the install guide.

Please note that Maestro RR will only retain functionalities that were originally available in the vehicle.

TABLE OF CONTENTS

Before Installing	3
Installation Instructions	4
Wiring Diagram with an Amplifier	5
Wiring Diagram without an Amplifier	6
Radio Wire Reference Chart	7
Module Diagnostics	8
Troubleshooting Table	9

NEED HELP?

1 866 427-2999

maestro.support@idatalink.com

BEFORE INSTALLING P1 /1

STEP 1

DETERMINE IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

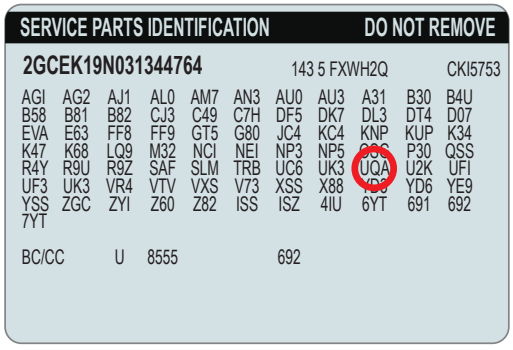
METHOD 1: Look for the following logos in the vehicle. They are usually on the speaker covers or on the radio unit. If you find any of the following logos Bose, Pioneer or Monsoon, you have a factory amplifier.

BOSE

Pioneer

MONSOON

METHOD 2: Look for the following sticker in the glove box. This sticker will indicate all the Regular Production Option (RPO) codes. If you find any of the following codes UQA, UQS or UQG, you have a factory amplifier.



STEP 2

IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **with an amplifier** and read the "**AMPLIFIER ONLY**" note to determine if you should use rca's or level matching circuits.

IF YOUR VEHICLE NOT IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **without an amplifier**.

Automotive Data Solutions Inc. © 2023

INSTALLATION INSTRUCTIONS P1/1

STEP 1

Remove the factory radio

If using head unit adapter (sold separately), connect HRR-GM5+ harness to adapter and skip to step 2.

- Unbox the aftermarket radio and locate its main harness.
- Cut and remove the black 20 pin connector from the HRR-GM5+ T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the HRR-GM5+ T-harness and match the wire functions.

  Note: only connect purple/white wire to radio reverse input or module damage will occur.

STEP 2

- Connect the factory harness to the HRR-GM5+ T-harness.
- Without AMP: Ensure that the WHITE 8 pin plugs are connected.
- With AMP: Connect the HRR-GM5+ 8 pin WHITE connectors to the AMP adapter.

STEP 3

- Connect HRR-GM5+ 2-pin black connector to black connector of OBDII extension harness.
- Plug the OBDII connector into the OBDII of the vehicle, under driver dash.

STEP 4

- Plug the harnesses into the aftermarket radio.
- Connect the backup camera RCA cable into the aftermarket radio.
- With AMP: Connect the Center and SUB RCA cables.
- Plug the Data cable to the data port of the aftermarket radio.
- Insert the Audio cable into the iDatalink 3.5 mm audio jack of the aftermarket radio (if there is no iDatalink audio input, connect to AUX).

  Note: On Pioneer radio, ensure that there is nothing plugged into the W/R port.

STEP 5

- Connect the ACC-SP1 speaker to Maestro module.
- Connect all the harnesses to the Maestro RR module then test your installation.

OnStar or warning chime adjust (Audio in vehicle speakers):

- Turn ignition (IGN) on
- Open driver's door

Select to adjust:

OnStar level - Press OnStar button.

Warning chime level - turn headlight switch to parking light position (not AUTO).

- Adjust volume using steering wheel volume up/down OR dimmer switch. If using dimmer switch, ensure headlight switch is NOT set to AUTO.

OnStar, turn signal, or warning chime adjust (Audio in GM5+ speaker):

- Find "OEM setup" menu in radio settings.

Under "Vehicle Features", select to adjust:

Onstar Volume - Level from 0-9

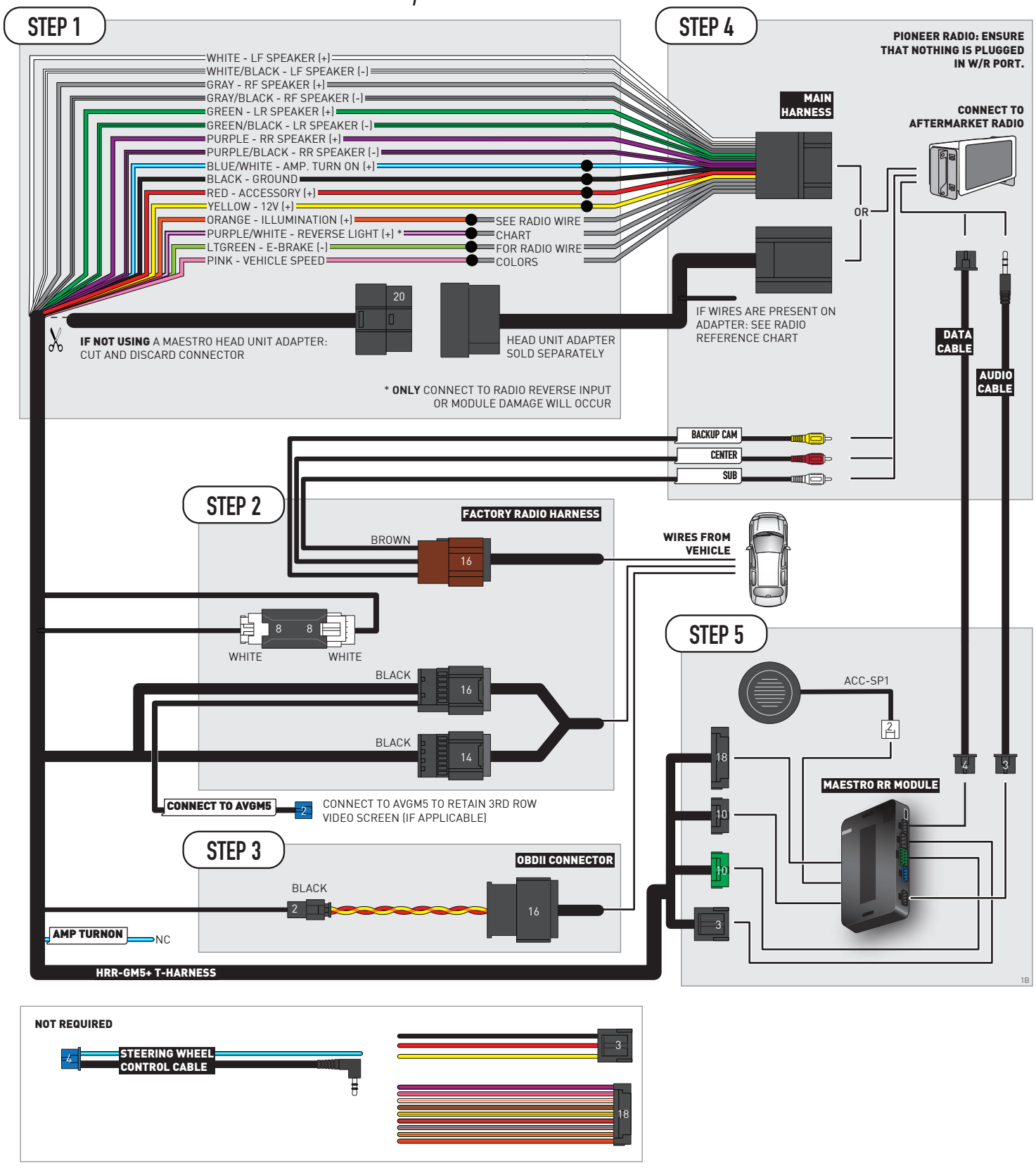
Chime Volume - Level from 0-9

Turn Signal Volume - 1-10

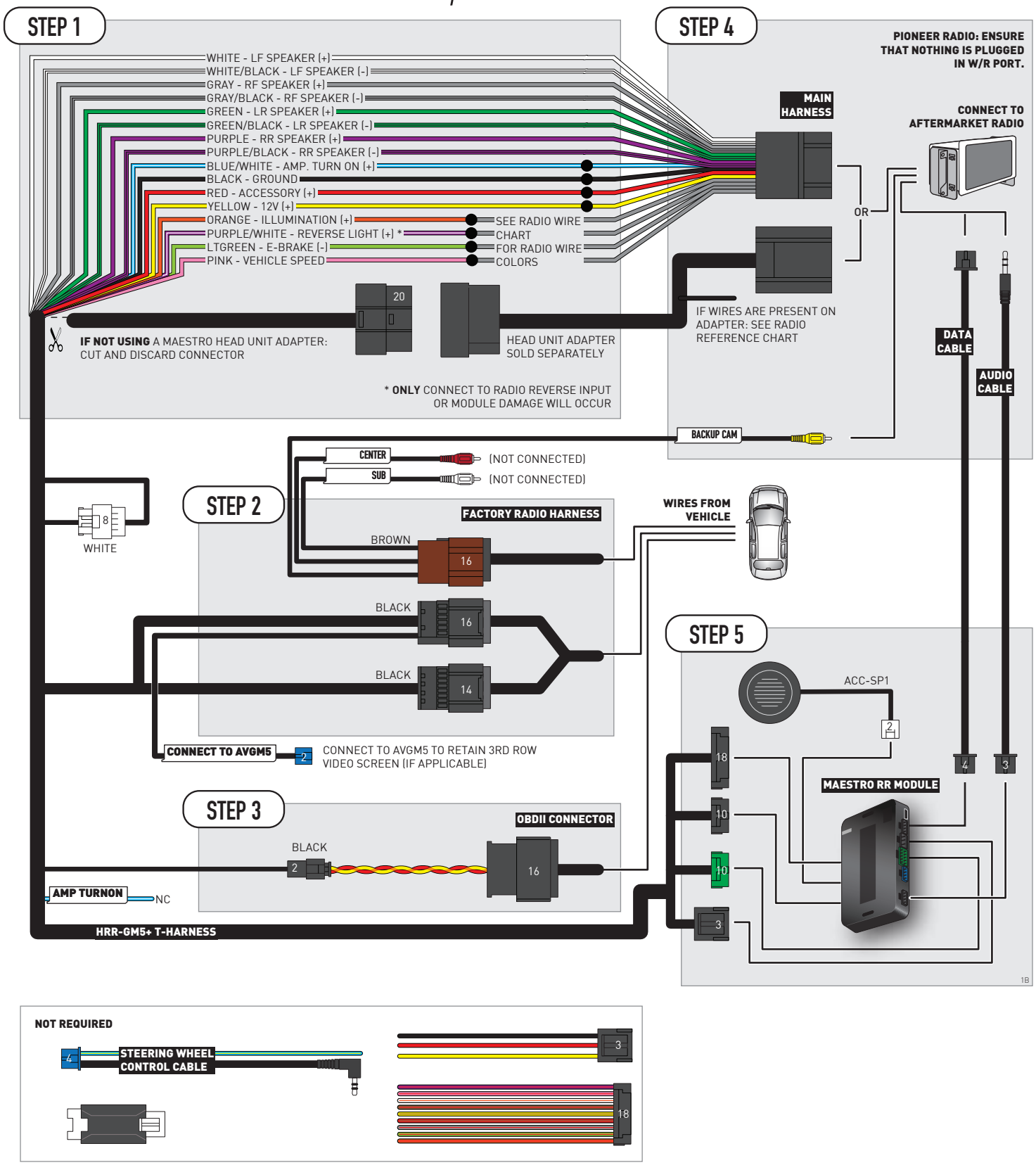
Turn Signal Reminder - Select "Click in speaker" for normal signal sounds. Select "Chime if left on" to only alert if turn signal is left on.

Automotive Data Solutions Inc. © 2023

WIRING DIAGRAM *with an Amplifier*



WIRING DIAGRAM *without an Amplifier*



RADIO WIRE REFERENCE CHART

GM5+ (GM2) T-harness Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/ JVC cable	Wire Color on Pioneer cable	Wire Color on Sony cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light*	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A
Power Antenna	(+)	Blue	Blue	Blue	Blue/White	Blue or Blue/White

Head unit adapter wiring (optional accessory, sold separately)

ACC-HU-ALP1 Wire Description	Polarity	Wire Color on Adapter	Alpine Radio
VSS (vehicle speed sensor)	(DATA)	Green/White	Green/White

ACC-HU-KEN1 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
CAM	(+)	Green/Red	Refer to camera/radio manual
CAM	(-)	Green/White	Refer to camera/radio manual
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

ACC-HU-KEN2 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
E-Brake	(-)	LtGreen	LtGreen
Reverse Light*	(+)	Purple/White	Purple/White
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

* Reverse light wire: Only connect to radio or module damage will occur.

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 (RR2) Bluetooth activity	LED STATUS	DIAGNOSTIC
● or ●		RED or GREEN flashing	LED flashes 1 or more times, either red or green, **when a steering wheel button is pressed** : normal operation.
●		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do NOT use DEMO MODE.
●		2 RED flashes	Problem detected. Consult troubleshooting table.
●		1 GREEN flash	After radio boots up : Normal operation.
	●	3 GREEN flashes	Bluetooth is activated. Turns off after one minute: Normal operation.
●	●	OFF	Normal operation (inactive).

VIDEO HELP		Installation, product information, vehicle specific videos.
VERIFY FLASH		Last flash information, steering control configuration, vehicle information.
WEBLINK		Software to program module.

TROUBLESHOOTING TABLE P1 /2

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure OBDII connector is securely attached to the OBD2 connector of the vehicle. If you hardwired connections at the OBDII, check connections at the OBDII connector. Make sure the **RED/BROWN** wire is on **PIN 6** and the **YELLOW/BROWN** wire is connected to **PIN 14** of the OBDII connector. Do not use T-Taps. Soldering or military splicing methods are recommended. If anything else is connected to the OBD2 or CAN wires of vehicle (programmer, throttle controller, insurance tracker, etc.) try unplugging it to see if gauges work. If gauges work without it installed, call tech support for options. Reset the RR.
No sound from Onstar or OEM Satellite (if equipped).	Make sure the audio cable is installed and inserted into the correct location on the radio.
Trying to use the OEM Satellite and get "Check Tuner" message.	In order to access the OEM Satellite you must go into the radio sources and look for the one that says "Satellite Radio". The SiriusXM source is not the same as the OEM Satellite source.
When listening to the OEM Satellite radio, the turn signals don't make the clicking noise, but they do in any other source.	This is normal. The audio for OEM Satellite radio and the turn signal clicks both come from the audio cable. The Maestro unit cannot process 2 different audio signals at the same time, so the OEM Satellite is priority.
There is no turn signal clicking noise.	Find OEM Setup in the radio settings. Under Vehicle Feature settings, look for Turn Signal Reminder. If it is set to "Chime If Left On", it will not click. If you wish to hear turn signal clicks, this setting must be set to "Click In Speaker".
No sound from the Bose system (If equipped).	Make sure the amplifier turn on wire (Blue/White) of the T-Harness is connected to the radio's amplifier turn on wire. When flashing the Maestro make sure that the Amplifier in OEM Systems to Retain is selected. Make sure the RCA's are connected to the radio or the speaker wires are connected depending on your installation method.
Vehicle had the Bose system and it was bypassed, now there are no chimes.	Remove the Maestro and reflash it, making sure you uncheck the Amplifier option in the OEM Systems section of the flash.
Audio is very quiet or very loud.	Non amplified vehicles: ensure the AMP adapter is NOT plugged in between the white 8 pin plugs. Amplified vehicles: ensure the AMP adapter IS plugged in between the white 8 pin plugs.
(Vehicle using a HRR-GM2 harness only) Backup camera is not working and displays a black screen on radio when in reverse.	Ensure the 2-pin yellow plug is connected as shown on the diagram.
The light on the Maestro is flashing **RED ONCE**.	There is no firmware on the module; flash the RR module.
The radio is **ON** and the light on the Maestro is blinking **RED TWICE**.	Ensure the 4-pin data cable is connected between the radio and the RR, and that it is plugged into the black port on the Maestro RR. The red and blue ports on the RR should be empty. Make sure the correct radio model and serial number were entered during the flash. Verify the radio's serial number entered during the flash matches what is listed on the radio screen. This can be found in the settings of the radio, listed as Device Id, Device Number, or Serial Number.
The light on the Maestro is blinking **RED TWICE** but radio **is NOT** turning on.	If installing a modular radio and it is not turning on, ensure the screen is secured and any trim pieces on the radio have been installed fully. Not installing these fully will prevent radio from powering up and show a 2x red error as well. Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.

TROUBLESHOOTING TABLE P2 /2

MAESTRO RR RESET PROCEDURE:

Turn the key to the OFF position, then disconnect all connectors from the module.
Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).
Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds to show the reset was successful.

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

IMPORTANT: To ensure proper operation, the aftermarket radio needs to have the latest firmware from the manufacturer. Please visit the radio manufacturer's website and look for any updates pertaining to your radio.

INSTALL GUIDE

2007-2011
CHEVROLET AVALANCHE

RETAINS STEERING WHEEL CONTROLS, ONSTAR, BLUETOOTH, XM SATELLITE AND MORE!



PRODUCTS REQUIRED

iDatalink Maestro RR or RR2 Radio Replacement Interface
iDatalink Maestro HRR-GM5+ Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-GM05-DS

ADDITIONAL RESOURCES

Maestro RR2 Programmable Outputs Guide

OPTIONAL ACCESSORIES

K40 ELECTRONICS
ESCORT

Click here for:
Radar Installation Guides

ACC-SP1

HEAD UNIT ADAPTER:
ACC-HU-PIO1, SON1, KEN1, KEN2, ALP1

NOTICE: Automotive Data Solutions Inc. (ADS) recommends having this installation performed by a certified technician. Logos and trademarks used here in are the properties of their respective owners.

WELCOME

Congratulations on the purchase of your iDatalink Maestro RR Radio replacement solution. You are now a few simple steps away from enjoying your new car radio with enhanced features.

Before starting your installation, please ensure that your iDatalink Maestro module is programmed with the correct firmware for your vehicle and that you carefully review the install guide.

Please note that Maestro RR will only retain functionalities that were originally available in the vehicle.

TABLE OF CONTENTS

Before Installing	3
Installation Instructions	4
Wiring Diagram with an Amplifier	5
Wiring Diagram without an Amplifier	6
Radio Wire Reference Chart	7
Module Diagnostics	8
Troubleshooting Table	9

NEED HELP?

1 866 427-2999

maestro.support@idatalink.com

BEFORE INSTALLING P1 /1

STEP 1

DETERMINE IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

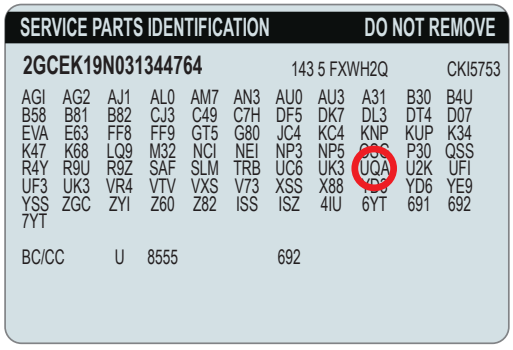
METHOD 1: Look for the following logos in the vehicle. They are usually on the speaker covers or on the radio unit. If you find any of the following logos Bose, Pioneer or Monsoon, you have a factory amplifier.

BOSE

Pioneer

MONSOON

METHOD 2: Look for the following sticker in the glove box. This sticker will indicate all the Regular Production Option (RPO) codes. If you find any of the following codes UQA, UQS or UQG, you have a factory amplifier.



STEP 2

IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **with an amplifier** and read the "**AMPLIFIER ONLY**" note to determine if you should use rca's or level matching circuits.

IF YOUR VEHICLE NOT IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **without an amplifier**.

Automotive Data Solutions Inc. © 2023

INSTALLATION INSTRUCTIONS P1/1

STEP 1

Remove the factory radio

If using head unit adapter (sold separately), connect HRR-GM5+ harness to adapter and skip to step 2.

- Unbox the aftermarket radio and locate its main harness.
- Cut and remove the black 20 pin connector from the HRR-GM5+ T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the HRR-GM5+ T-harness and match the wire functions.

  Note: only connect purple/white wire to radio reverse input or module damage will occur.

STEP 2

- Connect the factory harness to the HRR-GM5+ T-harness.
- Without AMP: Ensure that the WHITE 8 pin plugs are connected.
- With AMP: Connect the HRR-GM5+ 8 pin WHITE connectors to the AMP adapter.

STEP 3

- Connect HRR-GM5+ 2-pin black connector to black connector of OBDII extension harness.
- Plug the OBDII connector into the OBDII of the vehicle, under driver dash.

STEP 4

- Plug the harnesses into the aftermarket radio.
- Connect the backup camera RCA cable into the aftermarket radio.
- With AMP: Connect the Center and SUB RCA cables.
- Plug the Data cable to the data port of the aftermarket radio.
- Insert the Audio cable into the iDatalink 3.5 mm audio jack of the aftermarket radio (if there is no iDatalink audio input, connect to AUX).

  Note: On Pioneer radio, ensure that there is nothing plugged into the W/R port.

STEP 5

- Connect the ACC-SP1 speaker to Maestro module.
- Connect all the harnesses to the Maestro RR module then test your installation.

OnStar or warning chime adjust (Audio in vehicle speakers):

- Turn ignition (IGN) on
- Open driver's door

Select to adjust:

OnStar level - Press OnStar button.

Warning chime level - turn headlight switch to parking light position (not AUTO).

- Adjust volume using steering wheel volume up/down OR dimmer switch. If using dimmer switch, ensure headlight switch is NOT set to AUTO.

OnStar, turn signal, or warning chime adjust (Audio in GM5+ speaker):

- Find "OEM setup" menu in radio settings.

Under "Vehicle Features", select to adjust:

Onstar Volume - Level from 0-9

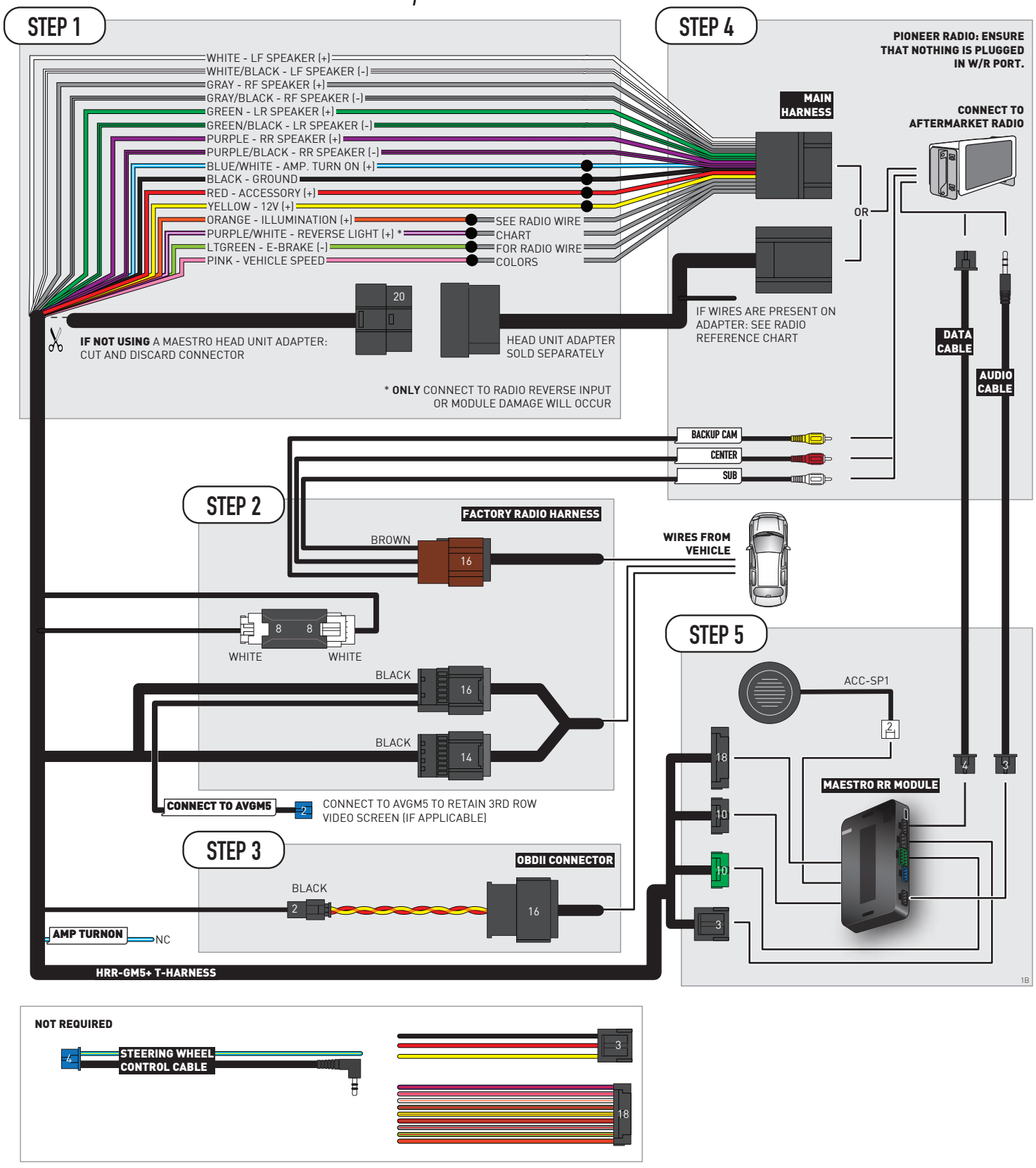
Chime Volume - Level from 0-9

Turn Signal Volume - 1-10

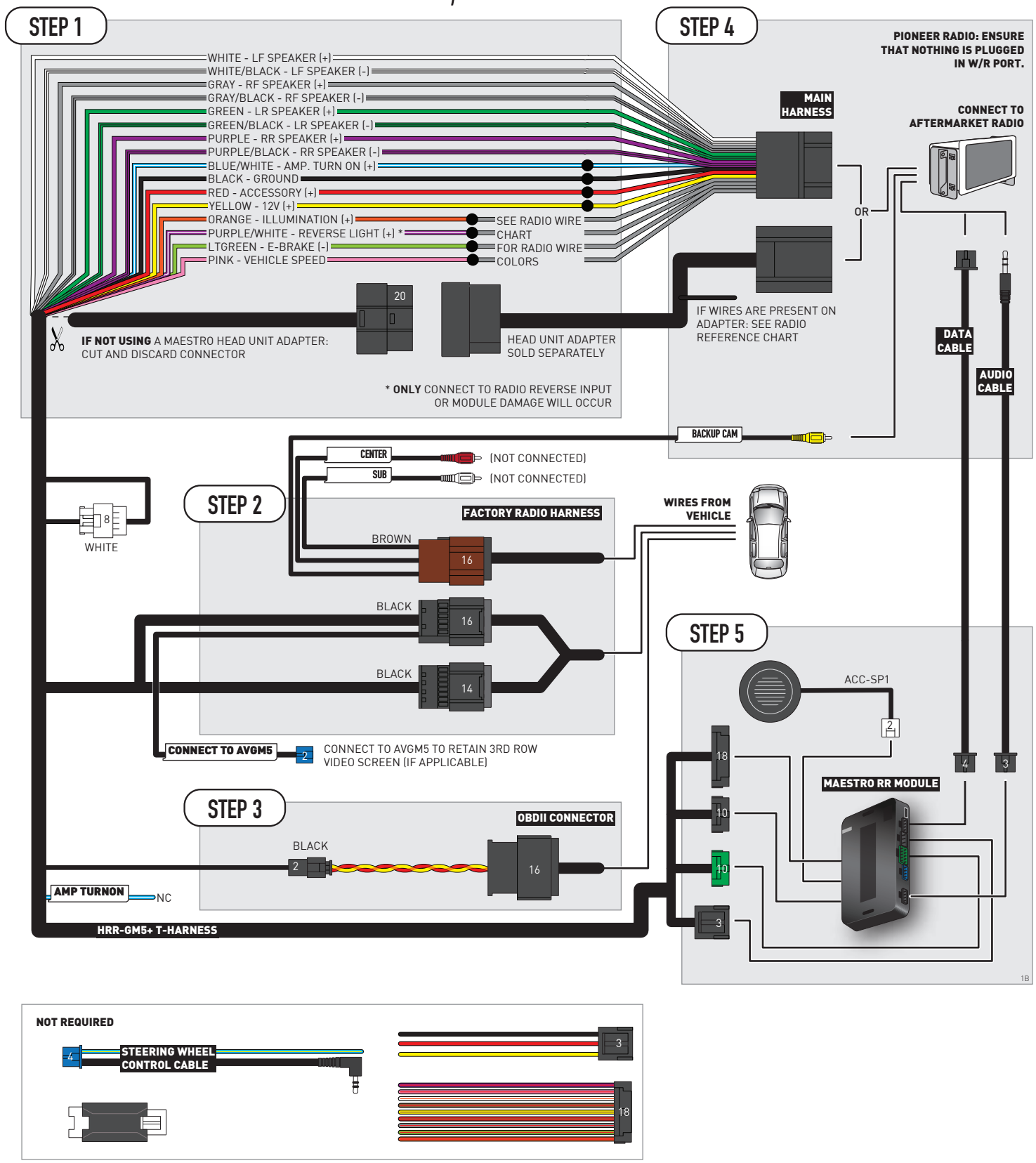
Turn Signal Reminder - Select "Click in speaker" for normal signal sounds. Select "Chime if left on" to only alert if turn signal is left on.

Automotive Data Solutions Inc. © 2023

WIRING DIAGRAM *with an Amplifier*



WIRING DIAGRAM *without an Amplifier*



RADIO WIRE REFERENCE CHART

GM5+ (GM2) T-harness Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/ JVC cable	Wire Color on Pioneer cable	Wire Color on Sony cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light*	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A
Power Antenna	(+)	Blue	Blue	Blue	Blue/White	Blue or Blue/White

Head unit adapter wiring (optional accessory, sold separately)

ACC-HU-ALP1 Wire Description	Polarity	Wire Color on Adapter	Alpine Radio
VSS (vehicle speed sensor)	(DATA)	Green/White	Green/White

ACC-HU-KEN1 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
CAM	(+)	Green/Red	Refer to camera/radio manual
CAM	(-)	Green/White	Refer to camera/radio manual
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

ACC-HU-KEN2 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
E-Brake	(-)	LtGreen	LtGreen
Reverse Light*	(+)	Purple/White	Purple/White
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

* Reverse light wire: Only connect to radio or module damage will occur.

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 (RR2) Bluetooth activity	LED STATUS	DIAGNOSTIC
● or ●		RED or GREEN flashing	LED flashes 1 or more times, either red or green, **when a steering wheel button is pressed** : normal operation.
●		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do NOT use DEMO MODE.
●		2 RED flashes	Problem detected. Consult troubleshooting table.
●		1 GREEN flash	After radio boots up : Normal operation.
	●	3 GREEN flashes	Bluetooth is activated. Turns off after one minute: Normal operation.
●	●	OFF	Normal operation (inactive).

VIDEO HELP		Installation, product information, vehicle specific videos.
VERIFY FLASH		Last flash information, steering control configuration, vehicle information.
WEBLINK		Software to program module.

TROUBLESHOOTING TABLE P1 /2

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure OBDII connector is securely attached to the OBD2 connector of the vehicle. If you hardwired connections at the OBDII, check connections at the OBDII connector. Make sure the **RED/BROWN** wire is on **PIN 6** and the **YELLOW/BROWN** wire is connected to **PIN 14** of the OBDII connector. Do not use T-Taps. Soldering or military splicing methods are recommended. If anything else is connected to the OBD2 or CAN wires of vehicle (programmer, throttle controller, insurance tracker, etc.) try unplugging it to see if gauges work. If gauges work without it installed, call tech support for options. Reset the RR.
No sound from Onstar or OEM Satellite (if equipped).	Make sure the audio cable is installed and inserted into the correct location on the radio.
Trying to use the OEM Satellite and get "Check Tuner" message.	In order to access the OEM Satellite you must go into the radio sources and look for the one that says "Satellite Radio". The SiriusXM source is not the same as the OEM Satellite source.
When listening to the OEM Satellite radio, the turn signals don't make the clicking noise, but they do in any other source.	This is normal. The audio for OEM Satellite radio and the turn signal clicks both come from the audio cable. The Maestro unit cannot process 2 different audio signals at the same time, so the OEM Satellite is priority.
There is no turn signal clicking noise.	Find OEM Setup in the radio settings. Under Vehicle Feature settings, look for Turn Signal Reminder. If it is set to "Chime If Left On", it will not click. If you wish to hear turn signal clicks, this setting must be set to "Click In Speaker".
No sound from the Bose system (If equipped).	Make sure the amplifier turn on wire (Blue/White) of the T-Harness is connected to the radio's amplifier turn on wire. When flashing the Maestro make sure that the Amplifier in OEM Systems to Retain is selected. Make sure the RCA's are connected to the radio or the speaker wires are connected depending on your installation method.
Vehicle had the Bose system and it was bypassed, now there are no chimes.	Remove the Maestro and reflash it, making sure you uncheck the Amplifier option in the OEM Systems section of the flash.
Audio is very quiet or very loud.	Non amplified vehicles: ensure the AMP adapter is NOT plugged in between the white 8 pin plugs. Amplified vehicles: ensure the AMP adapter IS plugged in between the white 8 pin plugs.
(Vehicle using a HRR-GM2 harness only) Backup camera is not working and displays a black screen on radio when in reverse.	Ensure the 2-pin yellow plug is connected as shown on the diagram.
The light on the Maestro is flashing **RED ONCE**.	There is no firmware on the module; flash the RR module.
The radio is **ON** and the light on the Maestro is blinking **RED TWICE**.	Ensure the 4-pin data cable is connected between the radio and the RR, and that it is plugged into the black port on the Maestro RR. The red and blue ports on the RR should be empty. Make sure the correct radio model and serial number were entered during the flash. Verify the radio's serial number entered during the flash matches what is listed on the radio screen. This can be found in the settings of the radio, listed as Device Id, Device Number, or Serial Number.
The light on the Maestro is blinking **RED TWICE** but radio **is NOT** turning on.	If installing a modular radio and it is not turning on, ensure the screen is secured and any trim pieces on the radio have been installed fully. Not installing these fully will prevent radio from powering up and show a 2x red error as well. Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.

TROUBLESHOOTING TABLE P2 /2

MAESTRO RR RESET PROCEDURE:

Turn the key to the OFF position, then disconnect all connectors from the module.
Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).
Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds to show the reset was successful.

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

IMPORTANT: To ensure proper operation, the aftermarket radio needs to have the latest firmware from the manufacturer. Please visit the radio manufacturer's website and look for any updates pertaining to your radio.

INSTALL GUIDE

2012-2013
CHEVROLET AVALANCHE
WITH NAV

RETAINS STEERING WHEEL CONTROLS, ONSTAR, BLUETOOTH, XM SATELLITE AND MORE!



PRODUITS REQUIS
Interface de remplacement d'autoradio: iDatalink Maestro RR ou RR2
Câblage : iDatalink Maestro HRR-GM2

PROGRAMMED FIRMWARE
ADS-RR(SR)-GM05-DS

ADDITIONAL RESOURCES
Maestro RR2 Programmable Outputs Guide

OPTIONAL ACCESSORIES
K40 ELECTRONICS
ESCORT
ACC-SP1

Click here for:
Radar Installation Guides

HEAD UNIT ADAPTER:
ACC-HU-PIO1, SON1, KEN1, KEN2, ALP1

NOTICE: Automotive Data Solutions Inc. (ADS) recommends having this installation performed by a certified technician. Logos and trademarks used here in are the properties of their respective owners.

WELCOME

Congratulations on the purchase of your iDatalink Maestro RR Radio replacement solution. You are now a few simple steps away from enjoying your new car radio with enhanced features.

Before starting your installation, please ensure that your iDatalink Maestro module is programmed with the correct firmware for your vehicle and that you carefully review the install guide.

Please note that Maestro RR will only retain functionalities that were originally available in the vehicle.

TABLE OF CONTENTS

Before Installing	3
Installation Instructions	4
Wiring Diagram with an Amplifier	5
Wiring Diagram without an Amplifier	6
Radio Wire Reference Chart	7
Module Diagnostics	8
Troubleshooting Table	9

NEED HELP?

1 866 427-2999

maestro.support@idatalink.com

BEFORE INSTALLING P1 /1

STEP 1

DETERMINE IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

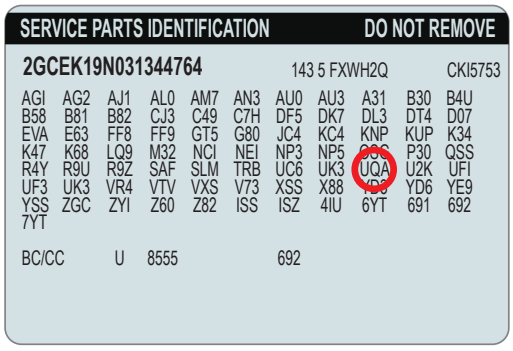
METHOD 1: Look for the following logos in the vehicle. They are usually on the speaker covers or on the radio unit. If you find any of the following logos Bose, Pioneer or Monsoon, you have a factory amplifier.

BOSE

Pioneer

MONSOON

METHOD 2: Look for the following sticker in the glove box. This sticker will indicate all the Regular Production Option (RPO) codes. If you find any of the following codes UQA, UQS or UQG, you have a factory amplifier.



STEP 2

IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **with an amplifier** and read the "**AMPLIFIER ONLY**" note to determine if you should use rca's or level matching circuits.

IF YOUR VEHICLE NOT IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **without an amplifier**.

Automotive Data Solutions Inc. © 2023

INSTALLATION INSTRUCTIONS P1/1

STEP 1

Remove the factory radio

If using head unit adapter (sold separately), connect HRR-GM2 harness to adapter and skip to step 2.

- Unbox the aftermarket radio and locate its main harness.
- Cut and remove the black 20 pin connector from the HRR-GM2 T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the HRR-GM2 T-harness and match the wire functions.

  Note: only connect purple/white wire to radio reverse input or module damage will occur.

STEP 2

- Connect the YELLOW 2 pin connector of the backup camera cable to the YELLOW connector (CAM 1) of the backup camera adapter. Connect GRAY connector of adapter to the vehicle backup camera harness.

STEP 3

- Connect the factory harness to the HRR-GM2 T-harness.
- Ensure that the RED 2 pin plugs are connected.
- Without AMP: Ensure that the WHITE 8 pin plugs are connected.
- With AMP: Connect the HRR-GM2 8 pin WHITE connectors to the AMP adapter.

STEP 4

- Connect HRR-GM2 2-pin black connector to black connector of OBDII extension harness.
- Plug the OBDII connector into the OBDII of the vehicle, under driver dash.

STEP 5

- Plug the harnesses into the aftermarket radio.
- Connect the backup camera RCA cable into the aftermarket radio.
- Plug the Data cable to the data port of the aftermarket radio.
- Insert the Audio cable into the iDatalink 3.5 mm audio jack of the aftermarket radio (if there is no iDatalink audio input, connect to AUX).

Note: On Pioneer radio, ensure that there is nothing plugged into the W/R port.

STEP 6

- Connect the ACC-SP1 speaker to Maestro module.
- Connect all the harnesses to the Maestro RR module then test your installation.

OnStar or warning chime adjust (Audio in vehicle speakers):

- Turn ignition (IGN) on
- Open driver's door

Select to adjust:

OnStar level - Press OnStar button.

Warning chime level - turn headlight switch to parking light position (not AUTO).

- Adjust volume using steering wheel volume up/down OR dimmer switch. If using dimmer switch, ensure headlight switch is NOT set to AUTO.

OnStar, turn signal, or warning chime adjust (Audio in GM5+ speaker):

- Find "OEM setup" menu in radio settings.

Under "Vehicle Features", select to adjust:

Onstar Volume - Level from 0-9

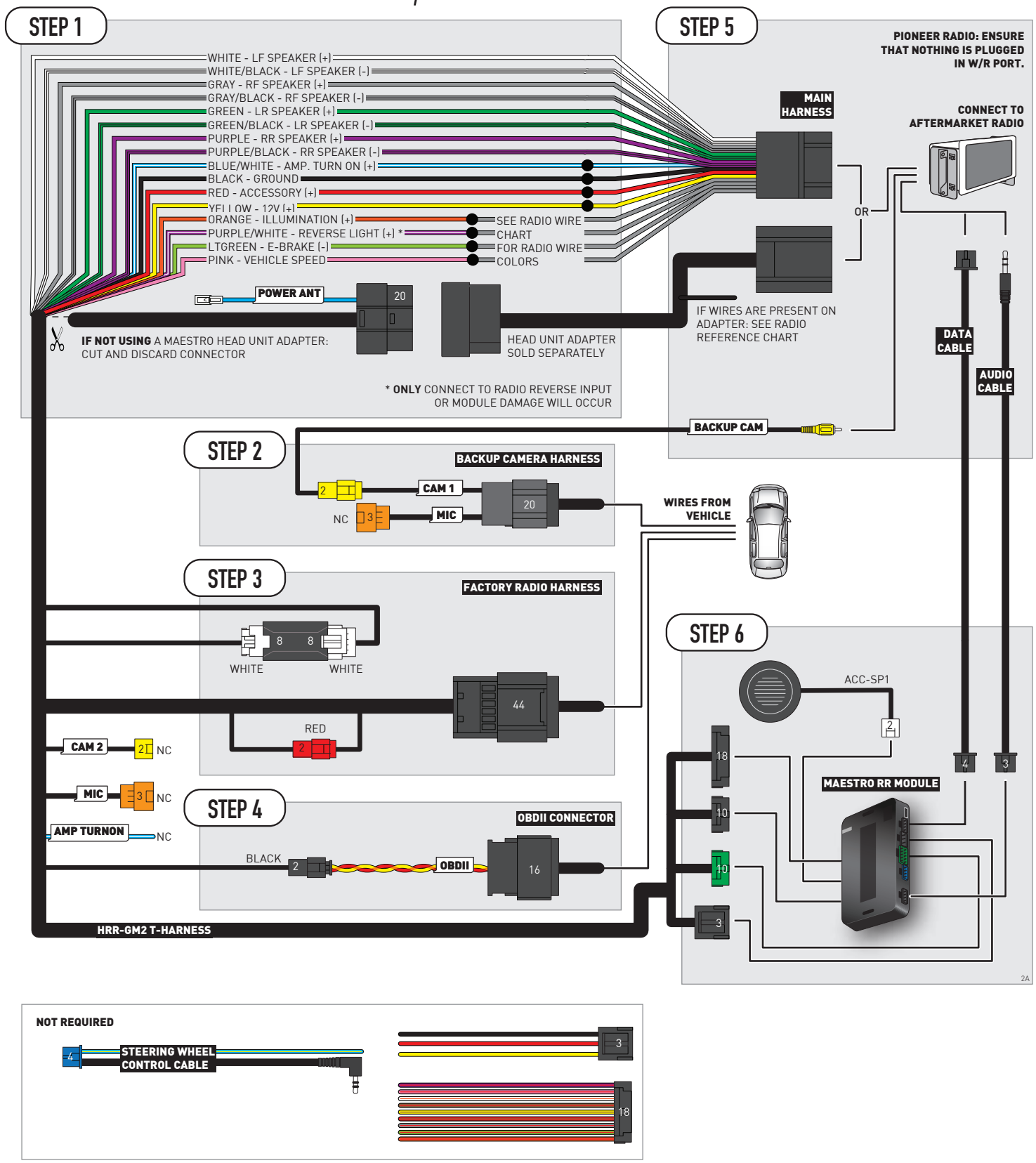
Chime Volume - Level from 0-9

Turn Signal Volume - 1-10

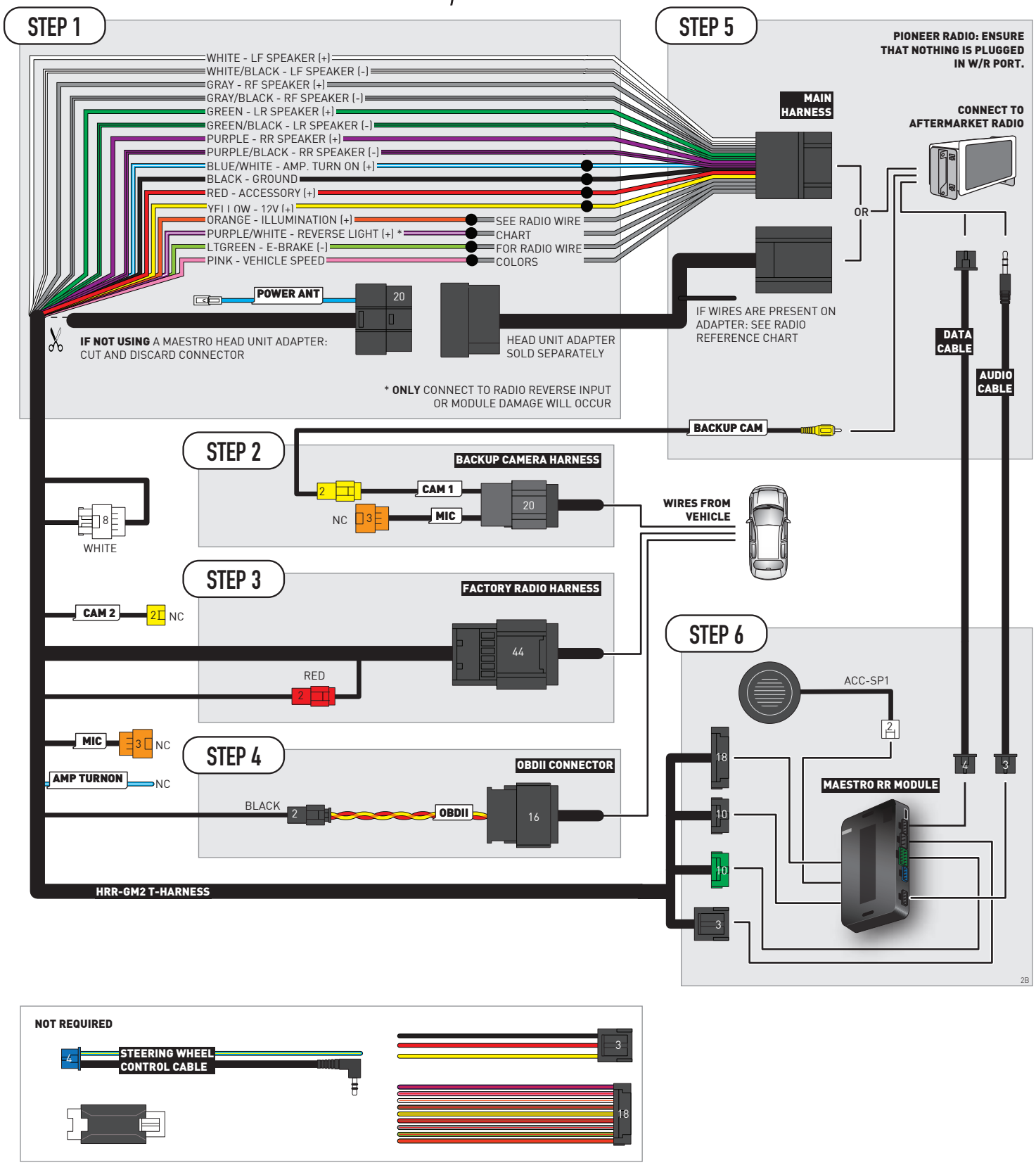
Turn Signal Reminder - Select "Click in speaker" for normal signal sounds. Select "Chime if left on" to only alert if turn signal is left on.

Automotive Data Solutions Inc. © 2023

WIRING DIAGRAM *with an Amplifier*



WIRING DIAGRAM *without an Amplifier*



RADIO WIRE REFERENCE CHART

GM5+ (GM2) T-harness Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/ JVC cable	Wire Color on Pioneer cable	Wire Color on Sony cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light*	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A
Power Antenna	(+)	Blue	Blue	Blue	Blue/White	Blue or Blue/White

Head unit adapter wiring (optional accessory, sold separately)

ACC-HU-ALP1 Wire Description	Polarity	Wire Color on Adapter	Alpine Radio
VSS (vehicle speed sensor)	(DATA)	Green/White	Green/White

ACC-HU-KEN1 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
CAM	(+)	Green/Red	Refer to camera/radio manual
CAM	(-)	Green/White	Refer to camera/radio manual
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

ACC-HU-KEN2 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
E-Brake	(-)	LtGreen	LtGreen
Reverse Light*	(+)	Purple/White	Purple/White
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

* Reverse light wire: Only connect to radio or module damage will occur.

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 (RR2) Bluetooth activity	LED STATUS	DIAGNOSTIC
● or ●		RED or GREEN flashing	LED flashes 1 or more times, either red or green, **when a steering wheel button is pressed** : normal operation.
●		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do NOT use DEMO MODE.
●		2 RED flashes	Problem detected. Consult troubleshooting table.
●		1 GREEN flash	After radio boots up : Normal operation.
	●	3 GREEN flashes	Bluetooth is activated. Turns off after one minute: Normal operation.
●	●	OFF	Normal operation (inactive).

VIDEO HELP		Installation, product information, vehicle specific videos.
VERIFY FLASH		Last flash information, steering control configuration, vehicle information.
WEBLINK		Software to program module.

TROUBLESHOOTING TABLE P1 /2

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure OBDII connector is securely attached to the OBD2 connector of the vehicle. If you hardwired connections at the OBDII, check connections at the OBDII connector. Make sure the **RED/BROWN** wire is on **PIN 6** and the **YELLOW/BROWN** wire is connected to **PIN 14** of the OBDII connector. Do not use T-Taps. Soldering or military splicing methods are recommended. If anything else is connected to the OBD2 or CAN wires of vehicle (programmer, throttle controller, insurance tracker, etc.) try unplugging it to see if gauges work. If gauges work without it installed, call tech support for options. Reset the RR.
No sound from Onstar or OEM Satellite (if equipped).	Make sure the audio cable is installed and inserted into the correct location on the radio.
Trying to use the OEM Satellite and get "Check Tuner" message.	In order to access the OEM Satellite you must go into the radio sources and look for the one that says "Satellite Radio". The SiriusXM source is not the same as the OEM Satellite source.
When listening to the OEM Satellite radio, the turn signals don't make the clicking noise, but they do in any other source.	This is normal. The audio for OEM Satellite radio and the turn signal clicks both come from the audio cable. The Maestro unit cannot process 2 different audio signals at the same time, so the OEM Satellite is priority.
There is no turn signal clicking noise.	Find OEM Setup in the radio settings. Under Vehicle Feature settings, look for Turn Signal Reminder. If it is set to "Chime If Left On", it will not click. If you wish to hear turn signal clicks, this setting must be set to "Click In Speaker".
No sound from the Bose system (If equipped).	Make sure the amplifier turn on wire (Blue/White) of the T-Harness is connected to the radio's amplifier turn on wire. When flashing the Maestro make sure that the Amplifier in OEM Systems to Retain is selected. Make sure the RCA's are connected to the radio or the speaker wires are connected depending on your installation method.
Vehicle had the Bose system and it was bypassed, now there are no chimes.	Remove the Maestro and reflash it, making sure you uncheck the Amplifier option in the OEM Systems section of the flash.
Audio is very quiet or very loud.	Non amplified vehicles: ensure the AMP adapter is NOT plugged in between the white 8 pin plugs. Amplified vehicles: ensure the AMP adapter IS plugged in between the white 8 pin plugs.
(Vehicle using a HRR-GM2 harness only) Backup camera is not working and displays a black screen on radio when in reverse.	Ensure the 2-pin yellow plug is connected as shown on the diagram.
The light on the Maestro is flashing **RED ONCE**.	There is no firmware on the module; flash the RR module.
The radio is **ON** and the light on the Maestro is blinking **RED TWICE**.	Ensure the 4-pin data cable is connected between the radio and the RR, and that it is plugged into the black port on the Maestro RR. The red and blue ports on the RR should be empty. Make sure the correct radio model and serial number were entered during the flash. Verify the radio's serial number entered during the flash matches what is listed on the radio screen. This can be found in the settings of the radio, listed as Device Id, Device Number, or Serial Number.
The light on the Maestro is blinking **RED TWICE** but radio **is NOT** turning on.	If installing a modular radio and it is not turning on, ensure the screen is secured and any trim pieces on the radio have been installed fully. Not installing these fully will prevent radio from powering up and show a 2x red error as well. Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.

TROUBLESHOOTING TABLE P2 /2

MAESTRO RR RESET PROCEDURE:

Turn the key to the OFF position, then disconnect all connectors from the module.
Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).
Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds to show the reset was successful.

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

IMPORTANT: To ensure proper operation, the aftermarket radio needs to have the latest firmware from the manufacturer. Please visit the radio manufacturer's website and look for any updates pertaining to your radio.

INSTALL GUIDE

2012-2013
CHEVROLET AVALANCHE
WITHOUT NAV

RETAINS STEERING WHEEL CONTROLS, ONSTAR, BLUETOOTH, XM SATELLITE AND MORE!



PRODUCTS REQUIRED

iDatalink Maestro RR or RR2 Radio Replacement Interface
iDatalink Maestro HRR-GM5+ Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-GM05-DS

ADDITIONAL RESOURCES

Maestro RR2 Programmable Outputs Guide

OPTIONAL ACCESSORIES

K40 ELECTRONICS
ESCORT
ACC-SP1

Click here for:
Radar Installation Guides

HEAD UNIT ADAPTER:
ACC-HU-PIO1, SON1, KEN1, KEN2, ALP1

NOTICE: Automotive Data Solutions Inc. (ADS) recommends having this installation performed by a certified technician. Logos and trademarks used here in are the properties of their respective owners.

WELCOME

Congratulations on the purchase of your iDatalink Maestro RR Radio replacement solution. You are now a few simple steps away from enjoying your new car radio with enhanced features.

Before starting your installation, please ensure that your iDatalink Maestro module is programmed with the correct firmware for your vehicle and that you carefully review the install guide.

Please note that Maestro RR will only retain functionalities that were originally available in the vehicle.

TABLE OF CONTENTS

Before Installing	3
Installation Instructions	4
Wiring Diagram with an Amplifier	5
Wiring Diagram without an Amplifier	6
Radio Wire Reference Chart	7
Module Diagnostics	8
Troubleshooting Table	9

NEED HELP?

1 866 427-2999

maestro.support@idatalink.com

BEFORE INSTALLING P1 /1

STEP 1

DETERMINE IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

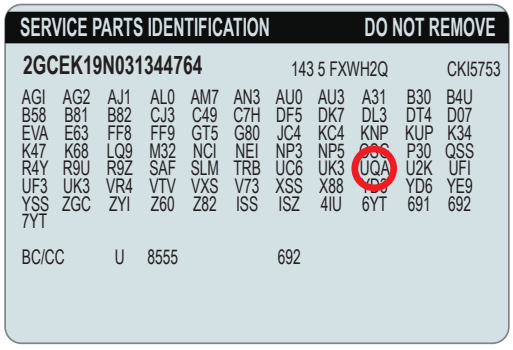
METHOD 1: Look for the following logos in the vehicle. They are usually on the speaker covers or on the radio unit. If you find any of the following logos Bose, Pioneer or Monsoon, you have a factory amplifier.

BOSE

Pioneer

MONSOON

METHOD 2: Look for the following sticker in the glove box. This sticker will indicate all the Regular Production Option (RPO) codes. If you find any of the following codes UQA, UQS or UQG, you have a factory amplifier.



STEP 2

IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **with an amplifier** and read the "**AMPLIFIER ONLY**" note to determine if you should use rca's or level matching circuits.

IF YOUR VEHICLE NOT IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **without an amplifier**.

Automotive Data Solutions Inc. © 2023

INSTALLATION INSTRUCTIONS P1/1

STEP 1

Remove the factory radio

If using head unit adapter (sold separately), connect HRR-GM5+ harness to adapter and skip to step 2.

- Unbox the aftermarket radio and locate its main harness.
- Cut and remove the black 20 pin connector from the HRR-GM5+ T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the HRR-GM5+ T-harness and match the wire functions.

  Note: only connect purple/white wire to radio reverse input or module damage will occur.

STEP 2

- Connect the factory harness to the HRR-GM5+ T-harness.
- Without AMP: Ensure that the WHITE 8 pin plugs are connected.
- With AMP: Connect the HRR-GM5+ 8 pin WHITE connectors to the AMP adapter.

STEP 3

- Connect HRR-GM5+ 2-pin black connector to black connector of OBDII extension harness.
- Plug the OBDII connector into the OBDII of the vehicle, under driver dash.

STEP 4

- Plug the harnesses into the aftermarket radio.
- Connect the backup camera RCA cable into the aftermarket radio.
- With AMP: Connect the Center and SUB RCA cables.
- Plug the Data cable to the data port of the aftermarket radio.
- Insert the Audio cable into the iDatalink 3.5 mm audio jack of the aftermarket radio (if there is no iDatalink audio input, connect to AUX).

  Note: On Pioneer radio, ensure that there is nothing plugged into the W/R port.

STEP 5

- Connect the ACC-SP1 speaker to Maestro module.
- Connect all the harnesses to the Maestro RR module then test your installation.

OnStar or warning chime adjust (Audio in vehicle speakers):

- Turn ignition (IGN) on
- Open driver's door

Select to adjust:

OnStar level - Press OnStar button.

Warning chime level - turn headlight switch to parking light position (not AUTO).

- Adjust volume using steering wheel volume up/down OR dimmer switch. If using dimmer switch, ensure headlight switch is NOT set to AUTO.

OnStar, turn signal, or warning chime adjust (Audio in GM5+ speaker):

- Find "OEM setup" menu in radio settings.

Under "Vehicle Features", select to adjust:

Onstar Volume - Level from 0-9

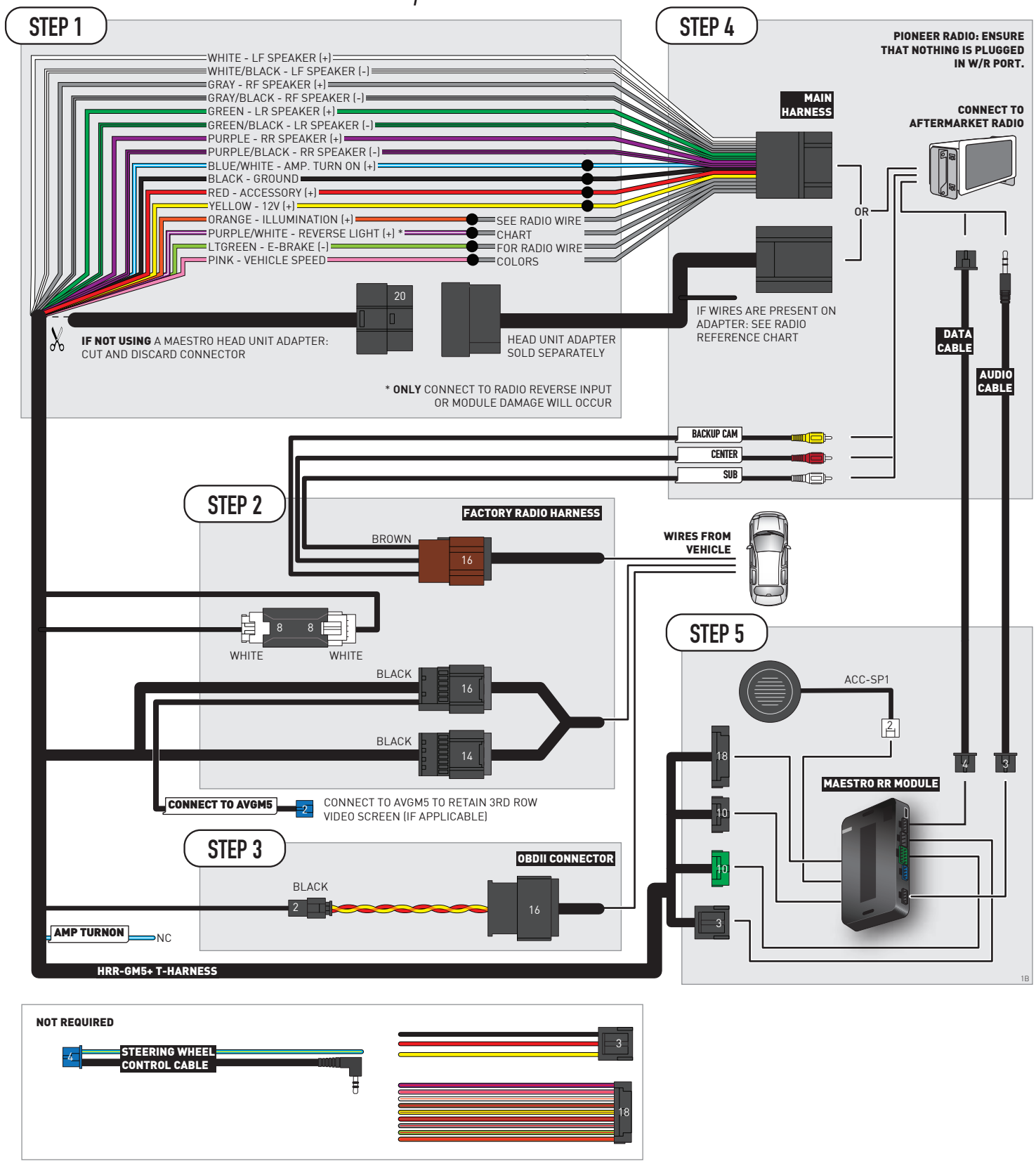
Chime Volume - Level from 0-9

Turn Signal Volume - 1-10

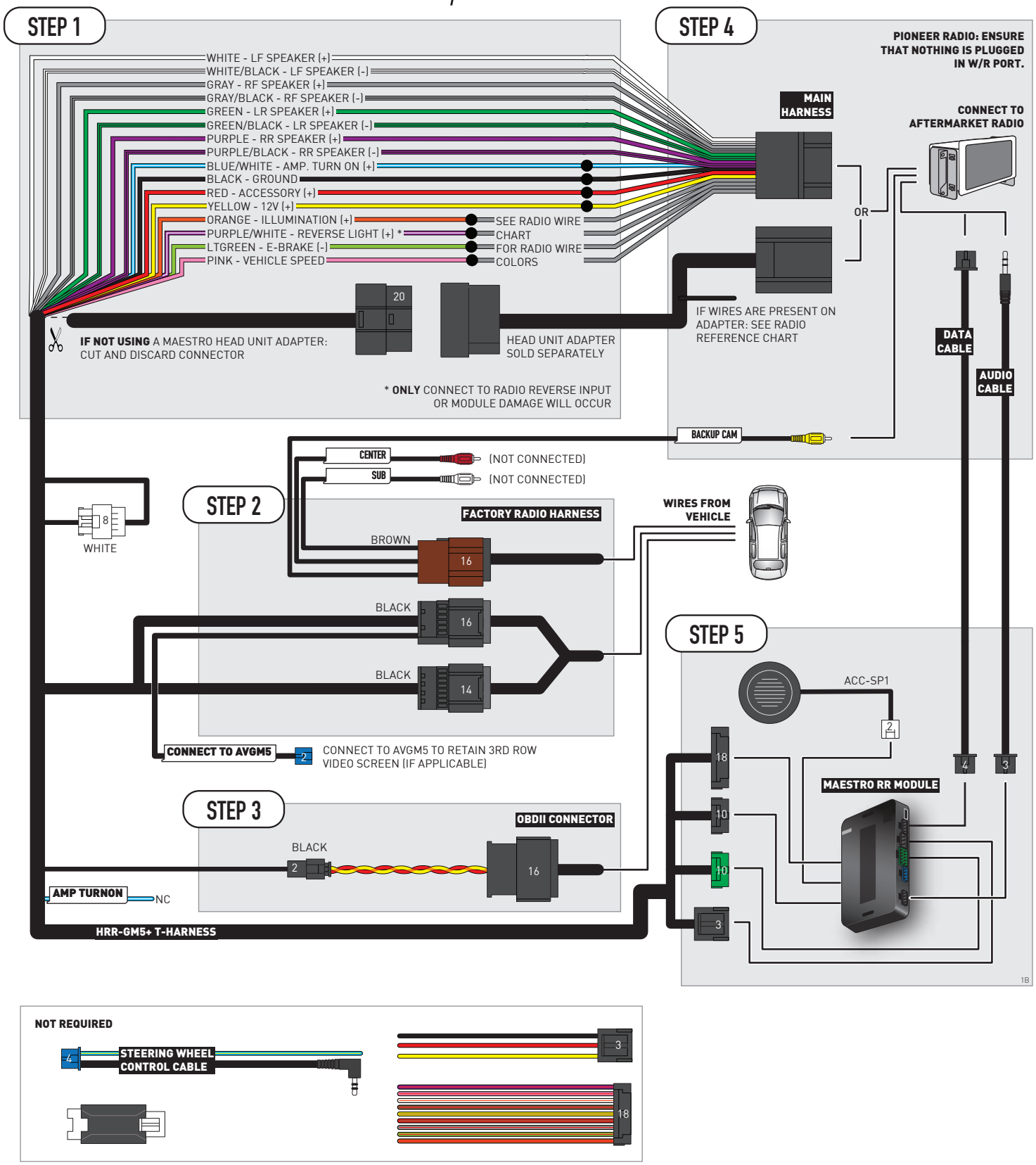
Turn Signal Reminder - Select "Click in speaker" for normal signal sounds. Select "Chime if left on" to only alert if turn signal is left on.

Automotive Data Solutions Inc. © 2023

WIRING DIAGRAM *with an Amplifier*



WIRING DIAGRAM *without an Amplifier*



RADIO WIRE REFERENCE CHART

GM5+ (GM2) T-harness Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/ JVC cable	Wire Color on Pioneer cable	Wire Color on Sony cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light*	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A
Power Antenna	(+)	Blue	Blue	Blue	Blue/White	Blue or Blue/White

Head unit adapter wiring (optional accessory, sold separately)

ACC-HU-ALP1 Wire Description	Polarity	Wire Color on Adapter	Alpine Radio
VSS (vehicle speed sensor)	(DATA)	Green/White	Green/White

ACC-HU-KEN1 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
CAM	(+)	Green/Red	Refer to camera/radio manual
CAM	(-)	Green/White	Refer to camera/radio manual
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

ACC-HU-KEN2 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
E-Brake	(-)	LtGreen	LtGreen
Reverse Light*	(+)	Purple/White	Purple/White
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

* Reverse light wire: Only connect to radio or module damage will occur.

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 (RR2) Bluetooth activity	LED STATUS	DIAGNOSTIC
● or ●		RED or GREEN flashing	LED flashes 1 or more times, either red or green, **when a steering wheel button is pressed** : normal operation.
●		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do NOT use DEMO MODE.
●		2 RED flashes	Problem detected. Consult troubleshooting table.
●		1 GREEN flash	After radio boots up : Normal operation.
	●	3 GREEN flashes	Bluetooth is activated. Turns off after one minute: Normal operation.
●	●	OFF	Normal operation (inactive).

VIDEO HELP		Installation, product information, vehicle specific videos.
VERIFY FLASH		Last flash information, steering control configuration, vehicle information.
WEBLINK		Software to program module.

TROUBLESHOOTING TABLE P1 /2

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure OBDII connector is securely attached to the OBD2 connector of the vehicle. If you hardwired connections at the OBDII, check connections at the OBDII connector. Make sure the **RED/BROWN** wire is on **PIN 6** and the **YELLOW/BROWN** wire is connected to **PIN 14** of the OBDII connector. Do not use T-Taps. Soldering or military splicing methods are recommended. If anything else is connected to the OBD2 or CAN wires of vehicle (programmer, throttle controller, insurance tracker, etc.) try unplugging it to see if gauges work. If gauges work without it installed, call tech support for options. Reset the RR.
No sound from Onstar or OEM Satellite (if equipped).	Make sure the audio cable is installed and inserted into the correct location on the radio.
Trying to use the OEM Satellite and get "Check Tuner" message.	In order to access the OEM Satellite you must go into the radio sources and look for the one that says "Satellite Radio". The SiriusXM source is not the same as the OEM Satellite source.
When listening to the OEM Satellite radio, the turn signals don't make the clicking noise, but they do in any other source.	This is normal. The audio for OEM Satellite radio and the turn signal clicks both come from the audio cable. The Maestro unit cannot process 2 different audio signals at the same time, so the OEM Satellite is priority.
There is no turn signal clicking noise.	Find OEM Setup in the radio settings. Under Vehicle Feature settings, look for Turn Signal Reminder. If it is set to "Chime If Left On", it will not click. If you wish to hear turn signal clicks, this setting must be set to "Click In Speaker".
No sound from the Bose system (If equipped).	Make sure the amplifier turn on wire (Blue/White) of the T-Harness is connected to the radio's amplifier turn on wire. When flashing the Maestro make sure that the Amplifier in OEM Systems to Retain is selected. Make sure the RCA's are connected to the radio or the speaker wires are connected depending on your installation method.
Vehicle had the Bose system and it was bypassed, now there are no chimes.	Remove the Maestro and reflash it, making sure you uncheck the Amplifier option in the OEM Systems section of the flash.
Audio is very quiet or very loud.	Non amplified vehicles: ensure the AMP adapter is NOT plugged in between the white 8 pin plugs. Amplified vehicles: ensure the AMP adapter IS plugged in between the white 8 pin plugs.
(Vehicle using a HRR-GM2 harness only) Backup camera is not working and displays a black screen on radio when in reverse.	Ensure the 2-pin yellow plug is connected as shown on the diagram.
The light on the Maestro is flashing **RED ONCE**.	There is no firmware on the module; flash the RR module.
The radio is **ON** and the light on the Maestro is blinking **RED TWICE**.	Ensure the 4-pin data cable is connected between the radio and the RR, and that it is plugged into the black port on the Maestro RR. The red and blue ports on the RR should be empty. Make sure the correct radio model and serial number were entered during the flash. Verify the radio's serial number entered during the flash matches what is listed on the radio screen. This can be found in the settings of the radio, listed as Device Id, Device Number, or Serial Number.
The light on the Maestro is blinking **RED TWICE** but radio **is NOT** turning on.	If installing a modular radio and it is not turning on, ensure the screen is secured and any trim pieces on the radio have been installed fully. Not installing these fully will prevent radio from powering up and show a 2x red error as well. Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.

TROUBLESHOOTING TABLE P2 /2

MAESTRO RR RESET PROCEDURE:

Turn the key to the OFF position, then disconnect all connectors from the module.
Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).
Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds to show the reset was successful.

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

IMPORTANT: To ensure proper operation, the aftermarket radio needs to have the latest firmware from the manufacturer. Please visit the radio manufacturer's website and look for any updates pertaining to your radio.

INSTALL GUIDE

2012-2015
CHEVROLET CAPTIVA SPORT

RETAINS STEERING WHEEL CONTROLS, ONSTAR, BLUETOOTH, XM SATELLITE AND MORE!



PRODUCTS REQUIRED

iDatalink Maestro RR or RR2 Radio Replacement Interface
iDatalink Maestro HRR-GM5+ Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-GM05-DS

ADDITIONAL RESOURCES

Maestro RR2 Programmable Outputs Guide

OPTIONAL ACCESSORIES

K40 ELECTRONICS
ESCORT

Click here for:
Radar Installation Guides

ACC-SP1

HEAD UNIT ADAPTER:
ACC-HU-PIO1, SON1, KEN1, KEN2, ALP1

NOTICE: Automotive Data Solutions Inc. (ADS) recommends having this installation performed by a certified technician. Logos and trademarks used here in are the properties of their respective owners.

WELCOME

Congratulations on the purchase of your iDatalink Maestro RR Radio replacement solution. You are now a few simple steps away from enjoying your new car radio with enhanced features.

Before starting your installation, please ensure that your iDatalink Maestro module is programmed with the correct firmware for your vehicle and that you carefully review the install guide.

Please note that Maestro RR will only retain functionalities that were originally available in the vehicle.

TABLE OF CONTENTS

Before Installing	3
Installation Instructions	4
Wiring Diagram with an Amplifier	5
Wiring Diagram without an Amplifier	6
Radio Wire Reference Chart	7
Module Diagnostics	8
Troubleshooting Table	9

NEED HELP?

1 866 427-2999

maestro.support@idatalink.com

BEFORE INSTALLING P1 /1

STEP 1

DETERMINE IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

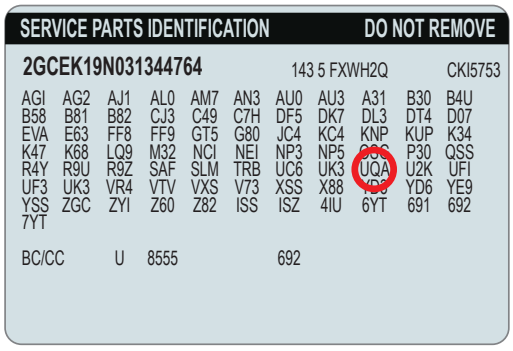
METHOD 1: Look for the following logos in the vehicle. They are usually on the speaker covers or on the radio unit. If you find any of the following logos Bose, Pioneer or Monsoon, you have a factory amplifier.

BOSE

Pioneer

MONSOON

METHOD 2: Look for the following sticker in the glove box. This sticker will indicate all the Regular Production Option (RPO) codes. If you find any of the following codes UQA, UQS or UQG, you have a factory amplifier.


SERVICE PARTS IDENTIFICATION DO NOT REMOVE

2GCEK19N031344764 143 5 FXWH2Q CKI5753

AGI	AG2	AJ1	AL0	AM7	AN3	AU0	AU3	A31	B30	B4U
B58	B81	B82	CJ3	C49	C7H	DF5	DK7	DL3	DT4	D07
EVA	E63	FF8	FF9	GT5	G80	JC4	KC4	KNP	KUP	K34
K47	K68	LQ9	M32	NCI	NEI	NP3	NP5	QQS	P30	QSS
R4Y	R9U	R9Z	SAF	SLM	TRB	UC6	UK3	UQA	U2K	UFI
UF3	UK3	VR4	VTV	VXS	V73	XSS	X88	YD5	YD6	YE9
YSS	ZGC	ZYI	Z60	Z82	ISS	ISZ	4IU	6YT	691	692
7YT										

BC/CC U 8555 692

STEP 2

IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **with an amplifier** and read the "**AMPLIFIER ONLY**" note to determine if you should use rca's or level matching circuits.

IF YOUR VEHICLE NOT IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **without an amplifier**.

Automotive Data Solutions Inc. © 2023

INSTALLATION INSTRUCTIONS P1/1

STEP 1

Remove the factory radio

If using head unit adapter (sold separately), connect HRR-GM5+ harness to adapter and skip to step 2.

- Unbox the aftermarket radio and locate its main harness.
- Cut and remove the black 20 pin connector from the HRR-GM5+ T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the HRR-GM5+ T-harness and match the wire functions.

  Note: only connect purple/white wire to radio reverse input or module damage will occur.

STEP 2

- Connect the factory harness to the HRR-GM5+ T-harness.
- Without AMP: Ensure that the WHITE 8 pin plugs are connected.
- With AMP: Connect the HRR-GM5+ 8 pin WHITE connectors to the AMP adapter.

STEP 3

- Connect HRR-GM5+ 2-pin black connector to black connector of OBDII extension harness.
- Plug the OBDII connector into the OBDII of the vehicle, under driver dash.

STEP 4

- Plug the harnesses into the aftermarket radio.
- Connect the backup camera RCA cable into the aftermarket radio.
- With AMP: Connect the Center and SUB RCA cables.
- Plug the Data cable to the data port of the aftermarket radio.
- Insert the Audio cable into the iDatalink 3.5 mm audio jack of the aftermarket radio (if there is no iDatalink audio input, connect to AUX).

  Note: On Pioneer radio, ensure that there is nothing plugged into the W/R port.

STEP 5

- Connect the ACC-SP1 speaker to Maestro module.
- Connect all the harnesses to the Maestro RR module then test your installation.

OnStar or warning chime adjust (Audio in vehicle speakers):

- Turn ignition (IGN) on
- Open driver's door

Select to adjust:

OnStar level - Press OnStar button.

Warning chime level - turn headlight switch to parking light position (not AUTO).

- Adjust volume using steering wheel volume up/down OR dimmer switch. If using dimmer switch, ensure headlight switch is NOT set to AUTO.

OnStar, turn signal, or warning chime adjust (Audio in GM5+ speaker):

- Find "OEM setup" menu in radio settings.

Under "Vehicle Features", select to adjust:

Onstar Volume - Level from 0-9

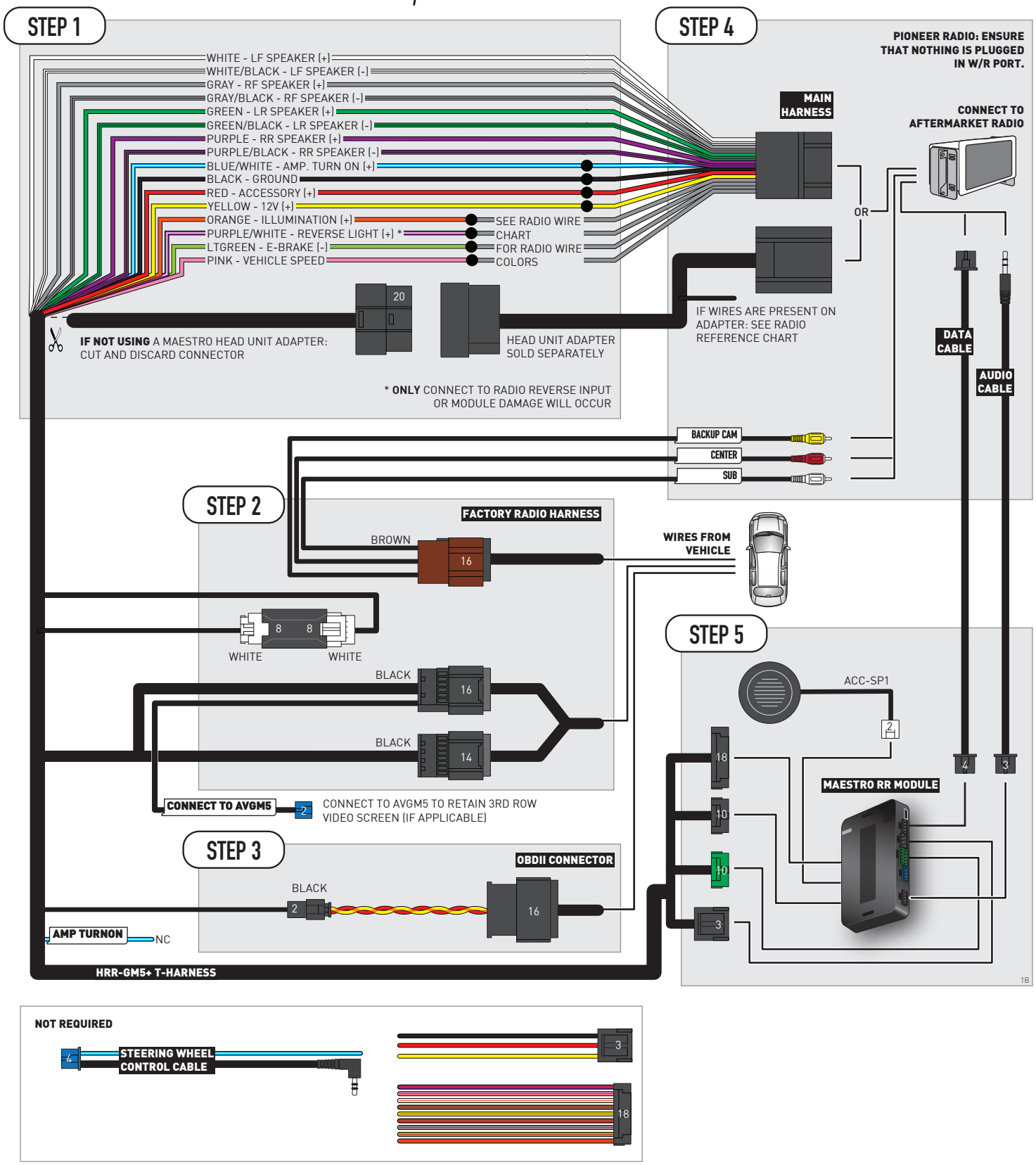
Chime Volume - Level from 0-9

Turn Signal Volume - 1-10

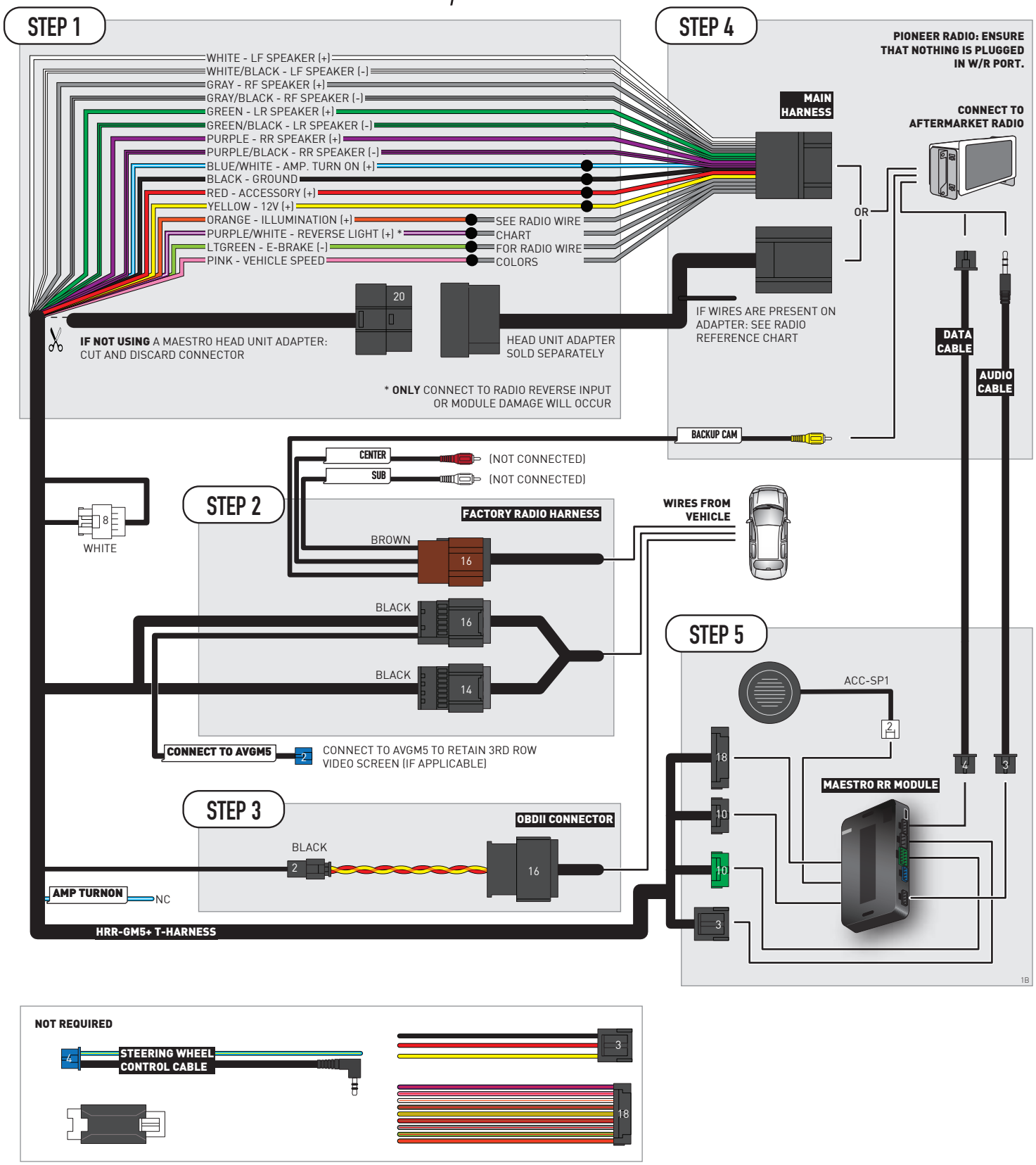
Turn Signal Reminder - Select "Click in speaker" for normal signal sounds. Select "Chime if left on" to only alert if turn signal is left on.

Automotive Data Solutions Inc. © 2023

WIRING DIAGRAM *with an Amplifier*



WIRING DIAGRAM *without an Amplifier*



RADIO WIRE REFERENCE CHART

GM5+ (GM2) T-harness Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/ JVC cable	Wire Color on Pioneer cable	Wire Color on Sony cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light*	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A
Power Antenna	(+)	Blue	Blue	Blue	Blue/White	Blue or Blue/White

Head unit adapter wiring (optional accessory, sold separately)

ACC-HU-ALP1 Wire Description	Polarity	Wire Color on Adapter	Alpine Radio
VSS (vehicle speed sensor)	(DATA)	Green/White	Green/White

ACC-HU-KEN1 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
CAM	(+)	Green/Red	Refer to camera/radio manual
CAM	(-)	Green/White	Refer to camera/radio manual
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

ACC-HU-KEN2 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
E-Brake	(-)	LtGreen	LtGreen
Reverse Light*	(+)	Purple/White	Purple/White
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

* Reverse light wire: Only connect to radio or module damage will occur.

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 (RR2) Bluetooth activity	LED STATUS	DIAGNOSTIC
● or ●		RED or GREEN flashing	LED flashes 1 or more times, either red or green, **when a steering wheel button is pressed** : normal operation.
●		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do NOT use DEMO MODE.
●		2 RED flashes	Problem detected. Consult troubleshooting table.
●		1 GREEN flash	After radio boots up : Normal operation.
	●	3 GREEN flashes	Bluetooth is activated. Turns off after one minute: Normal operation.
●	●	OFF	Normal operation (inactive).

VIDEO HELP		Installation, product information, vehicle specific videos.
VERIFY FLASH		Last flash information, steering control configuration, vehicle information.
WEBLINK		Software to program module.

TROUBLESHOOTING TABLE P1 /2

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure OBDII connector is securely attached to the OBD2 connector of the vehicle. If you hardwired connections at the OBDII, check connections at the OBDII connector. Make sure the **RED/BROWN** wire is on **PIN 6** and the **YELLOW/BROWN** wire is connected to **PIN 14** of the OBDII connector. Do not use T-Taps. Soldering or military splicing methods are recommended. If anything else is connected to the OBD2 or CAN wires of vehicle (programmer, throttle controller, insurance tracker, etc.) try unplugging it to see if gauges work. If gauges work without it installed, call tech support for options. Reset the RR.
No sound from Onstar or OEM Satellite (if equipped).	Make sure the audio cable is installed and inserted into the correct location on the radio.
Trying to use the OEM Satellite and get "Check Tuner" message.	In order to access the OEM Satellite you must go into the radio sources and look for the one that says "Satellite Radio". The SiriusXM source is not the same as the OEM Satellite source.
When listening to the OEM Satellite radio, the turn signals don't make the clicking noise, but they do in any other source.	This is normal. The audio for OEM Satellite radio and the turn signal clicks both come from the audio cable. The Maestro unit cannot process 2 different audio signals at the same time, so the OEM Satellite is priority.
There is no turn signal clicking noise.	Find OEM Setup in the radio settings. Under Vehicle Feature settings, look for Turn Signal Reminder. If it is set to "Chime If Left On", it will not click. If you wish to hear turn signal clicks, this setting must be set to "Click In Speaker".
No sound from the Bose system (If equipped).	Make sure the amplifier turn on wire (Blue/White) of the T-Harness is connected to the radio's amplifier turn on wire. When flashing the Maestro make sure that the Amplifier in OEM Systems to Retain is selected. Make sure the RCA's are connected to the radio or the speaker wires are connected depending on your installation method.
Vehicle had the Bose system and it was bypassed, now there are no chimes.	Remove the Maestro and reflash it, making sure you uncheck the Amplifier option in the OEM Systems section of the flash.
Audio is very quiet or very loud.	Non amplified vehicles: ensure the AMP adapter is NOT plugged in between the white 8 pin plugs. Amplified vehicles: ensure the AMP adapter IS plugged in between the white 8 pin plugs.
(Vehicle using a HRR-GM2 harness only) Backup camera is not working and displays a black screen on radio when in reverse.	Ensure the 2-pin yellow plug is connected as shown on the diagram.
The light on the Maestro is flashing **RED ONCE**.	There is no firmware on the module; flash the RR module.
The radio is **ON** and the light on the Maestro is blinking **RED TWICE**.	Ensure the 4-pin data cable is connected between the radio and the RR, and that it is plugged into the black port on the Maestro RR. The red and blue ports on the RR should be empty. Make sure the correct radio model and serial number were entered during the flash. Verify the radio's serial number entered during the flash matches what is listed on the radio screen. This can be found in the settings of the radio, listed as Device Id, Device Number, or Serial Number.
The light on the Maestro is blinking **RED TWICE** but radio **is NOT** turning on.	If installing a modular radio and it is not turning on, ensure the screen is secured and any trim pieces on the radio have been installed fully. Not installing these fully will prevent radio from powering up and show a 2x red error as well. Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.

TROUBLESHOOTING TABLE P2 /2

MAESTRO RR RESET PROCEDURE:

Turn the key to the OFF position, then disconnect all connectors from the module.
Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).
Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds to show the reset was successful.

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

IMPORTANT: To ensure proper operation, the aftermarket radio needs to have the latest firmware from the manufacturer. Please visit the radio manufacturer's website and look for any updates pertaining to your radio.

INSTALL GUIDE

2007-2009
CHEVROLET EQUINOX

RETAINS STEERING WHEEL CONTROLS, ONSTAR, BLUETOOTH, XM SATELLITE AND MORE!



PRODUCTS REQUIRED

iDatalink Maestro RR or RR2 Radio Replacement Interface
iDatalink Maestro HRR-GM5+ Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-GM05-DS

ADDITIONAL RESOURCES

Maestro RR2 Programmable Outputs Guide

OPTIONAL ACCESSORIES

K40 ELECTRONICS
ESCORT

Click here for:
Radar Installation Guides

ACC-SP1

HEAD UNIT ADAPTER:
ACC-HU-PIO1, SON1, KEN1, KEN2, ALP1

NOTICE: Automotive Data Solutions Inc. (ADS) recommends having this installation performed by a certified technician. Logos and trademarks used here in are the properties of their respective owners.

WELCOME

Congratulations on the purchase of your iDatalink Maestro RR Radio replacement solution. You are now a few simple steps away from enjoying your new car radio with enhanced features.

Before starting your installation, please ensure that your iDatalink Maestro module is programmed with the correct firmware for your vehicle and that you carefully review the install guide.

Please note that Maestro RR will only retain functionalities that were originally available in the vehicle.

TABLE OF CONTENTS

Before Installing	3
Installation Instructions	4
Wiring Diagram with an Amplifier	5
Wiring Diagram without an Amplifier	6
Radio Wire Reference Chart	7
Module Diagnostics	8
Troubleshooting Table	9

NEED HELP?

1 866 427-2999

maestro.support@idatalink.com

BEFORE INSTALLING P1 /1

STEP 1

DETERMINE IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

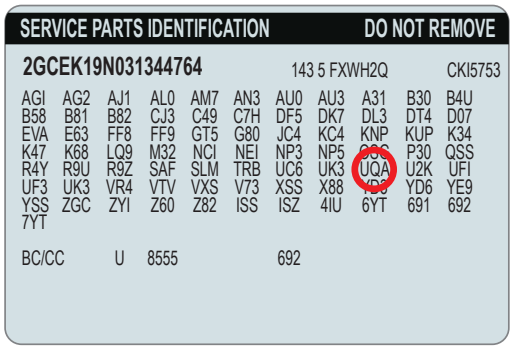
METHOD 1: Look for the following logos in the vehicle. They are usually on the speaker covers or on the radio unit. If you find any of the following logos Bose, Pioneer or Monsoon, you have a factory amplifier.

BOSE

Pioneer

MONSOON

METHOD 2: Look for the following sticker in the glove box. This sticker will indicate all the Regular Production Option (RPO) codes. If you find any of the following codes UQA, UQS or UQG, you have a factory amplifier.



STEP 2

IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **with an amplifier** and read the "**AMPLIFIER ONLY**" note to determine if you should use rca's or level matching circuits.

IF YOUR VEHICLE NOT IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **without an amplifier**.

Automotive Data Solutions Inc. © 2023

INSTALLATION INSTRUCTIONS P1/1

STEP 1

Remove the factory radio

If using head unit adapter (sold separately), connect HRR-GM5+ harness to adapter and skip to step 2.

- Unbox the aftermarket radio and locate its main harness.
- Cut and remove the black 20 pin connector from the HRR-GM5+ T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the HRR-GM5+ T-harness and match the wire functions.

  Note: only connect purple/white wire to radio reverse input or module damage will occur.

STEP 2

- Connect the factory harness to the HRR-GM5+ T-harness.
- Without AMP: Ensure that the WHITE 8 pin plugs are connected.
- With AMP: Connect the HRR-GM5+ 8 pin WHITE connectors to the AMP adapter.

STEP 3

- Connect HRR-GM5+ 2-pin black connector to black connector of OBDII extension harness.
- Plug the OBDII connector into the OBDII of the vehicle, under driver dash.

STEP 4

- Plug the harnesses into the aftermarket radio.
- Connect the backup camera RCA cable into the aftermarket radio.
- With AMP: Connect the Center and SUB RCA cables.
- Plug the Data cable to the data port of the aftermarket radio.
- Insert the Audio cable into the iDatalink 3.5 mm audio jack of the aftermarket radio (if there is no iDatalink audio input, connect to AUX).

  Note: On Pioneer radio, ensure that there is nothing plugged into the W/R port.

STEP 5

- Connect the ACC-SP1 speaker to Maestro module.
- Connect all the harnesses to the Maestro RR module then test your installation.

OnStar or warning chime adjust (Audio in vehicle speakers):

- Turn ignition (IGN) on
- Open driver's door

Select to adjust:

OnStar level - Press OnStar button.

Warning chime level - turn headlight switch to parking light position (not AUTO).

- Adjust volume using steering wheel volume up/down OR dimmer switch. If using dimmer switch, ensure headlight switch is NOT set to AUTO.

OnStar, turn signal, or warning chime adjust (Audio in GM5+ speaker):

- Find "OEM setup" menu in radio settings.

Under "Vehicle Features", select to adjust:

Onstar Volume - Level from 0-9

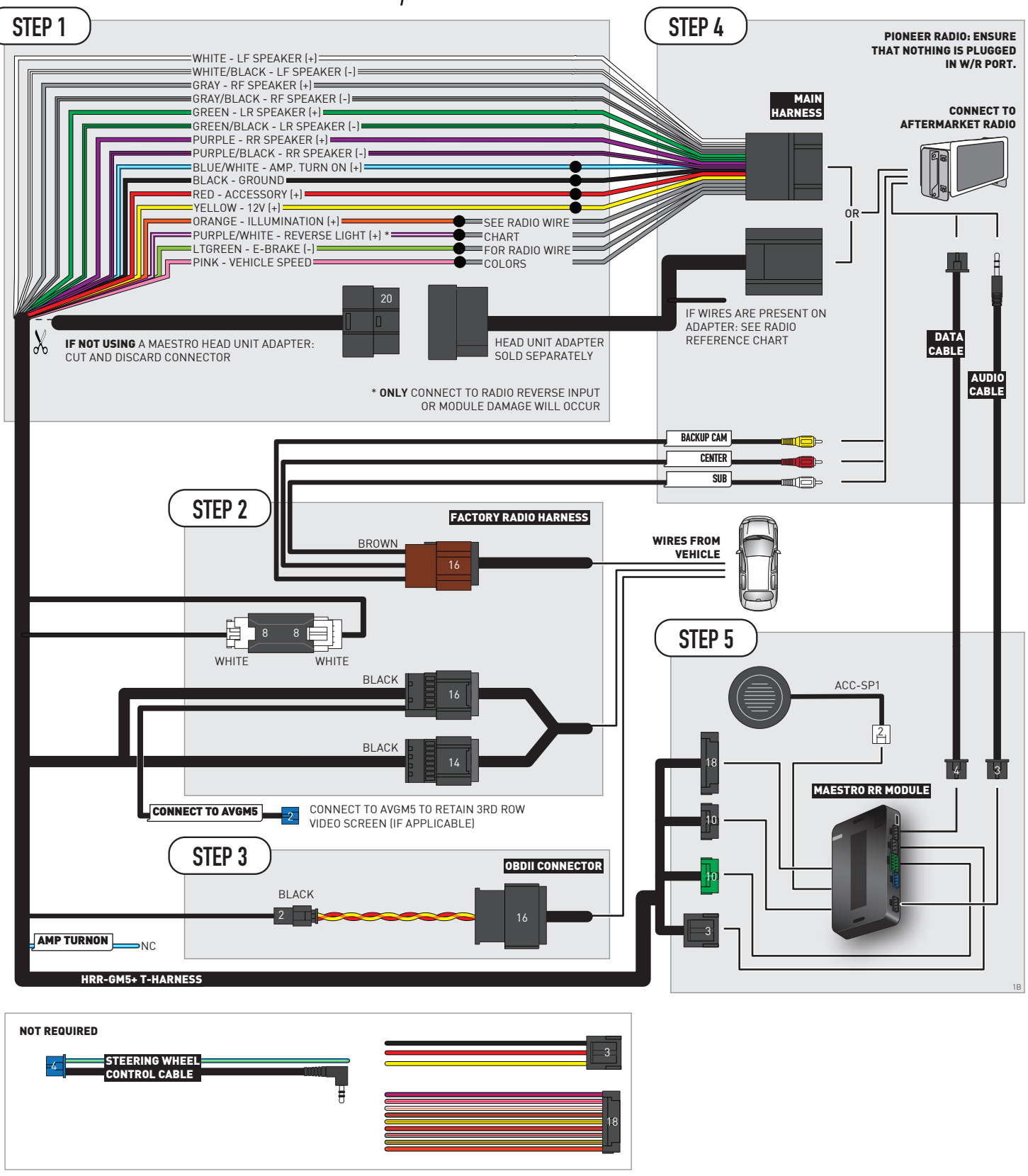
Chime Volume - Level from 0-9

Turn Signal Volume - 1-10

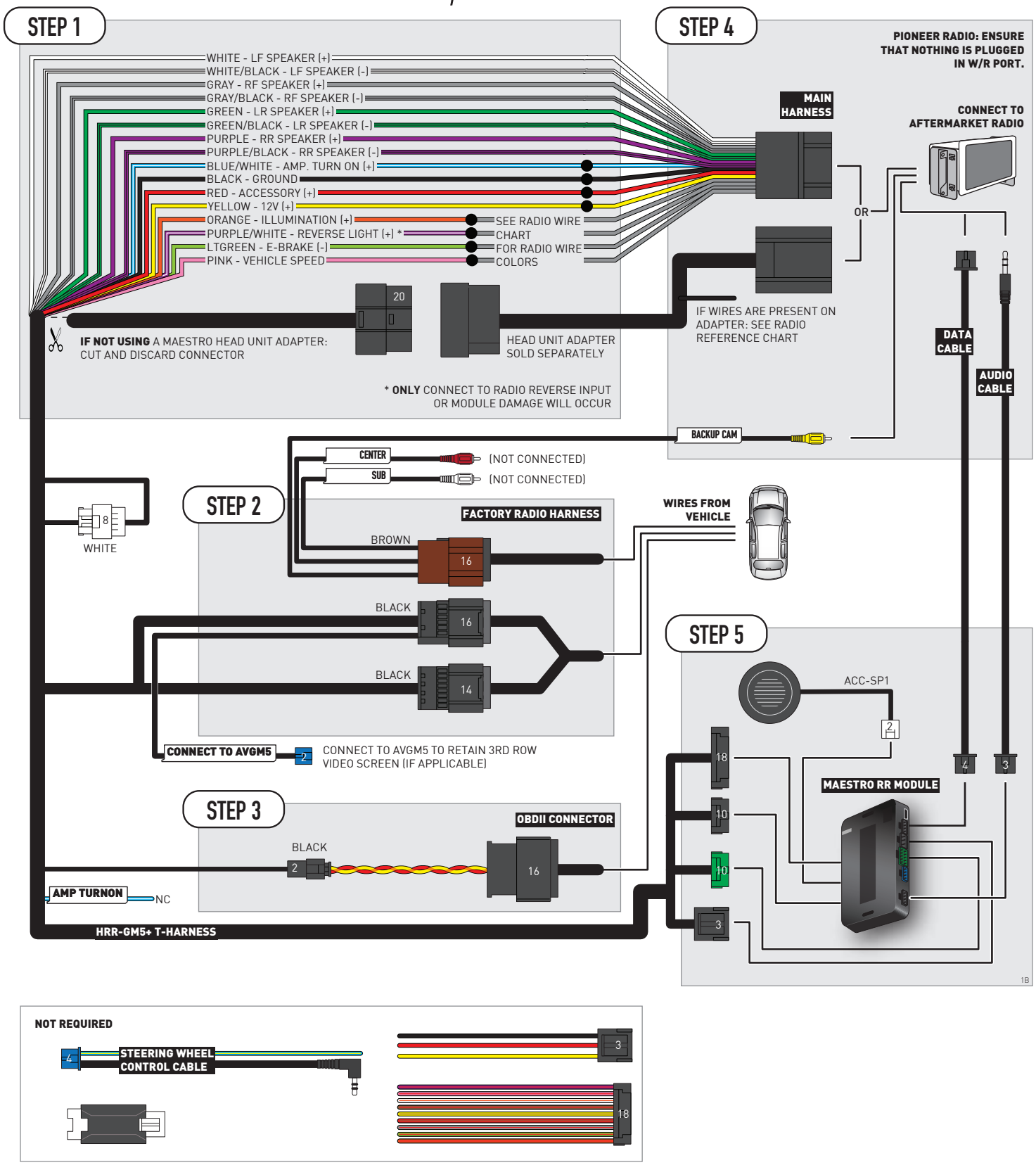
Turn Signal Reminder - Select "Click in speaker" for normal signal sounds. Select "Chime if left on" to only alert if turn signal is left on.

Automotive Data Solutions Inc. © 2023

WIRING DIAGRAM *with an Amplifier*



WIRING DIAGRAM *without an Amplifier*



RADIO WIRE REFERENCE CHART

GM5+ (GM2) T-harness Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/ JVC cable	Wire Color on Pioneer cable	Wire Color on Sony cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light*	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A
Power Antenna	(+)	Blue	Blue	Blue	Blue/White	Blue or Blue/White

Head unit adapter wiring (optional accessory, sold separately)

ACC-HU-ALP1 Wire Description	Polarity	Wire Color on Adapter	Alpine Radio
VSS (vehicle speed sensor)	(DATA)	Green/White	Green/White

ACC-HU-KEN1 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
CAM	(+)	Green/Red	Refer to camera/radio manual
CAM	(-)	Green/White	Refer to camera/radio manual
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

ACC-HU-KEN2 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
E-Brake	(-)	LtGreen	LtGreen
Reverse Light*	(+)	Purple/White	Purple/White
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

* Reverse light wire: Only connect to radio or module damage will occur.

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 (RR2) Bluetooth activity	LED STATUS	DIAGNOSTIC
● or ●		RED or GREEN flashing	LED flashes 1 or more times, either red or green, **when a steering wheel button is pressed** : normal operation.
●		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do NOT use DEMO MODE.
●		2 RED flashes	Problem detected. Consult troubleshooting table.
●		1 GREEN flash	After radio boots up : Normal operation.
	●	3 GREEN flashes	Bluetooth is activated. Turns off after one minute: Normal operation.
●	●	OFF	Normal operation (inactive).

VIDEO HELP		Installation, product information, vehicle specific videos.
VERIFY FLASH		Last flash information, steering control configuration, vehicle information.
WEBLINK		Software to program module.

TROUBLESHOOTING TABLE P1 /2

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure OBDII connector is securely attached to the OBD2 connector of the vehicle. If you hardwired connections at the OBDII, check connections at the OBDII connector. Make sure the **RED/BROWN** wire is on **PIN 6** and the **YELLOW/BROWN** wire is connected to **PIN 14** of the OBDII connector. Do not use T-Taps. Soldering or military splicing methods are recommended. If anything else is connected to the OBD2 or CAN wires of vehicle (programmer, throttle controller, insurance tracker, etc.) try unplugging it to see if gauges work. If gauges work without it installed, call tech support for options. Reset the RR.
No sound from Onstar or OEM Satellite (if equipped).	Make sure the audio cable is installed and inserted into the correct location on the radio.
Trying to use the OEM Satellite and get "Check Tuner" message.	In order to access the OEM Satellite you must go into the radio sources and look for the one that says "Satellite Radio". The SiriusXM source is not the same as the OEM Satellite source.
When listening to the OEM Satellite radio, the turn signals don't make the clicking noise, but they do in any other source.	This is normal. The audio for OEM Satellite radio and the turn signal clicks both come from the audio cable. The Maestro unit cannot process 2 different audio signals at the same time, so the OEM Satellite is priority.
There is no turn signal clicking noise.	Find OEM Setup in the radio settings. Under Vehicle Feature settings, look for Turn Signal Reminder. If it is set to "Chime If Left On", it will not click. If you wish to hear turn signal clicks, this setting must be set to "Click In Speaker".
No sound from the Bose system (If equipped).	Make sure the amplifier turn on wire (Blue/White) of the T-Harness is connected to the radio's amplifier turn on wire. When flashing the Maestro make sure that the Amplifier in OEM Systems to Retain is selected. Make sure the RCA's are connected to the radio or the speaker wires are connected depending on your installation method.
Vehicle had the Bose system and it was bypassed, now there are no chimes.	Remove the Maestro and reflash it, making sure you uncheck the Amplifier option in the OEM Systems section of the flash.
Audio is very quiet or very loud.	Non amplified vehicles: ensure the AMP adapter is NOT plugged in between the white 8 pin plugs. Amplified vehicles: ensure the AMP adapter IS plugged in between the white 8 pin plugs.
(Vehicle using a HRR-GM2 harness only) Backup camera is not working and displays a black screen on radio when in reverse.	Ensure the 2-pin yellow plug is connected as shown on the diagram.
The light on the Maestro is flashing **RED ONCE**.	There is no firmware on the module; flash the RR module.
The radio is **ON** and the light on the Maestro is blinking **RED TWICE**.	Ensure the 4-pin data cable is connected between the radio and the RR, and that it is plugged into the black port on the Maestro RR. The red and blue ports on the RR should be empty. Make sure the correct radio model and serial number were entered during the flash. Verify the radio's serial number entered during the flash matches what is listed on the radio screen. This can be found in the settings of the radio, listed as Device Id, Device Number, or Serial Number.
The light on the Maestro is blinking **RED TWICE** but radio **is NOT** turning on.	If installing a modular radio and it is not turning on, ensure the screen is secured and any trim pieces on the radio have been installed fully. Not installing these fully will prevent radio from powering up and show a 2x red error as well. Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.

TROUBLESHOOTING TABLE P2 /2

MAESTRO RR RESET PROCEDURE:

Turn the key to the OFF position, then disconnect all connectors from the module.
Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).
Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds to show the reset was successful.

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

IMPORTANT: To ensure proper operation, the aftermarket radio needs to have the latest firmware from the manufacturer. Please visit the radio manufacturer's website and look for any updates pertaining to your radio.

INSTALL GUIDE

2013-2023
CHEVROLET EXPRESS
WITH NAV

RETAINS STEERING WHEEL CONTROLS, ONSTAR, BLUETOOTH, XM SATELLITE AND MORE!



PRODUITS REQUIS
Interface de remplacement d'autoradio: iDatalink Maestro RR ou RR2
Câblage : iDatalink Maestro HRR-GM2

PROGRAMMED FIRMWARE
ADS-RR(SR)-GM05-DS

ADDITIONAL RESOURCES
Maestro RR2 Programmable Outputs Guide

OPTIONAL ACCESSORIES

K40 ELECTRONICS
ESCORT
ACC-SP1

Click here for:
Radar Installation Guides

HEAD UNIT ADAPTER:
ACC-HU-PIO1, SON1, KEN1, KEN2, ALP1

NOTICE: Automotive Data Solutions Inc. (ADS) recommends having this installation performed by a certified technician. Logos and trademarks used here in are the properties of their respective owners.

WELCOME

Congratulations on the purchase of your iDatalink Maestro RR Radio replacement solution. You are now a few simple steps away from enjoying your new car radio with enhanced features.

Before starting your installation, please ensure that your iDatalink Maestro module is programmed with the correct firmware for your vehicle and that you carefully review the install guide.

Please note that Maestro RR will only retain functionalities that were originally available in the vehicle.

TABLE OF CONTENTS

Before Installing	3
Installation Instructions	4
Wiring Diagram with an Amplifier	5
Wiring Diagram without an Amplifier	6
Radio Wire Reference Chart	7
Module Diagnostics	8
Troubleshooting Table	9

NEED HELP?

1 866 427-2999

maestro.support@idatalink.com

BEFORE INSTALLING P1 /1

STEP 1

DETERMINE IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

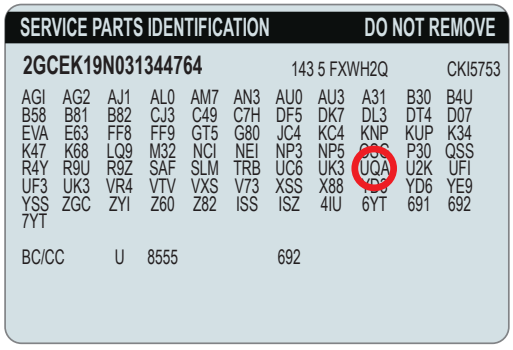
METHOD 1: Look for the following logos in the vehicle. They are usually on the speaker covers or on the radio unit. If you find any of the following logos Bose, Pioneer or Monsoon, you have a factory amplifier.

BOSE

Pioneer

MONSOON

METHOD 2: Look for the following sticker in the glove box. This sticker will indicate all the Regular Production Option (RPO) codes. If you find any of the following codes UQA, UQS or UQG, you have a factory amplifier.



STEP 2

IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **with an amplifier** and read the "**AMPLIFIER ONLY**" note to determine if you should use rca's or level matching circuits.

IF YOUR VEHICLE NOT IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **without an amplifier**.

INSTALLATION INSTRUCTIONS P1/1

STEP 1

Remove the factory radio

If using head unit adapter (sold separately), connect HRR-GM2 harness to adapter and skip to step 2.

- Unbox the aftermarket radio and locate its main harness.
- Cut and remove the black 20 pin connector from the HRR-GM2 T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the HRR-GM2 T-harness and match the wire functions.

  Note: only connect purple/white wire to radio reverse input or module damage will occur.

STEP 2

- Connect the YELLOW 2 pin connector of the backup camera cable to the YELLOW connector (CAM 1) of the backup camera adapter. Connect GRAY connector of adapter to the vehicle backup camera harness.

STEP 3

- Connect the factory harness to the HRR-GM2 T-harness.
- Ensure that the RED 2 pin plugs are connected.
- Without AMP: Ensure that the WHITE 8 pin plugs are connected.
- With AMP: Connect the HRR-GM2 8 pin WHITE connectors to the AMP adapter.

STEP 4

- Connect HRR-GM2 2-pin black connector to black connector of OBDII extension harness.
- Plug the OBDII connector into the OBDII of the vehicle, under driver dash.

STEP 5

- Plug the harnesses into the aftermarket radio.
- Connect the backup camera RCA cable into the aftermarket radio.
- Plug the Data cable to the data port of the aftermarket radio.
- Insert the Audio cable into the iDatalink 3.5 mm audio jack of the aftermarket radio (if there is no iDatalink audio input, connect to AUX).

Note: On Pioneer radio, ensure that there is nothing plugged into the W/R port.

STEP 6

- Connect the ACC-SP1 speaker to Maestro module.
- Connect all the harnesses to the Maestro RR module then test your installation.

OnStar or warning chime adjust (Audio in vehicle speakers):

- Turn ignition (IGN) on
- Open driver's door

Select to adjust:

OnStar level - Press OnStar button.

Warning chime level - turn headlight switch to parking light position (not AUTO).

- Adjust volume using steering wheel volume up/down OR dimmer switch. If using dimmer switch, ensure headlight switch is NOT set to AUTO.

OnStar, turn signal, or warning chime adjust (Audio in GM5+ speaker):

- Find "OEM setup" menu in radio settings.

Under "Vehicle Features", select to adjust:

Onstar Volume - Level from 0-9

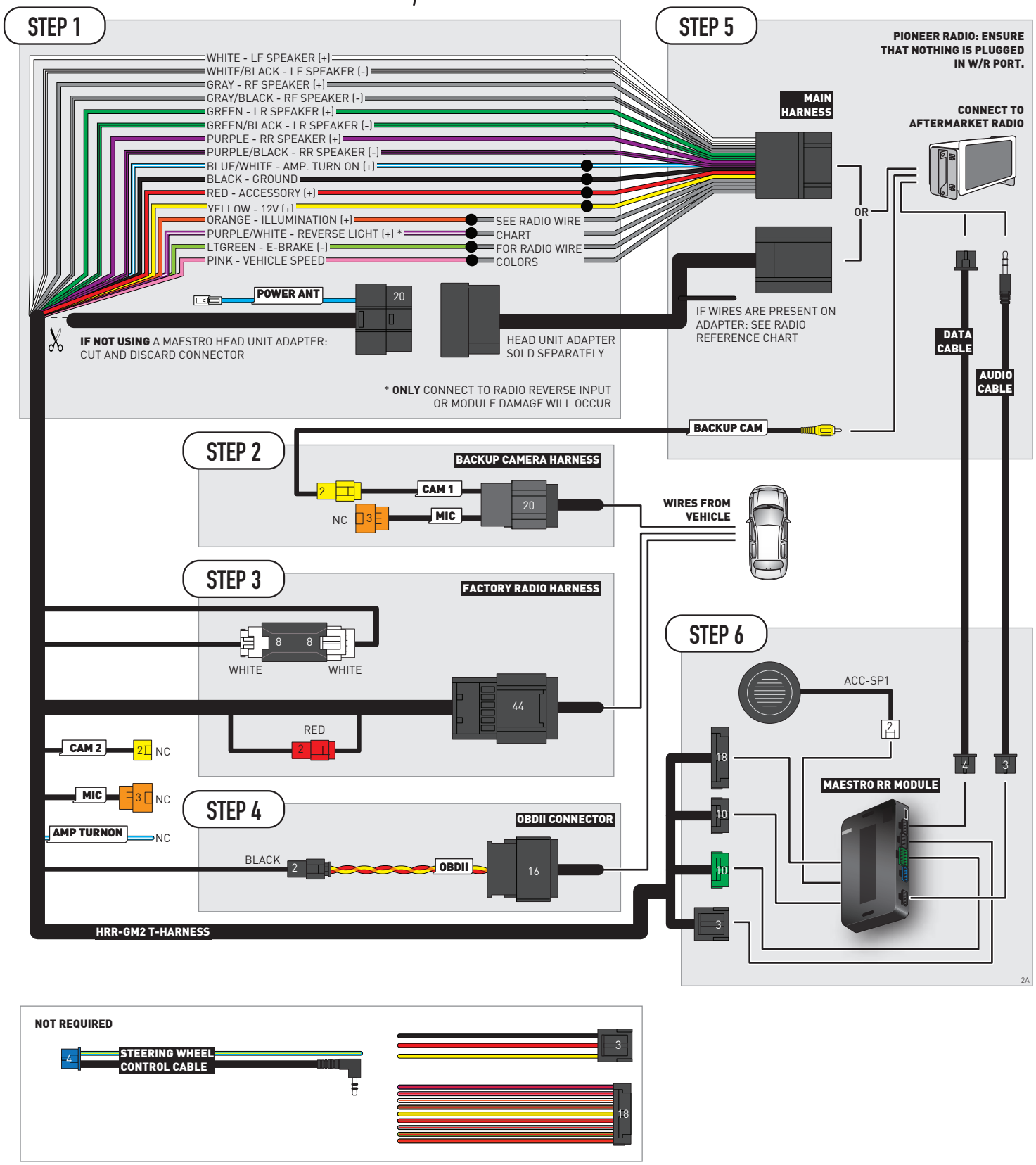
Chime Volume - Level from 0-9

Turn Signal Volume - 1-10

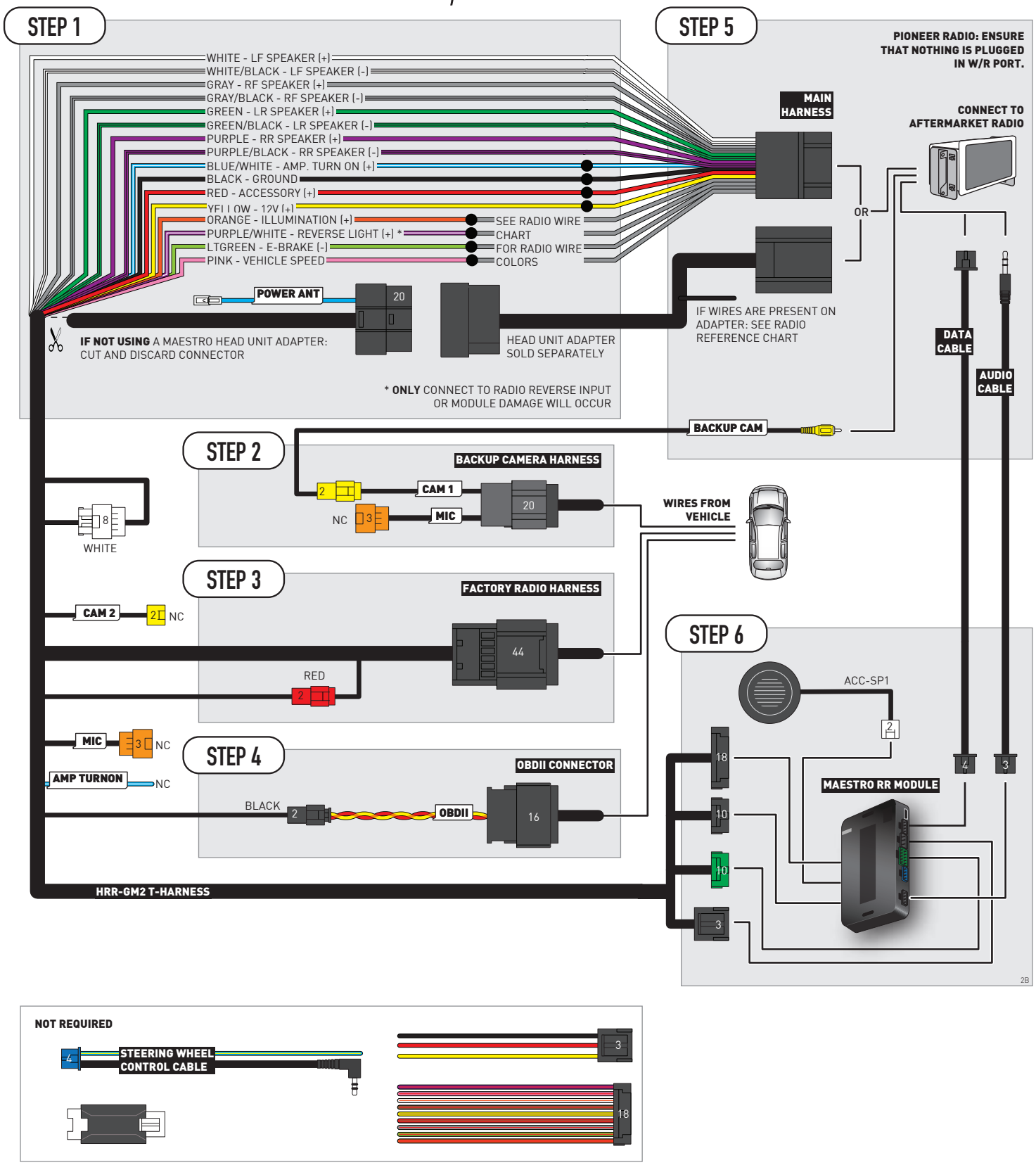
Turn Signal Reminder - Select "Click in speaker" for normal signal sounds. Select "Chime if left on" to only alert if turn signal is left on.

Automotive Data Solutions Inc. © 2023

WIRING DIAGRAM *with an Amplifier*



WIRING DIAGRAM *without an Amplifier*



RADIO WIRE REFERENCE CHART

GM5+ (GM2) T-harness Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/ JVC cable	Wire Color on Pioneer cable	Wire Color on Sony cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light*	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A
Power Antenna	(+)	Blue	Blue	Blue	Blue/White	Blue or Blue/White

Head unit adapter wiring (optional accessory, sold separately)

ACC-HU-ALP1 Wire Description	Polarity	Wire Color on Adapter	Alpine Radio
VSS (vehicle speed sensor)	(DATA)	Green/White	Green/White

ACC-HU-KEN1 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
CAM	(+)	Green/Red	Refer to camera/radio manual
CAM	(-)	Green/White	Refer to camera/radio manual
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

ACC-HU-KEN2 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
E-Brake	(-)	LtGreen	LtGreen
Reverse Light*	(+)	Purple/White	Purple/White
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

* Reverse light wire: Only connect to radio or module damage will occur.

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 (RR2) Bluetooth activity	LED STATUS	DIAGNOSTIC
● or ●		RED or GREEN flashing	LED flashes 1 or more times, either red or green, **when a steering wheel button is pressed** : normal operation.
●		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do NOT use DEMO MODE.
●		2 RED flashes	Problem detected. Consult troubleshooting table.
●		1 GREEN flash	After radio boots up : Normal operation.
	●	3 GREEN flashes	Bluetooth is activated. Turns off after one minute: Normal operation.
●	●	OFF	Normal operation (inactive).

VIDEO HELP		Installation, product information, vehicle specific videos.
VERIFY FLASH		Last flash information, steering control configuration, vehicle information.
WEBLINK		Software to program module.

TROUBLESHOOTING TABLE P1 /2

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure OBDII connector is securely attached to the OBD2 connector of the vehicle. If you hardwired connections at the OBDII, check connections at the OBDII connector. Make sure the **RED/BROWN** wire is on **PIN 6** and the **YELLOW/BROWN** wire is connected to **PIN 14** of the OBDII connector. Do not use T-Taps. Soldering or military splicing methods are recommended. If anything else is connected to the OBD2 or CAN wires of vehicle (programmer, throttle controller, insurance tracker, etc.) try unplugging it to see if gauges work. If gauges work without it installed, call tech support for options. Reset the RR.
No sound from Onstar or OEM Satellite (if equipped).	Make sure the audio cable is installed and inserted into the correct location on the radio.
Trying to use the OEM Satellite and get "Check Tuner" message.	In order to access the OEM Satellite you must go into the radio sources and look for the one that says "Satellite Radio". The SiriusXM source is not the same as the OEM Satellite source.
When listening to the OEM Satellite radio, the turn signals don't make the clicking noise, but they do in any other source.	This is normal. The audio for OEM Satellite radio and the turn signal clicks both come from the audio cable. The Maestro unit cannot process 2 different audio signals at the same time, so the OEM Satellite is priority.
There is no turn signal clicking noise.	Find OEM Setup in the radio settings. Under Vehicle Feature settings, look for Turn Signal Reminder. If it is set to "Chime If Left On", it will not click. If you wish to hear turn signal clicks, this setting must be set to "Click In Speaker".
No sound from the Bose system (If equipped).	Make sure the amplifier turn on wire (Blue/White) of the T-Harness is connected to the radio's amplifier turn on wire. When flashing the Maestro make sure that the Amplifier in OEM Systems to Retain is selected. Make sure the RCA's are connected to the radio or the speaker wires are connected depending on your installation method.
Vehicle had the Bose system and it was bypassed, now there are no chimes.	Remove the Maestro and reflash it, making sure you uncheck the Amplifier option in the OEM Systems section of the flash.
Audio is very quiet or very loud.	Non amplified vehicles: ensure the AMP adapter is NOT plugged in between the white 8 pin plugs. Amplified vehicles: ensure the AMP adapter IS plugged in between the white 8 pin plugs.
(Vehicle using a HRR-GM2 harness only) Backup camera is not working and displays a black screen on radio when in reverse.	Ensure the 2-pin yellow plug is connected as shown on the diagram.
The light on the Maestro is flashing **RED ONCE**.	There is no firmware on the module; flash the RR module.
The radio is **ON** and the light on the Maestro is blinking **RED TWICE**.	Ensure the 4-pin data cable is connected between the radio and the RR, and that it is plugged into the black port on the Maestro RR. The red and blue ports on the RR should be empty. Make sure the correct radio model and serial number were entered during the flash. Verify the radio's serial number entered during the flash matches what is listed on the radio screen. This can be found in the settings of the radio, listed as Device Id, Device Number, or Serial Number.
The light on the Maestro is blinking **RED TWICE** but radio **is NOT** turning on.	If installing a modular radio and it is not turning on, ensure the screen is secured and any trim pieces on the radio have been installed fully. Not installing these fully will prevent radio from powering up and show a 2x red error as well. Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.

TROUBLESHOOTING TABLE P2 /2

MAESTRO RR RESET PROCEDURE:

Turn the key to the OFF position, then disconnect all connectors from the module.
Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).
Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds to show the reset was successful.

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

IMPORTANT: To ensure proper operation, the aftermarket radio needs to have the latest firmware from the manufacturer. Please visit the radio manufacturer's website and look for any updates pertaining to your radio.

INSTALL GUIDE

2008-2023
CHEVROLET EXPRESS
WITHOUT NAV

RETAINS STEERING WHEEL CONTROLS, ONSTAR, BLUETOOTH, XM SATELLITE AND MORE!



PRODUCTS REQUIRED

iDatalink Maestro RR or RR2 Radio Replacement Interface
iDatalink Maestro HRR-GM5+ Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-GM05-DS

ADDITIONAL RESOURCES

Maestro RR2 Programmable Outputs Guide

OPTIONAL ACCESSORIES

K40 ELECTRONICS
ESCORT

Click here for:
Radar Installation Guides

ACC-SP1

HEAD UNIT ADAPTER:
ACC-HU-PIO1, SON1, KEN1, KEN2, ALP1

NOTICE: Automotive Data Solutions Inc. (ADS) recommends having this installation performed by a certified technician. Logos and trademarks used here in are the properties of their respective owners.

WELCOME

Congratulations on the purchase of your iDatalink Maestro RR Radio replacement solution. You are now a few simple steps away from enjoying your new car radio with enhanced features.

Before starting your installation, please ensure that your iDatalink Maestro module is programmed with the correct firmware for your vehicle and that you carefully review the install guide.

Please note that Maestro RR will only retain functionalities that were originally available in the vehicle.

TABLE OF CONTENTS

Before Installing	3
Installation Instructions	4
Wiring Diagram with an Amplifier	5
Wiring Diagram without an Amplifier	6
Radio Wire Reference Chart	7
Module Diagnostics	8
Troubleshooting Table	9

NEED HELP?

1 866 427-2999

maestro.support@idatalink.com

BEFORE INSTALLING P1 /1

STEP 1

DETERMINE IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

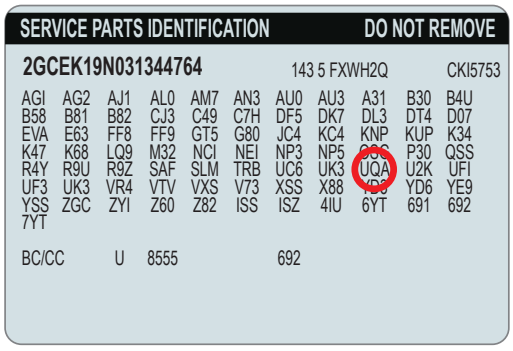
METHOD 1: Look for the following logos in the vehicle. They are usually on the speaker covers or on the radio unit. If you find any of the following logos Bose, Pioneer or Monsoon, you have a factory amplifier.

BOSE

Pioneer

MONSOON

METHOD 2: Look for the following sticker in the glove box. This sticker will indicate all the Regular Production Option (RPO) codes. If you find any of the following codes UQA, UQS or UQG, you have a factory amplifier.



STEP 2

IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **with an amplifier** and read the "**AMPLIFIER ONLY**" note to determine if you should use rca's or level matching circuits.

IF YOUR VEHICLE NOT IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **without an amplifier**.

Automotive Data Solutions Inc. © 2023

INSTALLATION INSTRUCTIONS P1/1

STEP 1

Remove the factory radio

If using head unit adapter (sold separately), connect HRR-GM5+ harness to adapter and skip to step 2.

- Unbox the aftermarket radio and locate its main harness.
- Cut and remove the black 20 pin connector from the HRR-GM5+ T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the HRR-GM5+ T-harness and match the wire functions.

  Note: only connect purple/white wire to radio reverse input or module damage will occur.

STEP 2

- Connect the factory harness to the HRR-GM5+ T-harness.
- Without AMP: Ensure that the WHITE 8 pin plugs are connected.
- With AMP: Connect the HRR-GM5+ 8 pin WHITE connectors to the AMP adapter.

STEP 3

- Connect HRR-GM5+ 2-pin black connector to black connector of OBDII extension harness.
- Plug the OBDII connector into the OBDII of the vehicle, under driver dash.

STEP 4

- Plug the harnesses into the aftermarket radio.
- Connect the backup camera RCA cable into the aftermarket radio.
- With AMP: Connect the Center and SUB RCA cables.
- Plug the Data cable to the data port of the aftermarket radio.
- Insert the Audio cable into the iDatalink 3.5 mm audio jack of the aftermarket radio (if there is no iDatalink audio input, connect to AUX).

  Note: On Pioneer radio, ensure that there is nothing plugged into the W/R port.

STEP 5

- Connect the ACC-SP1 speaker to Maestro module.
- Connect all the harnesses to the Maestro RR module then test your installation.

OnStar or warning chime adjust (Audio in vehicle speakers):

- Turn ignition (IGN) on
- Open driver's door

Select to adjust:

OnStar level - Press OnStar button.

Warning chime level - turn headlight switch to parking light position (not AUTO).

- Adjust volume using steering wheel volume up/down OR dimmer switch. If using dimmer switch, ensure headlight switch is NOT set to AUTO.

OnStar, turn signal, or warning chime adjust (Audio in GM5+ speaker):

- Find "OEM setup" menu in radio settings.

Under "Vehicle Features", select to adjust:

Onstar Volume - Level from 0-9

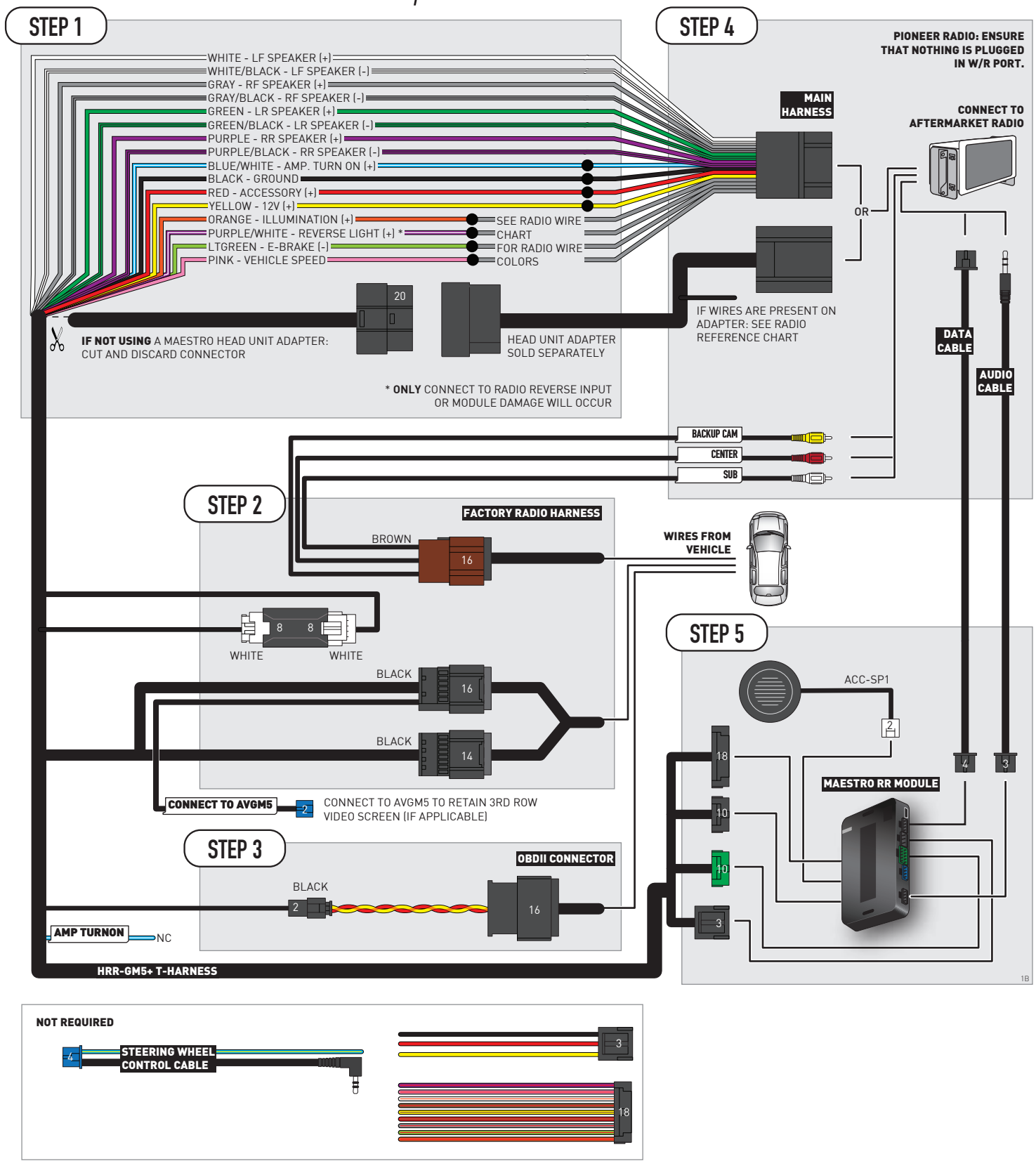
Chime Volume - Level from 0-9

Turn Signal Volume - 1-10

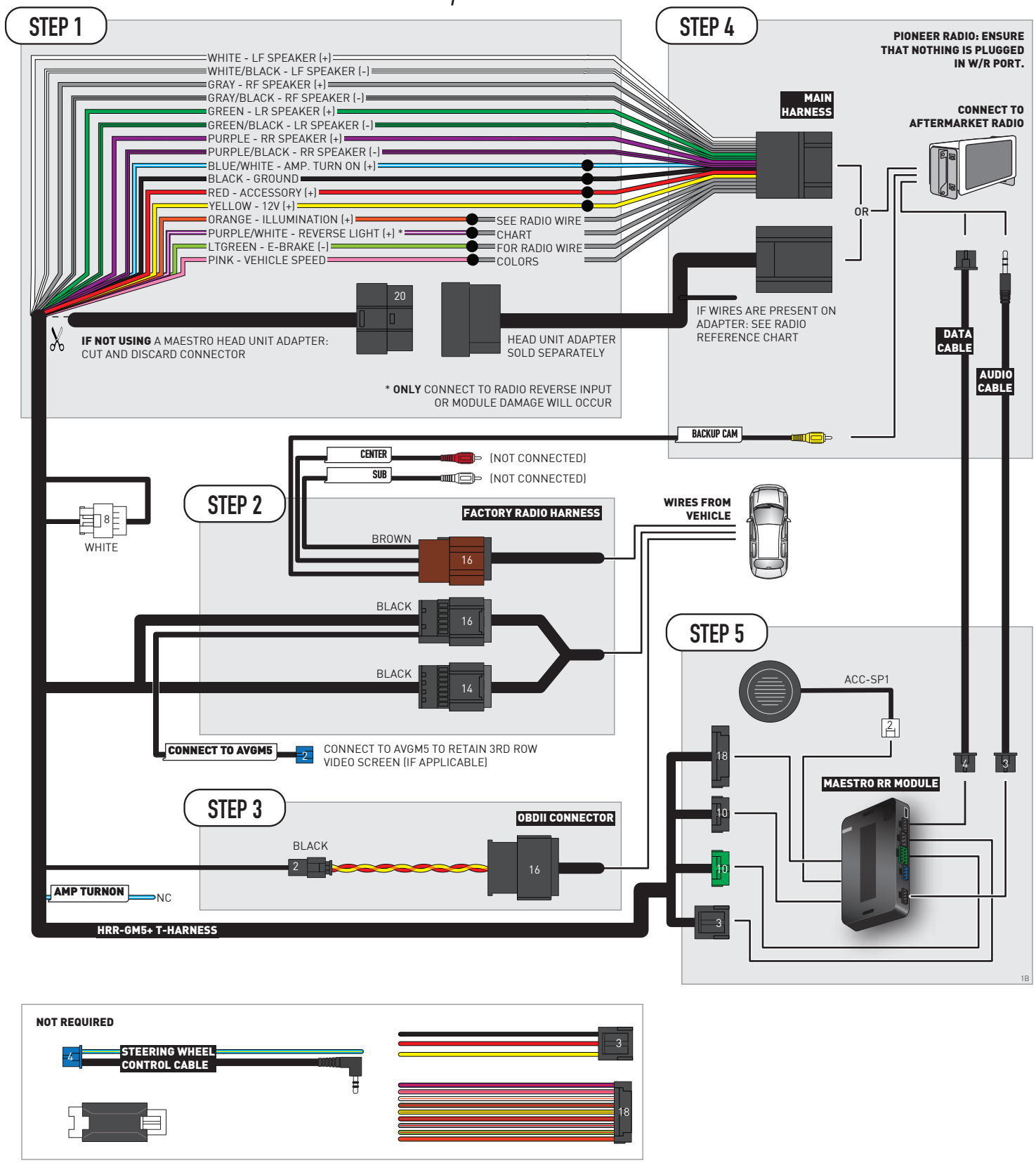
Turn Signal Reminder - Select "Click in speaker" for normal signal sounds. Select "Chime if left on" to only alert if turn signal is left on.

1

WIRING DIAGRAM *with an Amplifier*



WIRING DIAGRAM *without an Amplifier*



RADIO WIRE REFERENCE CHART

GM5+ (GM2) T-harness Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/ JVC cable	Wire Color on Pioneer cable	Wire Color on Sony cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light*	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A
Power Antenna	(+)	Blue	Blue	Blue	Blue/White	Blue or Blue/White

Head unit adapter wiring (optional accessory, sold separately)

ACC-HU-ALP1 Wire Description	Polarity	Wire Color on Adapter	Alpine Radio
VSS (vehicle speed sensor)	(DATA)	Green/White	Green/White

ACC-HU-KEN1 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
CAM	(+)	Green/Red	Refer to camera/radio manual
CAM	(-)	Green/White	Refer to camera/radio manual
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

ACC-HU-KEN2 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
E-Brake	(-)	LtGreen	LtGreen
Reverse Light*	(+)	Purple/White	Purple/White
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

* Reverse light wire: Only connect to radio or module damage will occur.

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 (RR2) Bluetooth activity	LED STATUS	DIAGNOSTIC
● or ●		RED or GREEN flashing	LED flashes 1 or more times, either red or green, **when a steering wheel button is pressed** : normal operation.
●		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do NOT use DEMO MODE.
●		2 RED flashes	Problem detected. Consult troubleshooting table.
●		1 GREEN flash	After radio boots up : Normal operation.
	●	3 GREEN flashes	Bluetooth is activated. Turns off after one minute: Normal operation.
●	●	OFF	Normal operation (inactive).

VIDEO HELP		Installation, product information, vehicle specific videos.
VERIFY FLASH		Last flash information, steering control configuration, vehicle information.
WEBLINK		Software to program module.

TROUBLESHOOTING TABLE P1 /2

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure OBDII connector is securely attached to the OBD2 connector of the vehicle. If you hardwired connections at the OBDII, check connections at the OBDII connector. Make sure the **RED/BROWN** wire is on **PIN 6** and the **YELLOW/BROWN** wire is connected to **PIN 14** of the OBDII connector. Do not use T-Taps. Soldering or military splicing methods are recommended. If anything else is connected to the OBD2 or CAN wires of vehicle (programmer, throttle controller, insurance tracker, etc.) try unplugging it to see if gauges work. If gauges work without it installed, call tech support for options. Reset the RR.
No sound from Onstar or OEM Satellite (if equipped).	Make sure the audio cable is installed and inserted into the correct location on the radio.
Trying to use the OEM Satellite and get "Check Tuner" message.	In order to access the OEM Satellite you must go into the radio sources and look for the one that says "Satellite Radio". The SiriusXM source is not the same as the OEM Satellite source.
When listening to the OEM Satellite radio, the turn signals don't make the clicking noise, but they do in any other source.	This is normal. The audio for OEM Satellite radio and the turn signal clicks both come from the audio cable. The Maestro unit cannot process 2 different audio signals at the same time, so the OEM Satellite is priority.
There is no turn signal clicking noise.	Find OEM Setup in the radio settings. Under Vehicle Feature settings, look for Turn Signal Reminder. If it is set to "Chime If Left On", it will not click. If you wish to hear turn signal clicks, this setting must be set to "Click In Speaker".
No sound from the Bose system (If equipped).	Make sure the amplifier turn on wire (Blue/White) of the T-Harness is connected to the radio's amplifier turn on wire. When flashing the Maestro make sure that the Amplifier in OEM Systems to Retain is selected. Make sure the RCA's are connected to the radio or the speaker wires are connected depending on your installation method.
Vehicle had the Bose system and it was bypassed, now there are no chimes.	Remove the Maestro and reflash it, making sure you uncheck the Amplifier option in the OEM Systems section of the flash.
Audio is very quiet or very loud.	Non amplified vehicles: ensure the AMP adapter is NOT plugged in between the white 8 pin plugs. Amplified vehicles: ensure the AMP adapter IS plugged in between the white 8 pin plugs.
(Vehicle using a HRR-GM2 harness only) Backup camera is not working and displays a black screen on radio when in reverse.	Ensure the 2-pin yellow plug is connected as shown on the diagram.
The light on the Maestro is flashing **RED ONCE**.	There is no firmware on the module; flash the RR module.
The radio is **ON** and the light on the Maestro is blinking **RED TWICE**.	Ensure the 4-pin data cable is connected between the radio and the RR, and that it is plugged into the black port on the Maestro RR. The red and blue ports on the RR should be empty. Make sure the correct radio model and serial number were entered during the flash. Verify the radio's serial number entered during the flash matches what is listed on the radio screen. This can be found in the settings of the radio, listed as Device Id, Device Number, or Serial Number.
The light on the Maestro is blinking **RED TWICE** but radio **is NOT** turning on.	If installing a modular radio and it is not turning on, ensure the screen is secured and any trim pieces on the radio have been installed fully. Not installing these fully will prevent radio from powering up and show a 2x red error as well. Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.

TROUBLESHOOTING TABLE P2 /2

MAESTRO RR RESET PROCEDURE:

Turn the key to the OFF position, then disconnect all connectors from the module.
Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).
Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds to show the reset was successful.

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

IMPORTANT: To ensure proper operation, the aftermarket radio needs to have the latest firmware from the manufacturer. Please visit the radio manufacturer's website and look for any updates pertaining to your radio.

INSTALL GUIDE

2006-2013
CHEVROLET IMPALA

RETAINS STEERING WHEEL CONTROLS, ONSTAR, BLUETOOTH, XM SATELLITE AND MORE!



PRODUCTS REQUIRED

iDatalink Maestro RR or RR2 Radio Replacement Interface
iDatalink Maestro HRR-GM5+ Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-GM05-DS

ADDITIONAL RESOURCES

Maestro RR2 Programmable Outputs Guide

OPTIONAL ACCESSORIES

K40 ELECTRONICS
ESCORT

Click here for:
Radar Installation Guides

ACC-SP1

HEAD UNIT ADAPTER:
ACC-HU-PIO1, SON1, KEN1, KEN2, ALP1

NOTICE: Automotive Data Solutions Inc. (ADS) recommends having this installation performed by a certified technician. Logos and trademarks used here in are the properties of their respective owners.

WELCOME

Congratulations on the purchase of your iDatalink Maestro RR Radio replacement solution. You are now a few simple steps away from enjoying your new car radio with enhanced features.

Before starting your installation, please ensure that your iDatalink Maestro module is programmed with the correct firmware for your vehicle and that you carefully review the install guide.

Please note that Maestro RR will only retain functionalities that were originally available in the vehicle.

TABLE OF CONTENTS

Before Installing	3
Installation Instructions	4
Wiring Diagram with an Amplifier	5
Wiring Diagram without an Amplifier	6
Radio Wire Reference Chart	7
Module Diagnostics	8
Troubleshooting Table	9

NEED HELP?

1 866 427-2999

maestro.support@idatalink.com

BEFORE INSTALLING P1 /1

STEP 1

DETERMINE IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

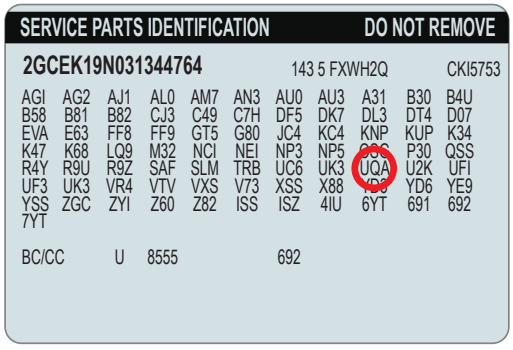
METHOD 1: Look for the following logos in the vehicle. They are usually on the speaker covers or on the radio unit. If you find any of the following logos Bose, Pioneer or Monsoon, you have a factory amplifier.

BOSE

Pioneer

MONSOON

METHOD 2: Look for the following sticker in the glove box. This sticker will indicate all the Regular Production Option (RPO) codes. If you find any of the following codes UQA, UQS or UQG, you have a factory amplifier.



STEP 2

IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **with an amplifier** and read the "**AMPLIFIER ONLY**" note to determine if you should use rca's or level matching circuits.

IF YOUR VEHICLE NOT IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **without an amplifier**.

Automotive Data Solutions Inc. © 2023

INSTALLATION INSTRUCTIONS P1/1

STEP 1

Remove the factory radio

If using head unit adapter (sold separately), connect HRR-GM5+ harness to adapter and skip to step 2.

- Unbox the aftermarket radio and locate its main harness.
- Cut and remove the black 20 pin connector from the HRR-GM5+ T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the HRR-GM5+ T-harness and match the wire functions.

  Note: only connect purple/white wire to radio reverse input or module damage will occur.

STEP 2

- Connect the factory harness to the HRR-GM5+ T-harness.
- Without AMP: Ensure that the WHITE 8 pin plugs are connected.
- With AMP: Connect the HRR-GM5+ 8 pin WHITE connectors to the AMP adapter.

STEP 3

- Connect HRR-GM5+ 2-pin black connector to black connector of OBDII extension harness.
- Plug the OBDII connector into the OBDII of the vehicle, under driver dash.

STEP 4

- Plug the harnesses into the aftermarket radio.
- Connect the backup camera RCA cable into the aftermarket radio.
- With AMP: Connect the Center and SUB RCA cables.
- Plug the Data cable to the data port of the aftermarket radio.
- Insert the Audio cable into the iDatalink 3.5 mm audio jack of the aftermarket radio (if there is no iDatalink audio input, connect to AUX).

  Note: On Pioneer radio, ensure that there is nothing plugged into the W/R port.

STEP 5

- Connect the ACC-SP1 speaker to Maestro module.
- Connect all the harnesses to the Maestro RR module then test your installation.

OnStar or warning chime adjust (Audio in vehicle speakers):

- Turn ignition (IGN) on
- Open driver's door

Select to adjust:

OnStar level - Press OnStar button.

Warning chime level - turn headlight switch to parking light position (not AUTO).

- Adjust volume using steering wheel volume up/down OR dimmer switch. If using dimmer switch, ensure headlight switch is NOT set to AUTO.

OnStar, turn signal, or warning chime adjust (Audio in GM5+ speaker):

- Find "OEM setup" menu in radio settings.

Under "Vehicle Features", select to adjust:

Onstar Volume - Level from 0-9

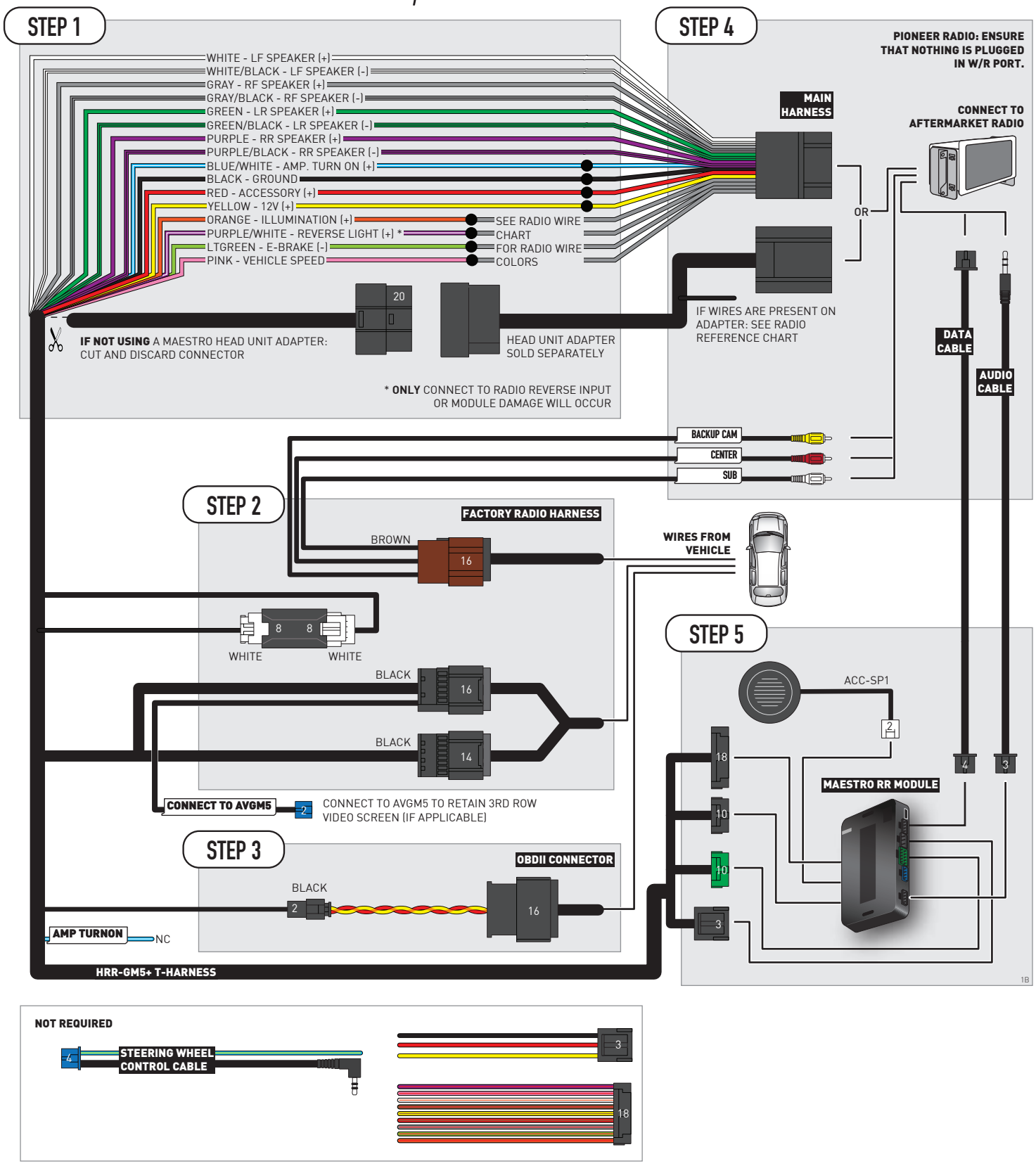
Chime Volume - Level from 0-9

Turn Signal Volume - 1-10

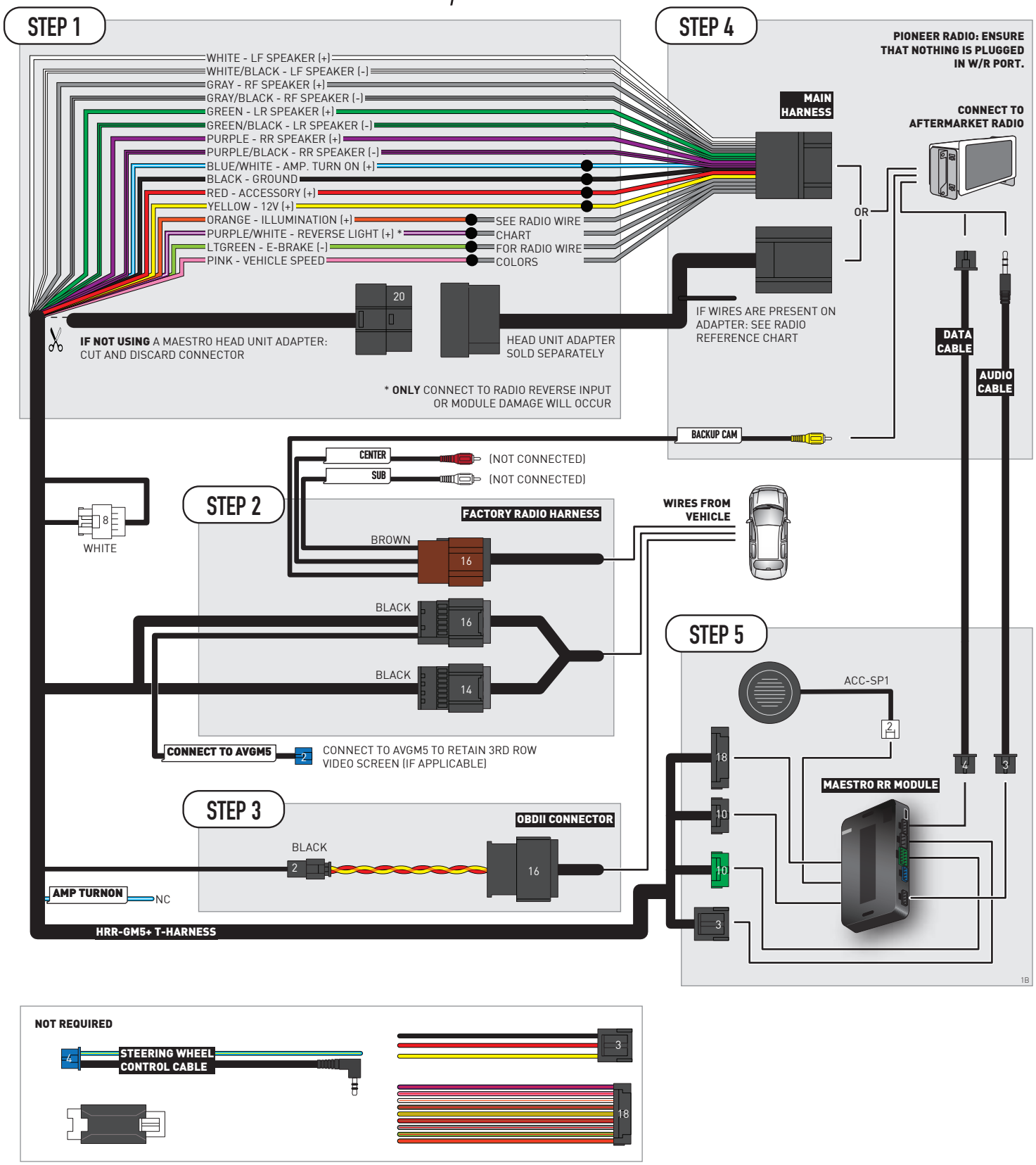
Turn Signal Reminder - Select "Click in speaker" for normal signal sounds. Select "Chime if left on" to only alert if turn signal is left on.

1

WIRING DIAGRAM *with an Amplifier*



WIRING DIAGRAM *without an Amplifier*



RADIO WIRE REFERENCE CHART

GM5+ (GM2) T-harness Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/ JVC cable	Wire Color on Pioneer cable	Wire Color on Sony cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light*	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A
Power Antenna	(+)	Blue	Blue	Blue	Blue/White	Blue or Blue/White

Head unit adapter wiring (optional accessory, sold separately)

ACC-HU-ALP1 Wire Description	Polarity	Wire Color on Adapter	Alpine Radio
VSS (vehicle speed sensor)	(DATA)	Green/White	Green/White

ACC-HU-KEN1 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
CAM	(+)	Green/Red	Refer to camera/radio manual
CAM	(-)	Green/White	Refer to camera/radio manual
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

ACC-HU-KEN2 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
E-Brake	(-)	LtGreen	LtGreen
Reverse Light*	(+)	Purple/White	Purple/White
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

* Reverse light wire: Only connect to radio or module damage will occur.

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 (RR2) Bluetooth activity	LED STATUS	DIAGNOSTIC
● or ●		RED or GREEN flashing	LED flashes 1 or more times, either red or green, **when a steering wheel button is pressed** : normal operation.
●		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do NOT use DEMO MODE.
●		2 RED flashes	Problem detected. Consult troubleshooting table.
●		1 GREEN flash	After radio boots up : Normal operation.
	●	3 GREEN flashes	Bluetooth is activated. Turns off after one minute: Normal operation.
●	●	OFF	Normal operation (inactive).

VIDEO HELP		Installation, product information, vehicle specific videos.
VERIFY FLASH		Last flash information, steering control configuration, vehicle information.
WEBLINK		Software to program module.

TROUBLESHOOTING TABLE P1 /2

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure OBDII connector is securely attached to the OBD2 connector of the vehicle. If you hardwired connections at the OBDII, check connections at the OBDII connector. Make sure the **RED/BROWN** wire is on **PIN 6** and the **YELLOW/BROWN** wire is connected to **PIN 14** of the OBDII connector. Do not use T-Taps. Soldering or military splicing methods are recommended. If anything else is connected to the OBD2 or CAN wires of vehicle (programmer, throttle controller, insurance tracker, etc.) try unplugging it to see if gauges work. If gauges work without it installed, call tech support for options. Reset the RR.
No sound from Onstar or OEM Satellite (if equipped).	Make sure the audio cable is installed and inserted into the correct location on the radio.
Trying to use the OEM Satellite and get "Check Tuner" message.	In order to access the OEM Satellite you must go into the radio sources and look for the one that says "Satellite Radio". The SiriusXM source is not the same as the OEM Satellite source.
When listening to the OEM Satellite radio, the turn signals don't make the clicking noise, but they do in any other source.	This is normal. The audio for OEM Satellite radio and the turn signal clicks both come from the audio cable. The Maestro unit cannot process 2 different audio signals at the same time, so the OEM Satellite is priority.
There is no turn signal clicking noise.	Find OEM Setup in the radio settings. Under Vehicle Feature settings, look for Turn Signal Reminder. If it is set to "Chime If Left On", it will not click. If you wish to hear turn signal clicks, this setting must be set to "Click In Speaker".
No sound from the Bose system (If equipped).	Make sure the amplifier turn on wire (Blue/White) of the T-Harness is connected to the radio's amplifier turn on wire. When flashing the Maestro make sure that the Amplifier in OEM Systems to Retain is selected. Make sure the RCA's are connected to the radio or the speaker wires are connected depending on your installation method.
Vehicle had the Bose system and it was bypassed, now there are no chimes.	Remove the Maestro and reflash it, making sure you uncheck the Amplifier option in the OEM Systems section of the flash.
Audio is very quiet or very loud.	Non amplified vehicles: ensure the AMP adapter is NOT plugged in between the white 8 pin plugs. Amplified vehicles: ensure the AMP adapter IS plugged in between the white 8 pin plugs.
(Vehicle using a HRR-GM2 harness only) Backup camera is not working and displays a black screen on radio when in reverse.	Ensure the 2-pin yellow plug is connected as shown on the diagram.
The light on the Maestro is flashing **RED ONCE**.	There is no firmware on the module; flash the RR module.
The radio is **ON** and the light on the Maestro is blinking **RED TWICE**.	Ensure the 4-pin data cable is connected between the radio and the RR, and that it is plugged into the black port on the Maestro RR. The red and blue ports on the RR should be empty. Make sure the correct radio model and serial number were entered during the flash. Verify the radio's serial number entered during the flash matches what is listed on the radio screen. This can be found in the settings of the radio, listed as Device Id, Device Number, or Serial Number.
The light on the Maestro is blinking **RED TWICE** but radio **is NOT** turning on.	If installing a modular radio and it is not turning on, ensure the screen is secured and any trim pieces on the radio have been installed fully. Not installing these fully will prevent radio from powering up and show a 2x red error as well. Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.

TROUBLESHOOTING TABLE P2 /2

MAESTRO RR RESET PROCEDURE:

Turn the key to the OFF position, then disconnect all connectors from the module.
Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).
Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds to show the reset was successful.

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

IMPORTANT: To ensure proper operation, the aftermarket radio needs to have the latest firmware from the manufacturer. Please visit the radio manufacturer's website and look for any updates pertaining to your radio.

INSTALL GUIDE

2014-2016
CHEVROLET IMPALA LIMITED

RETAINS STEERING WHEEL CONTROLS, ONSTAR, BLUETOOTH, XM SATELLITE AND MORE!



PRODUCTS REQUIRED

iDatalink Maestro RR or RR2 Radio Replacement Interface
iDatalink Maestro HRR-GM5+ Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-GM05-DS

ADDITIONAL RESOURCES

Maestro RR2 Programmable Outputs Guide

OPTIONAL ACCESSORIES

K40 ELECTRONICS
ESCORT

Click here for:
Radar Installation Guides

ACC-SP1

HEAD UNIT ADAPTER:
ACC-HU-PIO1, SON1, KEN1, KEN2, ALP1

NOTICE: Automotive Data Solutions Inc. (ADS) recommends having this installation performed by a certified technician. Logos and trademarks used here in are the properties of their respective owners.

WELCOME

Congratulations on the purchase of your iDatalink Maestro RR Radio replacement solution. You are now a few simple steps away from enjoying your new car radio with enhanced features.

Before starting your installation, please ensure that your iDatalink Maestro module is programmed with the correct firmware for your vehicle and that you carefully review the install guide.

Please note that Maestro RR will only retain functionalities that were originally available in the vehicle.

TABLE OF CONTENTS

Before Installing	3
Installation Instructions	4
Wiring Diagram with an Amplifier	5
Wiring Diagram without an Amplifier	6
Radio Wire Reference Chart	7
Module Diagnostics	8
Troubleshooting Table	9

NEED HELP?

1 866 427-2999

maestro.support@idatalink.com

BEFORE INSTALLING P1 /1

STEP 1

DETERMINE IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

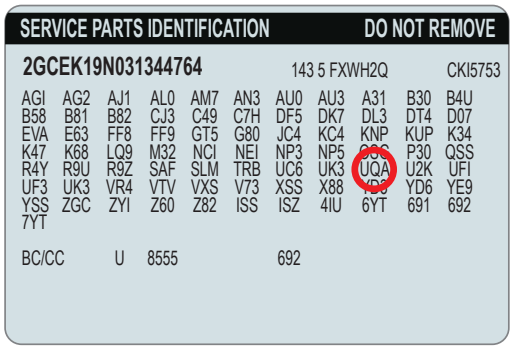
METHOD 1: Look for the following logos in the vehicle. They are usually on the speaker covers or on the radio unit. If you find any of the following logos Bose, Pioneer or Monsoon, you have a factory amplifier.

BOSE

Pioneer

MONSOON

METHOD 2: Look for the following sticker in the glove box. This sticker will indicate all the Regular Production Option (RPO) codes. If you find any of the following codes UQA, UQS or UQG, you have a factory amplifier.



STEP 2

IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **with an amplifier** and read the "**AMPLIFIER ONLY**" note to determine if you should use rca's or level matching circuits.

IF YOUR VEHICLE NOT IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **without an amplifier**.

Automotive Data Solutions Inc. © 2023

INSTALLATION INSTRUCTIONS P1/1

STEP 1

Remove the factory radio

If using head unit adapter (sold separately), connect HRR-GM5+ harness to adapter and skip to step 2.

- Unbox the aftermarket radio and locate its main harness.
- Cut and remove the black 20 pin connector from the HRR-GM5+ T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the HRR-GM5+ T-harness and match the wire functions.

  Note: only connect purple/white wire to radio reverse input or module damage will occur.

STEP 2

- Connect the factory harness to the HRR-GM5+ T-harness.
- Without AMP: Ensure that the WHITE 8 pin plugs are connected.
- With AMP: Connect the HRR-GM5+ 8 pin WHITE connectors to the AMP adapter.

STEP 3

- Connect HRR-GM5+ 2-pin black connector to black connector of OBDII extension harness.
- Plug the OBDII connector into the OBDII of the vehicle, under driver dash.

STEP 4

- Plug the harnesses into the aftermarket radio.
- Connect the backup camera RCA cable into the aftermarket radio.
- With AMP: Connect the Center and SUB RCA cables.
- Plug the Data cable to the data port of the aftermarket radio.
- Insert the Audio cable into the iDatalink 3.5 mm audio jack of the aftermarket radio (if there is no iDatalink audio input, connect to AUX).

  Note: On Pioneer radio, ensure that there is nothing plugged into the W/R port.

STEP 5

- Connect the ACC-SP1 speaker to Maestro module.
- Connect all the harnesses to the Maestro RR module then test your installation.

OnStar or warning chime adjust (Audio in vehicle speakers):

- Turn ignition (IGN) on
- Open driver's door

Select to adjust:

OnStar level - Press OnStar button.

Warning chime level - turn headlight switch to parking light position (not AUTO).

- Adjust volume using steering wheel volume up/down OR dimmer switch. If using dimmer switch, ensure headlight switch is NOT set to AUTO.

OnStar, turn signal, or warning chime adjust (Audio in GM5+ speaker):

- Find "OEM setup" menu in radio settings.

Under "Vehicle Features", select to adjust:

Onstar Volume - Level from 0-9

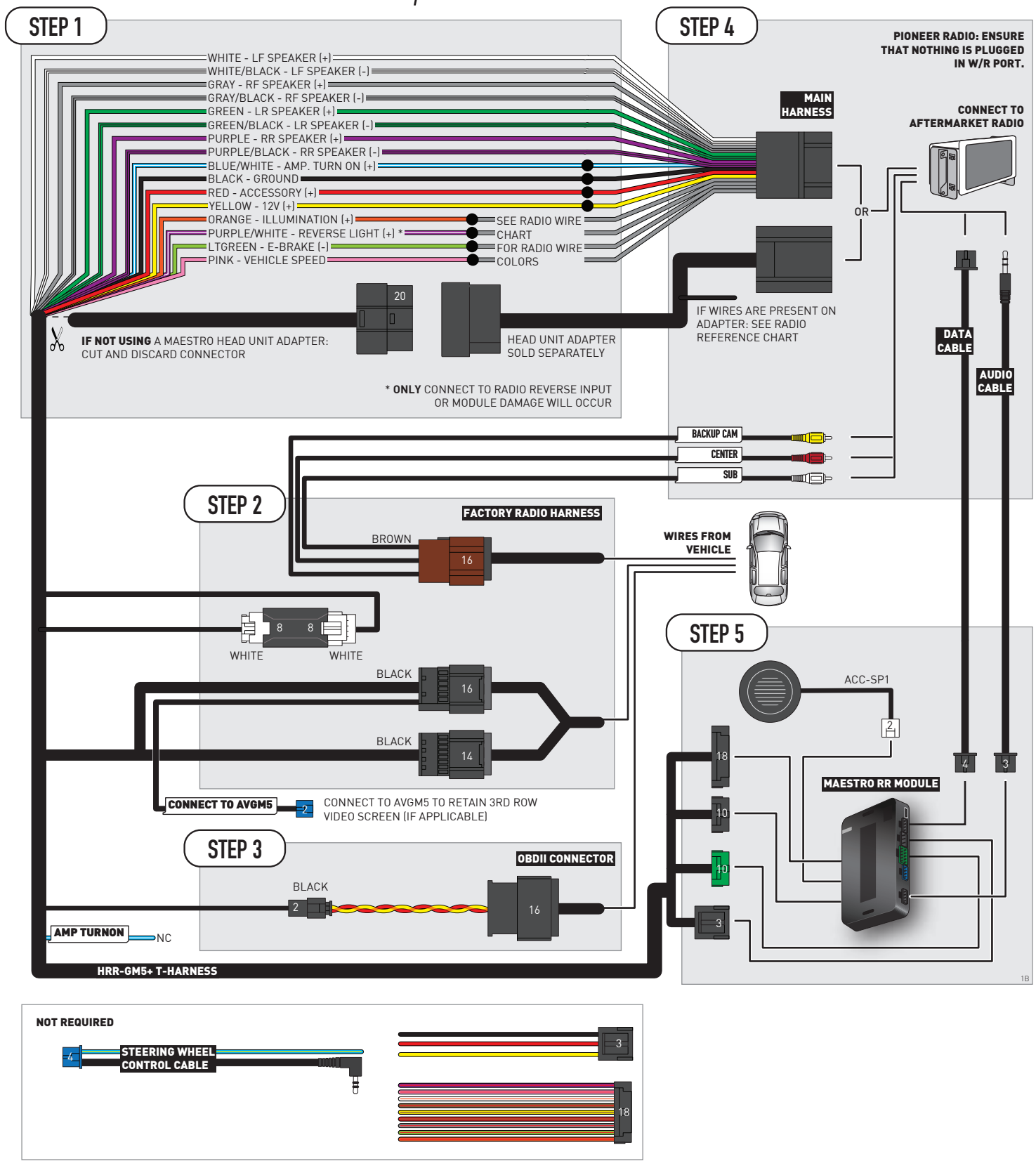
Chime Volume - Level from 0-9

Turn Signal Volume - 1-10

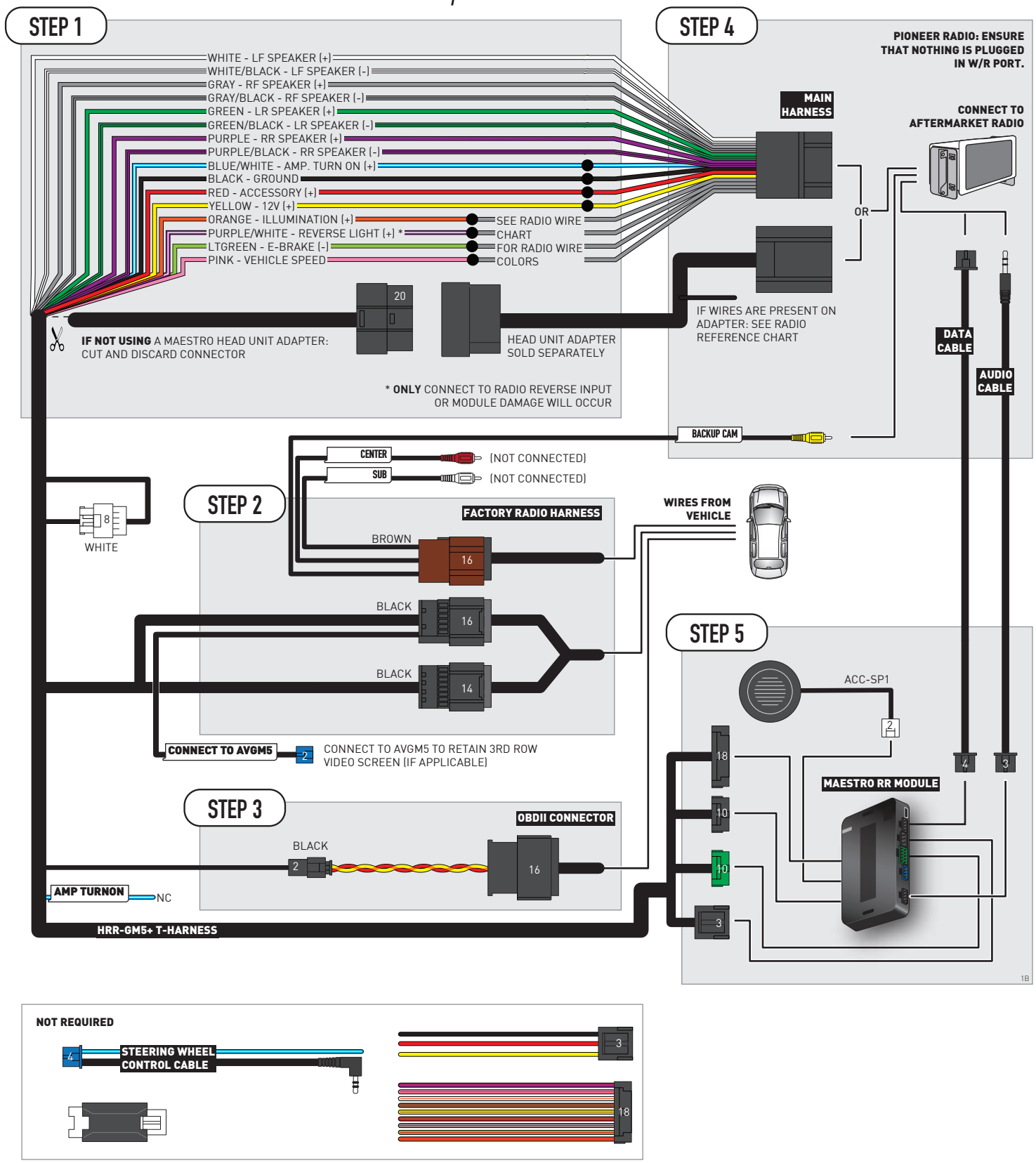
Turn Signal Reminder - Select "Click in speaker" for normal signal sounds. Select "Chime if left on" to only alert if turn signal is left on.

Automotive Data Solutions Inc. © 2023

WIRING DIAGRAM *with an Amplifier*



WIRING DIAGRAM *without an Amplifier*



RADIO WIRE REFERENCE CHART

GM5+ (GM2) T-harness Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/ JVC cable	Wire Color on Pioneer cable	Wire Color on Sony cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light*	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A
Power Antenna	(+)	Blue	Blue	Blue	Blue/White	Blue or Blue/White

Head unit adapter wiring (optional accessory, sold separately)

ACC-HU-ALP1 Wire Description	Polarity	Wire Color on Adapter	Alpine Radio
VSS (vehicle speed sensor)	(DATA)	Green/White	Green/White

ACC-HU-KEN1 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
CAM	(+)	Green/Red	Refer to camera/radio manual
CAM	(-)	Green/White	Refer to camera/radio manual
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

ACC-HU-KEN2 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
E-Brake	(-)	LtGreen	LtGreen
Reverse Light*	(+)	Purple/White	Purple/White
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

* Reverse light wire: Only connect to radio or module damage will occur.

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 (RR2) Bluetooth activity	LED STATUS	DIAGNOSTIC
● or ●		RED or GREEN flashing	LED flashes 1 or more times, either red or green, **when a steering wheel button is pressed** : normal operation.
●		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do NOT use DEMO MODE.
●		2 RED flashes	Problem detected. Consult troubleshooting table.
●		1 GREEN flash	After radio boots up : Normal operation.
	●	3 GREEN flashes	Bluetooth is activated. Turns off after one minute: Normal operation.
●	●	OFF	Normal operation (inactive).

VIDEO HELP		Installation, product information, vehicle specific videos.
VERIFY FLASH		Last flash information, steering control configuration, vehicle information.
WEBLINK		Software to program module.

TROUBLESHOOTING TABLE P1 /2

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure OBDII connector is securely attached to the OBD2 connector of the vehicle. If you hardwired connections at the OBDII, check connections at the OBDII connector. Make sure the **RED/BROWN** wire is on **PIN 6** and the **YELLOW/BROWN** wire is connected to **PIN 14** of the OBDII connector. Do not use T-Taps. Soldering or military splicing methods are recommended. If anything else is connected to the OBD2 or CAN wires of vehicle (programmer, throttle controller, insurance tracker, etc.) try unplugging it to see if gauges work. If gauges work without it installed, call tech support for options. Reset the RR.
No sound from Onstar or OEM Satellite (if equipped).	Make sure the audio cable is installed and inserted into the correct location on the radio.
Trying to use the OEM Satellite and get "Check Tuner" message.	In order to access the OEM Satellite you must go into the radio sources and look for the one that says "Satellite Radio". The SiriusXM source is not the same as the OEM Satellite source.
When listening to the OEM Satellite radio, the turn signals don't make the clicking noise, but they do in any other source.	This is normal. The audio for OEM Satellite radio and the turn signal clicks both come from the audio cable. The Maestro unit cannot process 2 different audio signals at the same time, so the OEM Satellite is priority.
There is no turn signal clicking noise.	Find OEM Setup in the radio settings. Under Vehicle Feature settings, look for Turn Signal Reminder. If it is set to "Chime If Left On", it will not click. If you wish to hear turn signal clicks, this setting must be set to "Click In Speaker".
No sound from the Bose system (If equipped).	Make sure the amplifier turn on wire (Blue/White) of the T-Harness is connected to the radio's amplifier turn on wire. When flashing the Maestro make sure that the Amplifier in OEM Systems to Retain is selected. Make sure the RCA's are connected to the radio or the speaker wires are connected depending on your installation method.
Vehicle had the Bose system and it was bypassed, now there are no chimes.	Remove the Maestro and reflash it, making sure you uncheck the Amplifier option in the OEM Systems section of the flash.
Audio is very quiet or very loud.	Non amplified vehicles: ensure the AMP adapter is NOT plugged in between the white 8 pin plugs. Amplified vehicles: ensure the AMP adapter IS plugged in between the white 8 pin plugs.
(Vehicle using a HRR-GM2 harness only) Backup camera is not working and displays a black screen on radio when in reverse.	Ensure the 2-pin yellow plug is connected as shown on the diagram.
The light on the Maestro is flashing **RED ONCE**.	There is no firmware on the module; flash the RR module.
The radio is **ON** and the light on the Maestro is blinking **RED TWICE**.	Ensure the 4-pin data cable is connected between the radio and the RR, and that it is plugged into the black port on the Maestro RR. The red and blue ports on the RR should be empty. Make sure the correct radio model and serial number were entered during the flash. Verify the radio's serial number entered during the flash matches what is listed on the radio screen. This can be found in the settings of the radio, listed as Device Id, Device Number, or Serial Number.
The light on the Maestro is blinking **RED TWICE** but radio **is NOT** turning on.	If installing a modular radio and it is not turning on, ensure the screen is secured and any trim pieces on the radio have been installed fully. Not installing these fully will prevent radio from powering up and show a 2x red error as well. Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.

TROUBLESHOOTING TABLE P2 /2

MAESTRO RR RESET PROCEDURE:

Turn the key to the OFF position, then disconnect all connectors from the module.
Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).
Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds to show the reset was successful.

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

IMPORTANT: To ensure proper operation, the aftermarket radio needs to have the latest firmware from the manufacturer. Please visit the radio manufacturer's website and look for any updates pertaining to your radio.

INSTALL GUIDE

2006-2007
CHEVROLET MONTE CARLO

RETAINS STEERING WHEEL CONTROLS, ONSTAR, BLUETOOTH, XM SATELLITE AND MORE!



PRODUCTS REQUIRED

iDatalink Maestro RR or RR2 Radio Replacement Interface
iDatalink Maestro HRR-GM5+ Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-GM05-DS

ADDITIONAL RESOURCES

Maestro RR2 Programmable Outputs Guide

OPTIONAL ACCESSORIES

K40 ELECTRONICS
ESCORT

Click here for:
Radar Installation Guides

ACC-SP1

HEAD UNIT ADAPTER:
ACC-HU-PIO1, SON1, KEN1, KEN2, ALP1

NOTICE: Automotive Data Solutions Inc. (ADS) recommends having this installation performed by a certified technician. Logos and trademarks used here in are the properties of their respective owners.

WELCOME

Congratulations on the purchase of your iDatalink Maestro RR Radio replacement solution. You are now a few simple steps away from enjoying your new car radio with enhanced features.

Before starting your installation, please ensure that your iDatalink Maestro module is programmed with the correct firmware for your vehicle and that you carefully review the install guide.

Please note that Maestro RR will only retain functionalities that were originally available in the vehicle.

TABLE OF CONTENTS

Before Installing	3
Installation Instructions	4
Wiring Diagram with an Amplifier	5
Wiring Diagram without an Amplifier	6
Radio Wire Reference Chart	7
Module Diagnostics	8
Troubleshooting Table	9

NEED HELP?

1 866 427-2999

maestro.support@idatalink.com

BEFORE INSTALLING P1 /1

STEP 1

DETERMINE IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

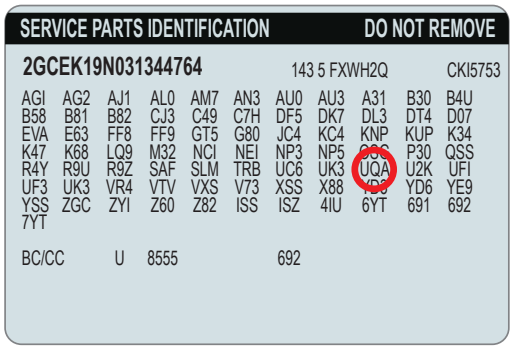
METHOD 1: Look for the following logos in the vehicle. They are usually on the speaker covers or on the radio unit. If you find any of the following logos Bose, Pioneer or Monsoon, you have a factory amplifier.

BOSE

Pioneer

MONSOON

METHOD 2: Look for the following sticker in the glove box. This sticker will indicate all the Regular Production Option (RPO) codes. If you find any of the following codes UQA, UQS or UQG, you have a factory amplifier.


SERVICE PARTS IDENTIFICATION DO NOT REMOVE

2GCEK19N031344764 143 5 FXWH2Q CKI5753

AGI	AG2	AJ1	AL0	AM7	AN3	AU0	AU3	A31	B30	B4U
B58	B81	B82	CJ3	C49	C7H	DF5	DK7	DL3	DT4	D07
EVA	E63	FF8	FF9	GT5	G80	JC4	KC4	KNP	KUP	K34
K47	K68	LQ9	M32	NCI	NEI	NP3	NP5	QQS	P30	QSS
R4Y	R9U	R9Z	SAF	SLM	TRB	UC6	UK3	UQA	U2K	UFI
UF3	UK3	VR4	VTV	VXS	V73	XSS	X88	YD5	YD6	YE9
YSS	ZGC	ZYI	Z60	Z82	ISS	ISZ	4IU	6YT	691	692
7YT										

BC/CC U 8555 692

STEP 2

IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **with an amplifier** and read the "**AMPLIFIER ONLY**" note to determine if you should use rca's or level matching circuits.

IF YOUR VEHICLE NOT IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **without an amplifier**.

Automotive Data Solutions Inc. © 2023

INSTALLATION INSTRUCTIONS P1/1

STEP 1

Remove the factory radio

If using head unit adapter (sold separately), connect HRR-GM5+ harness to adapter and skip to step 2.

- Unbox the aftermarket radio and locate its main harness.
- Cut and remove the black 20 pin connector from the HRR-GM5+ T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the HRR-GM5+ T-harness and match the wire functions.

  Note: only connect purple/white wire to radio reverse input or module damage will occur.

STEP 2

- Connect the factory harness to the HRR-GM5+ T-harness.
- Without AMP: Ensure that the WHITE 8 pin plugs are connected.
- With AMP: Connect the HRR-GM5+ 8 pin WHITE connectors to the AMP adapter.

STEP 3

- Connect HRR-GM5+ 2-pin black connector to black connector of OBDII extension harness.
- Plug the OBDII connector into the OBDII of the vehicle, under driver dash.

STEP 4

- Plug the harnesses into the aftermarket radio.
- Connect the backup camera RCA cable into the aftermarket radio.
- With AMP: Connect the Center and SUB RCA cables.
- Plug the Data cable to the data port of the aftermarket radio.
- Insert the Audio cable into the iDatalink 3.5 mm audio jack of the aftermarket radio (if there is no iDatalink audio input, connect to AUX).

  Note: On Pioneer radio, ensure that there is nothing plugged into the W/R port.

STEP 5

- Connect the ACC-SP1 speaker to Maestro module.
- Connect all the harnesses to the Maestro RR module then test your installation.

OnStar or warning chime adjust (Audio in vehicle speakers):

- Turn ignition (IGN) on
- Open driver's door

Select to adjust:

OnStar level - Press OnStar button.

Warning chime level - turn headlight switch to parking light position (not AUTO).

- Adjust volume using steering wheel volume up/down OR dimmer switch. If using dimmer switch, ensure headlight switch is NOT set to AUTO.

OnStar, turn signal, or warning chime adjust (Audio in GM5+ speaker):

- Find "OEM setup" menu in radio settings.

Under "Vehicle Features", select to adjust:

Onstar Volume - Level from 0-9

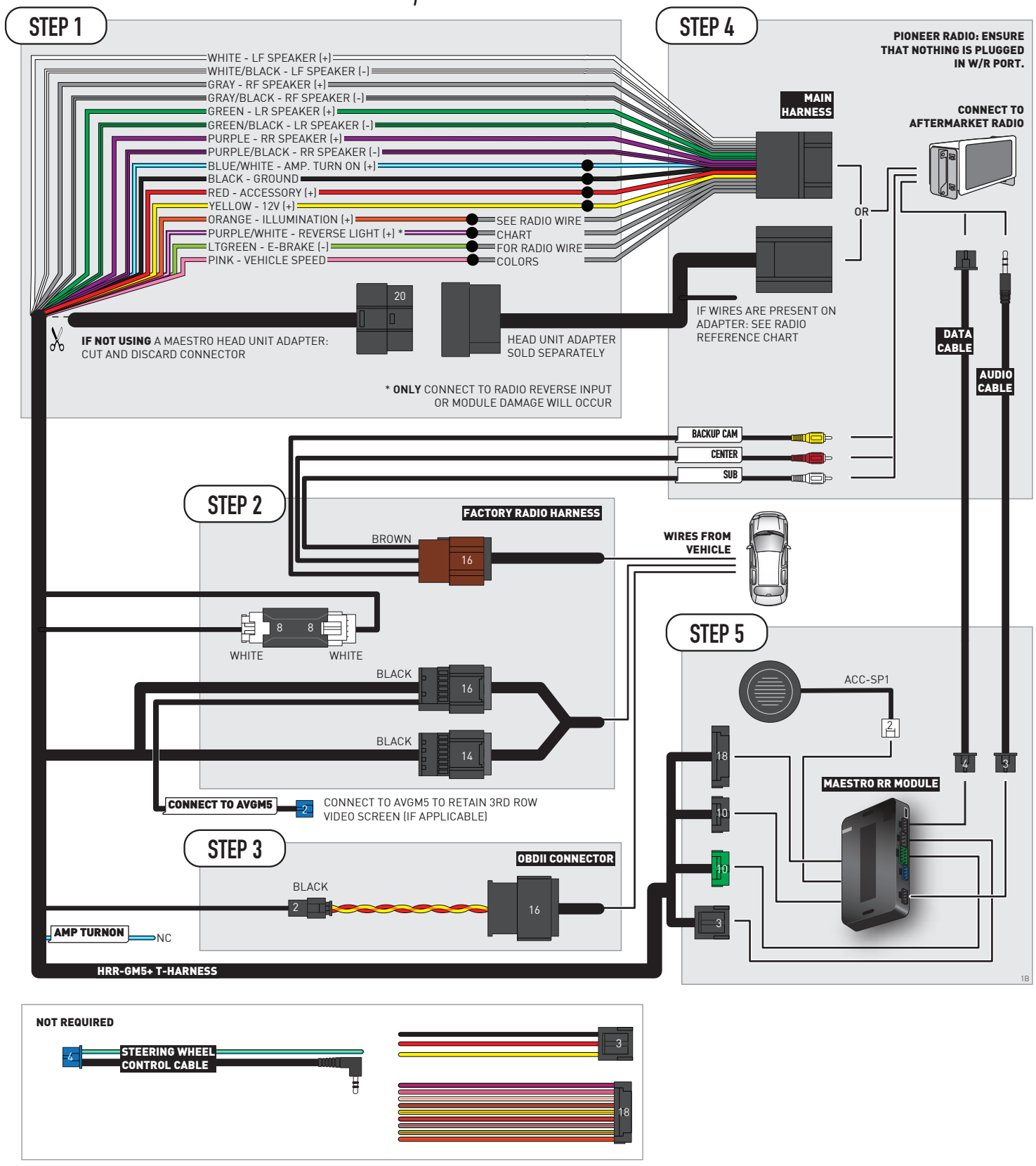
Chime Volume - Level from 0-9

Turn Signal Volume - 1-10

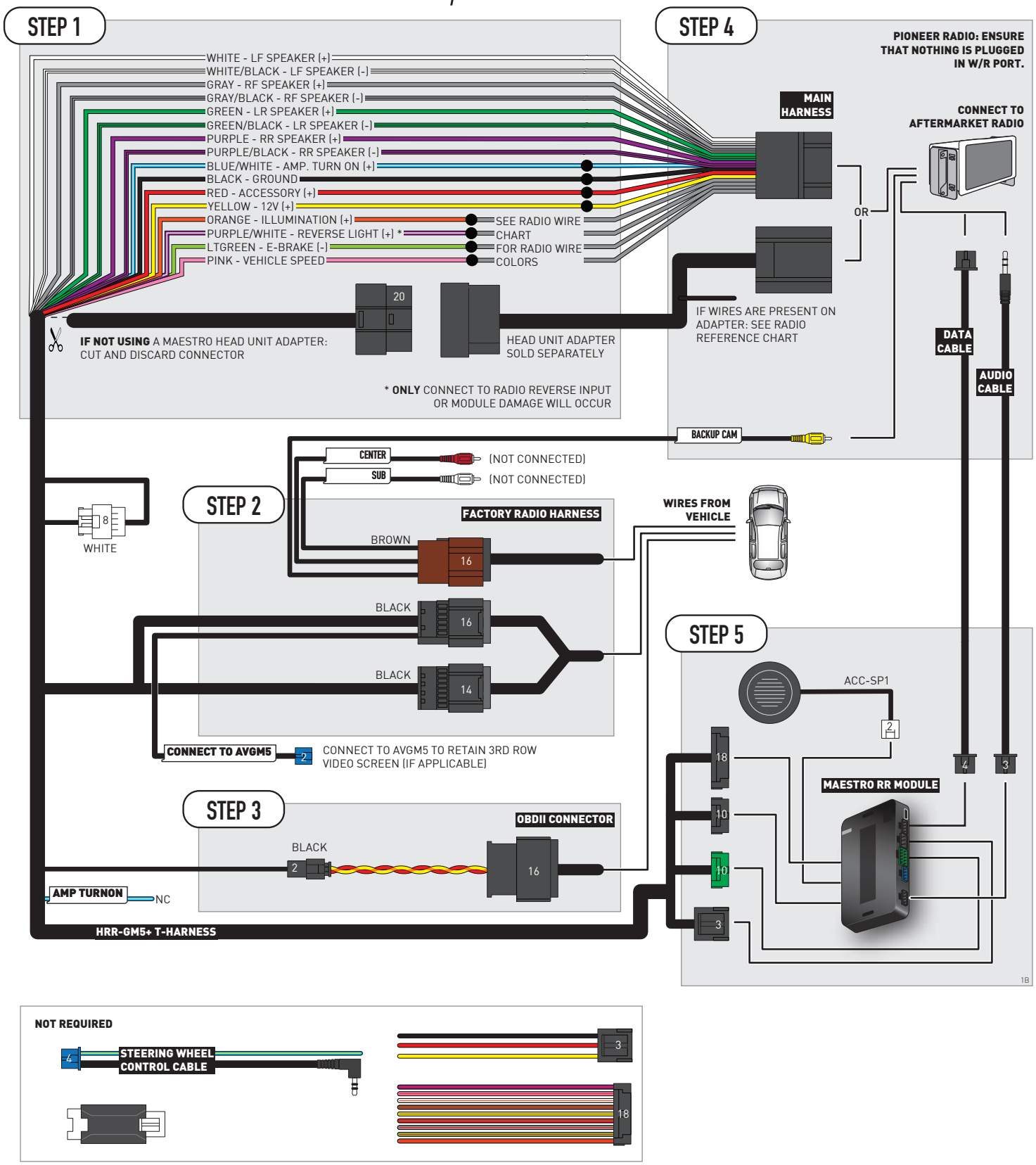
Turn Signal Reminder - Select "Click in speaker" for normal signal sounds. Select "Chime if left on" to only alert if turn signal is left on.

Automotive Data Solutions Inc. © 2023

WIRING DIAGRAM *with an Amplifier*



WIRING DIAGRAM *without an Amplifier*



RADIO WIRE REFERENCE CHART

GM5+ (GM2) T-harness Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/ JVC cable	Wire Color on Pioneer cable	Wire Color on Sony cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light*	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A
Power Antenna	(+)	Blue	Blue	Blue	Blue/White	Blue or Blue/White

Head unit adapter wiring (optional accessory, sold separately)

ACC-HU-ALP1 Wire Description	Polarity	Wire Color on Adapter	Alpine Radio
VSS (vehicle speed sensor)	(DATA)	Green/White	Green/White

ACC-HU-KEN1 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
CAM	(+)	Green/Red	Refer to camera/radio manual
CAM	(-)	Green/White	Refer to camera/radio manual
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

ACC-HU-KEN2 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
E-Brake	(-)	LtGreen	LtGreen
Reverse Light*	(+)	Purple/White	Purple/White
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

* Reverse light wire: Only connect to radio or module damage will occur.

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 (RR2) Bluetooth activity	LED STATUS	DIAGNOSTIC
● or ●		RED or GREEN flashing	LED flashes 1 or more times, either red or green, **when a steering wheel button is pressed** : normal operation.
●		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do NOT use DEMO MODE.
●		2 RED flashes	Problem detected. Consult troubleshooting table.
●		1 GREEN flash	After radio boots up : Normal operation.
	●	3 GREEN flashes	Bluetooth is activated. Turns off after one minute: Normal operation.
●	●	OFF	Normal operation (inactive).

VIDEO HELP		Installation, product information, vehicle specific videos.
VERIFY FLASH		Last flash information, steering control configuration, vehicle information.
WEBLINK		Software to program module.

TROUBLESHOOTING TABLE P1 /2

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure OBDII connector is securely attached to the OBD2 connector of the vehicle. If you hardwired connections at the OBDII, check connections at the OBDII connector. Make sure the **RED/BROWN** wire is on **PIN 6** and the **YELLOW/BROWN** wire is connected to **PIN 14** of the OBDII connector. Do not use T-Taps. Soldering or military splicing methods are recommended. If anything else is connected to the OBD2 or CAN wires of vehicle (programmer, throttle controller, insurance tracker, etc.) try unplugging it to see if gauges work. If gauges work without it installed, call tech support for options. Reset the RR.
No sound from Onstar or OEM Satellite (if equipped).	Make sure the audio cable is installed and inserted into the correct location on the radio.
Trying to use the OEM Satellite and get "Check Tuner" message.	In order to access the OEM Satellite you must go into the radio sources and look for the one that says "Satellite Radio". The SiriusXM source is not the same as the OEM Satellite source.
When listening to the OEM Satellite radio, the turn signals don't make the clicking noise, but they do in any other source.	This is normal. The audio for OEM Satellite radio and the turn signal clicks both come from the audio cable. The Maestro unit cannot process 2 different audio signals at the same time, so the OEM Satellite is priority.
There is no turn signal clicking noise.	Find OEM Setup in the radio settings. Under Vehicle Feature settings, look for Turn Signal Reminder. If it is set to "Chime If Left On", it will not click. If you wish to hear turn signal clicks, this setting must be set to "Click In Speaker".
No sound from the Bose system (If equipped).	Make sure the amplifier turn on wire (Blue/White) of the T-Harness is connected to the radio's amplifier turn on wire. When flashing the Maestro make sure that the Amplifier in OEM Systems to Retain is selected. Make sure the RCA's are connected to the radio or the speaker wires are connected depending on your installation method.
Vehicle had the Bose system and it was bypassed, now there are no chimes.	Remove the Maestro and reflash it, making sure you uncheck the Amplifier option in the OEM Systems section of the flash.
Audio is very quiet or very loud.	Non amplified vehicles: ensure the AMP adapter is NOT plugged in between the white 8 pin plugs. Amplified vehicles: ensure the AMP adapter IS plugged in between the white 8 pin plugs.
(Vehicle using a HRR-GM2 harness only) Backup camera is not working and displays a black screen on radio when in reverse.	Ensure the 2-pin yellow plug is connected as shown on the diagram.
The light on the Maestro is flashing **RED ONCE**.	There is no firmware on the module; flash the RR module.
The radio is **ON** and the light on the Maestro is blinking **RED TWICE**.	Ensure the 4-pin data cable is connected between the radio and the RR, and that it is plugged into the black port on the Maestro RR. The red and blue ports on the RR should be empty. Make sure the correct radio model and serial number were entered during the flash. Verify the radio's serial number entered during the flash matches what is listed on the radio screen. This can be found in the settings of the radio, listed as Device Id, Device Number, or Serial Number.
The light on the Maestro is blinking **RED TWICE** but radio **is NOT** turning on.	If installing a modular radio and it is not turning on, ensure the screen is secured and any trim pieces on the radio have been installed fully. Not installing these fully will prevent radio from powering up and show a 2x red error as well. Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.

TROUBLESHOOTING TABLE P2 /2

MAESTRO RR RESET PROCEDURE:

Turn the key to the OFF position, then disconnect all connectors from the module.
Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).
Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds to show the reset was successful.

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

IMPORTANT: To ensure proper operation, the aftermarket radio needs to have the latest firmware from the manufacturer. Please visit the radio manufacturer's website and look for any updates pertaining to your radio.

INSTALL GUIDE

2007-2011
CHEVROLET SILVERADO 1500

RETAINS STEERING WHEEL CONTROLS, ONSTAR, BLUETOOTH, XM SATELLITE AND MORE!



PRODUCTS REQUIRED

iDatalink Maestro RR or RR2 Radio Replacement Interface
iDatalink Maestro HRR-GM5+ Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-GM05-DS

ADDITIONAL RESOURCES

Maestro RR2 Programmable Outputs Guide

OPTIONAL ACCESSORIES

K40 ELECTRONICS
ESCORT

Click here for:
Radar Installation Guides

ACC-SP1

HEAD UNIT ADAPTER:
ACC-HU-PIO1, SON1, KEN1, KEN2, ALP1

NOTICE: Automotive Data Solutions Inc. (ADS) recommends having this installation performed by a certified technician. Logos and trademarks used here in are the properties of their respective owners.

WELCOME

Congratulations on the purchase of your iDatalink Maestro RR Radio replacement solution. You are now a few simple steps away from enjoying your new car radio with enhanced features.

Before starting your installation, please ensure that your iDatalink Maestro module is programmed with the correct firmware for your vehicle and that you carefully review the install guide.

Please note that Maestro RR will only retain functionalities that were originally available in the vehicle.

TABLE OF CONTENTS

Before Installing	3
Installation Instructions	4
Wiring Diagram with an Amplifier	5
Wiring Diagram without an Amplifier	6
Radio Wire Reference Chart	7
Module Diagnostics	8
Troubleshooting Table	9

NEED HELP?

1 866 427-2999

maestro.support@idatalink.com

BEFORE INSTALLING P1 /1

STEP 1

DETERMINE IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

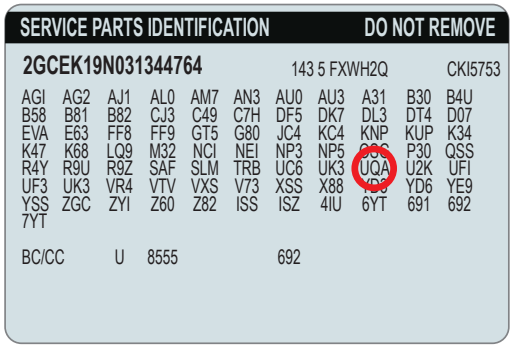
METHOD 1: Look for the following logos in the vehicle. They are usually on the speaker covers or on the radio unit. If you find any of the following logos Bose, Pioneer or Monsoon, you have a factory amplifier.

BOSE

Pioneer

MONSOON

METHOD 2: Look for the following sticker in the glove box. This sticker will indicate all the Regular Production Option (RPO) codes. If you find any of the following codes UQA, UQS or UQG, you have a factory amplifier.



STEP 2

IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **with an amplifier** and read the "**AMPLIFIER ONLY**" note to determine if you should use rca's or level matching circuits.

IF YOUR VEHICLE NOT IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **without an amplifier**.

Automotive Data Solutions Inc. © 2023

INSTALLATION INSTRUCTIONS P1/1

STEP 1

Remove the factory radio

If using head unit adapter (sold separately), connect HRR-GM5+ harness to adapter and skip to step 2.

- Unbox the aftermarket radio and locate its main harness.
- Cut and remove the black 20 pin connector from the HRR-GM5+ T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the HRR-GM5+ T-harness and match the wire functions.

  Note: only connect purple/white wire to radio reverse input or module damage will occur.

STEP 2

- Connect the factory harness to the HRR-GM5+ T-harness.
- Without AMP: Ensure that the WHITE 8 pin plugs are connected.
- With AMP: Connect the HRR-GM5+ 8 pin WHITE connectors to the AMP adapter.

STEP 3

- Connect HRR-GM5+ 2-pin black connector to black connector of OBDII extension harness.
- Plug the OBDII connector into the OBDII of the vehicle, under driver dash.

STEP 4

- Plug the harnesses into the aftermarket radio.
- Connect the backup camera RCA cable into the aftermarket radio.
- With AMP: Connect the Center and SUB RCA cables.
- Plug the Data cable to the data port of the aftermarket radio.
- Insert the Audio cable into the iDatalink 3.5 mm audio jack of the aftermarket radio (if there is no iDatalink audio input, connect to AUX).

  Note: On Pioneer radio, ensure that there is nothing plugged into the W/R port.

STEP 5

- Connect the ACC-SP1 speaker to Maestro module.
- Connect all the harnesses to the Maestro RR module then test your installation.

OnStar or warning chime adjust (Audio in vehicle speakers):

- Turn ignition (IGN) on
- Open driver's door

Select to adjust:

OnStar level - Press OnStar button.

Warning chime level - turn headlight switch to parking light position (not AUTO).

- Adjust volume using steering wheel volume up/down OR dimmer switch. If using dimmer switch, ensure headlight switch is NOT set to AUTO.

OnStar, turn signal, or warning chime adjust (Audio in GM5+ speaker):

- Find "OEM setup" menu in radio settings.

Under "Vehicle Features", select to adjust:

Onstar Volume - Level from 0-9

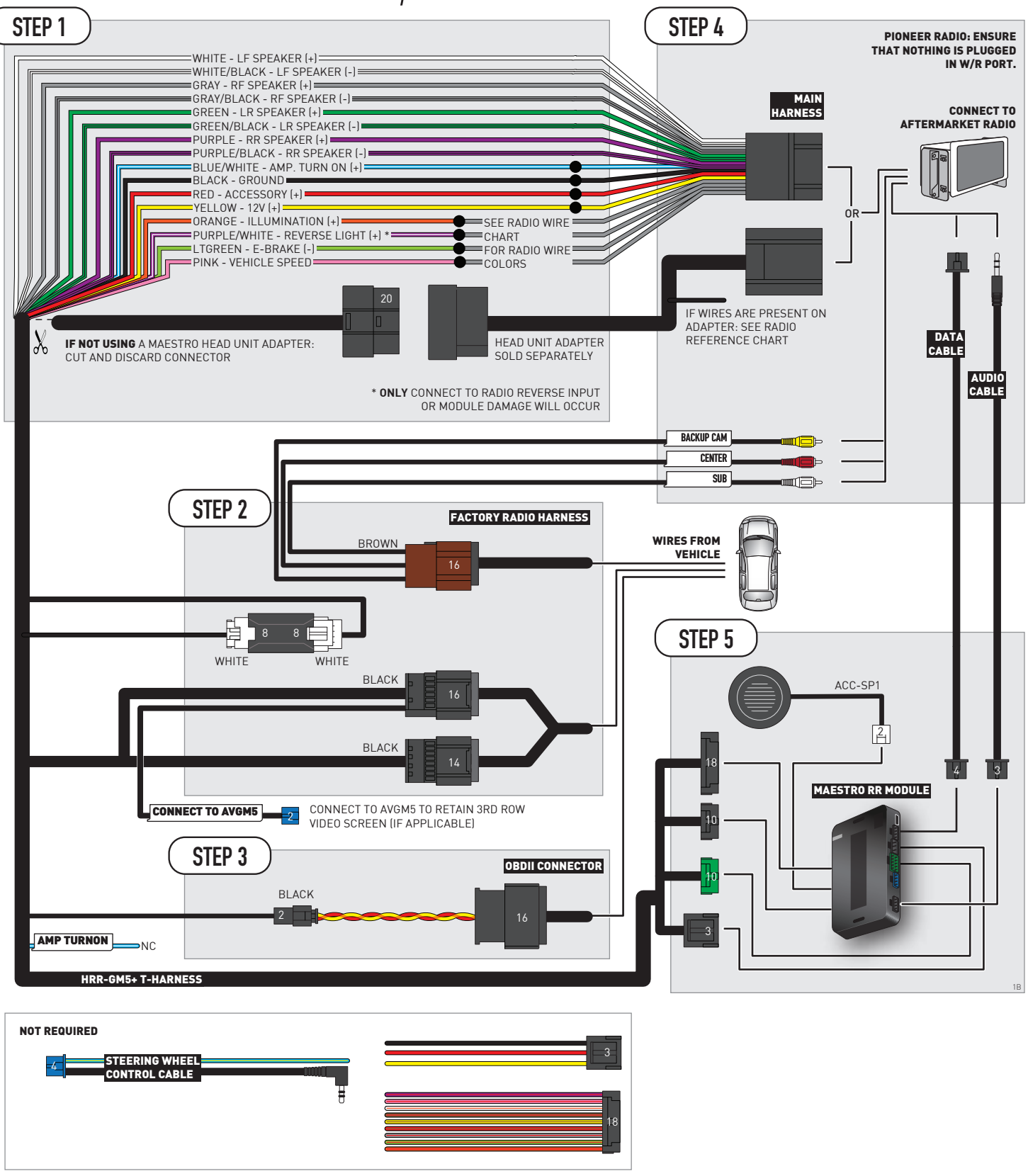
Chime Volume - Level from 0-9

Turn Signal Volume - 1-10

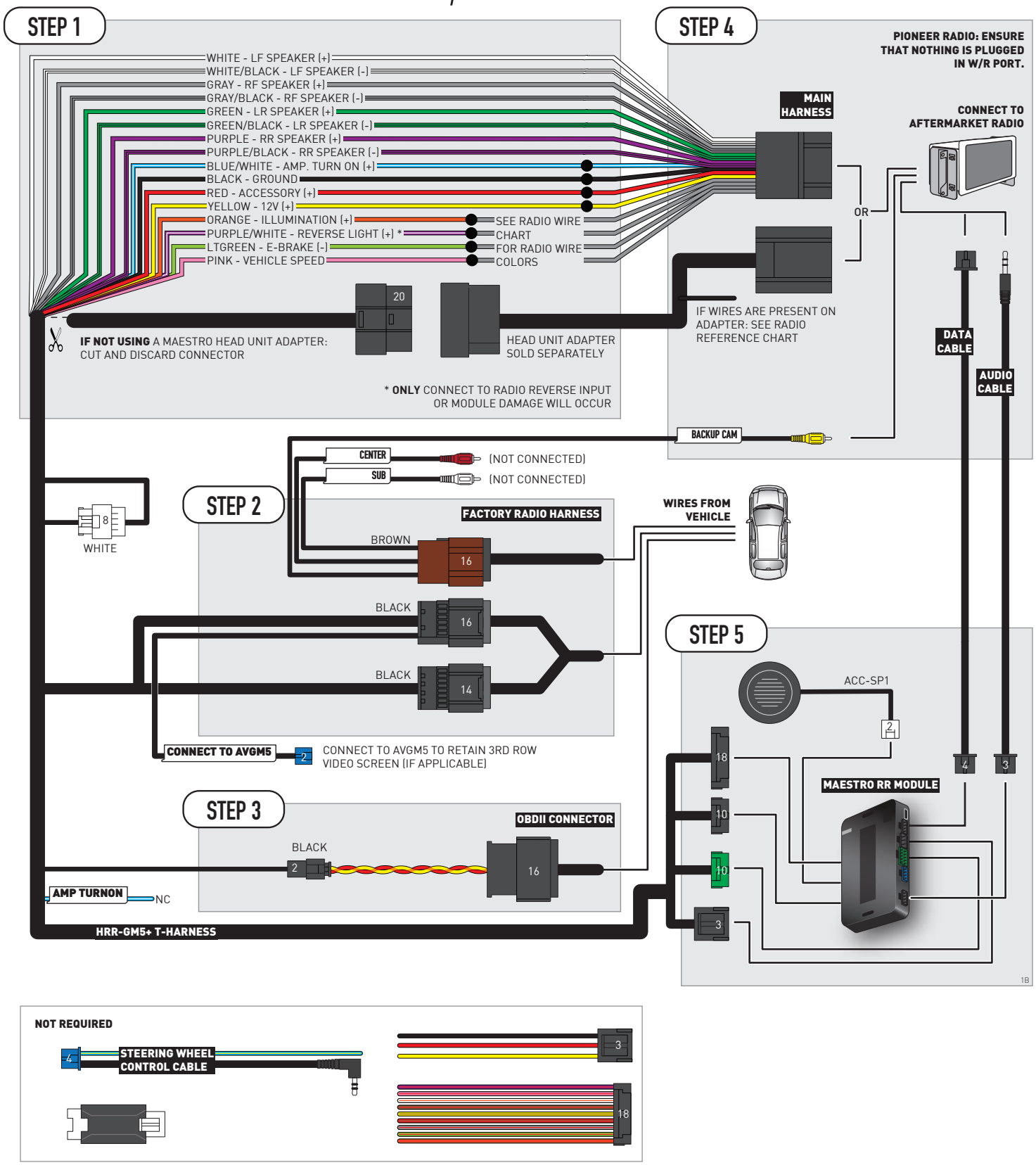
Turn Signal Reminder - Select "Click in speaker" for normal signal sounds. Select "Chime if left on" to only alert if turn signal is left on.

Automotive Data Solutions Inc. © 2023

WIRING DIAGRAM *with an Amplifier*



WIRING DIAGRAM *without an Amplifier*



RADIO WIRE REFERENCE CHART

GM5+ (GM2) T-harness Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/ JVC cable	Wire Color on Pioneer cable	Wire Color on Sony cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light*	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A
Power Antenna	(+)	Blue	Blue	Blue	Blue/White	Blue or Blue/White

Head unit adapter wiring (optional accessory, sold separately)

ACC-HU-ALP1 Wire Description	Polarity	Wire Color on Adapter	Alpine Radio
VSS (vehicle speed sensor)	(DATA)	Green/White	Green/White

ACC-HU-KEN1 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
CAM	(+)	Green/Red	Refer to camera/radio manual
CAM	(-)	Green/White	Refer to camera/radio manual
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

ACC-HU-KEN2 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
E-Brake	(-)	LtGreen	LtGreen
Reverse Light*	(+)	Purple/White	Purple/White
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

* Reverse light wire: Only connect to radio or module damage will occur.

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 (RR2) Bluetooth activity	LED STATUS	DIAGNOSTIC
● or ●		RED or GREEN flashing	LED flashes 1 or more times, either red or green, **when a steering wheel button is pressed** : normal operation.
●		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do NOT use DEMO MODE.
●		2 RED flashes	Problem detected. Consult troubleshooting table.
●		1 GREEN flash	After radio boots up : Normal operation.
	●	3 GREEN flashes	Bluetooth is activated. Turns off after one minute: Normal operation.
●	●	OFF	Normal operation (inactive).

VIDEO HELP		Installation, product information, vehicle specific videos.
VERIFY FLASH		Last flash information, steering control configuration, vehicle information.
WEBLINK		Software to program module.

TROUBLESHOOTING TABLE P1 /2

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure OBDII connector is securely attached to the OBD2 connector of the vehicle. If you hardwired connections at the OBDII, check connections at the OBDII connector. Make sure the **RED/BROWN** wire is on **PIN 6** and the **YELLOW/BROWN** wire is connected to **PIN 14** of the OBDII connector. Do not use T-Taps. Soldering or military splicing methods are recommended. If anything else is connected to the OBD2 or CAN wires of vehicle (programmer, throttle controller, insurance tracker, etc.) try unplugging it to see if gauges work. If gauges work without it installed, call tech support for options. Reset the RR.
No sound from Onstar or OEM Satellite (if equipped).	Make sure the audio cable is installed and inserted into the correct location on the radio.
Trying to use the OEM Satellite and get "Check Tuner" message.	In order to access the OEM Satellite you must go into the radio sources and look for the one that says "Satellite Radio". The SiriusXM source is not the same as the OEM Satellite source.
When listening to the OEM Satellite radio, the turn signals don't make the clicking noise, but they do in any other source.	This is normal. The audio for OEM Satellite radio and the turn signal clicks both come from the audio cable. The Maestro unit cannot process 2 different audio signals at the same time, so the OEM Satellite is priority.
There is no turn signal clicking noise.	Find OEM Setup in the radio settings. Under Vehicle Feature settings, look for Turn Signal Reminder. If it is set to "Chime If Left On", it will not click. If you wish to hear turn signal clicks, this setting must be set to "Click In Speaker".
No sound from the Bose system (If equipped).	Make sure the amplifier turn on wire (Blue/White) of the T-Harness is connected to the radio's amplifier turn on wire. When flashing the Maestro make sure that the Amplifier in OEM Systems to Retain is selected. Make sure the RCA's are connected to the radio or the speaker wires are connected depending on your installation method.
Vehicle had the Bose system and it was bypassed, now there are no chimes.	Remove the Maestro and reflash it, making sure you uncheck the Amplifier option in the OEM Systems section of the flash.
Audio is very quiet or very loud.	Non amplified vehicles: ensure the AMP adapter is NOT plugged in between the white 8 pin plugs. Amplified vehicles: ensure the AMP adapter IS plugged in between the white 8 pin plugs.
(Vehicle using a HRR-GM2 harness only) Backup camera is not working and displays a black screen on radio when in reverse.	Ensure the 2-pin yellow plug is connected as shown on the diagram.
The light on the Maestro is flashing **RED ONCE**.	There is no firmware on the module; flash the RR module.
The radio is **ON** and the light on the Maestro is blinking **RED TWICE**.	Ensure the 4-pin data cable is connected between the radio and the RR, and that it is plugged into the black port on the Maestro RR. The red and blue ports on the RR should be empty. Make sure the correct radio model and serial number were entered during the flash. Verify the radio's serial number entered during the flash matches what is listed on the radio screen. This can be found in the settings of the radio, listed as Device Id, Device Number, or Serial Number.
The light on the Maestro is blinking **RED TWICE** but radio **is NOT** turning on.	If installing a modular radio and it is not turning on, ensure the screen is secured and any trim pieces on the radio have been installed fully. Not installing these fully will prevent radio from powering up and show a 2x red error as well. Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.

TROUBLESHOOTING TABLE P2 /2

MAESTRO RR RESET PROCEDURE:

Turn the key to the OFF position, then disconnect all connectors from the module.
Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).
Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds to show the reset was successful.

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

IMPORTANT: To ensure proper operation, the aftermarket radio needs to have the latest firmware from the manufacturer. Please visit the radio manufacturer's website and look for any updates pertaining to your radio.

INSTALL GUIDE

2012-2013
CHEVROLET SILVERADO 1500
WITH NAV

RETAINS STEERING WHEEL CONTROLS, ONSTAR, BLUETOOTH, XM SATELLITE AND MORE!



PRODUITS REQUIS
Interface de remplacement d'autoradio: iDatalink Maestro RR ou RR2
Câblage : iDatalink Maestro HRR-GM2

PROGRAMMED FIRMWARE
ADS-RR(SR)-GM05-DS

ADDITIONAL RESOURCES
Maestro RR2 Programmable Outputs Guide

OPTIONAL ACCESSORIES
K40 ELECTRONICS
ESCORT
ACC-SP1

Click here for:
Radar Installation Guides

HEAD UNIT ADAPTER:
ACC-HU-PIO1, SON1, KEN1, KEN2, ALP1

NOTICE: Automotive Data Solutions Inc. (ADS) recommends having this installation performed by a certified technician. Logos and trademarks used here in are the properties of their respective owners.

WELCOME

Congratulations on the purchase of your iDatalink Maestro RR Radio replacement solution. You are now a few simple steps away from enjoying your new car radio with enhanced features.

Before starting your installation, please ensure that your iDatalink Maestro module is programmed with the correct firmware for your vehicle and that you carefully review the install guide.

Please note that Maestro RR will only retain functionalities that were originally available in the vehicle.

TABLE OF CONTENTS

Before Installing	3
Installation Instructions	4
Wiring Diagram with an Amplifier	5
Wiring Diagram without an Amplifier	6
Radio Wire Reference Chart	7
Module Diagnostics	8
Troubleshooting Table	9

NEED HELP?

1 866 427-2999

maestro.support@idatalink.com

BEFORE INSTALLING P1 /1

STEP 1

DETERMINE IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

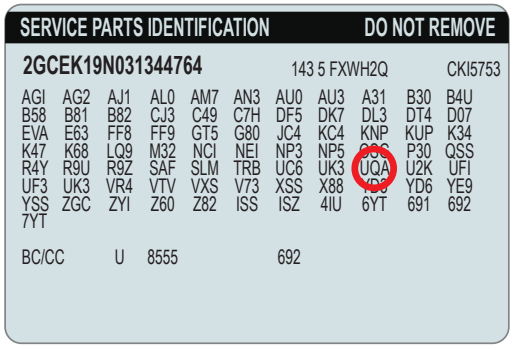
METHOD 1: Look for the following logos in the vehicle. They are usually on the speaker covers or on the radio unit. If you find any of the following logos Bose, Pioneer or Monsoon, you have a factory amplifier.

BOSE

Pioneer

MONSOON

METHOD 2: Look for the following sticker in the glove box. This sticker will indicate all the Regular Production Option (RPO) codes. If you find any of the following codes UQA, UQS or UQG, you have a factory amplifier.



STEP 2

IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **with an amplifier** and read the "**AMPLIFIER ONLY**" note to determine if you should use rca's or level matching circuits.

IF YOUR VEHICLE NOT IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **without an amplifier**.

INSTALLATION INSTRUCTIONS P1/1

STEP 1

Remove the factory radio

If using head unit adapter (sold separately), connect HRR-GM2 harness to adapter and skip to step 2.

- Unbox the aftermarket radio and locate its main harness.
- Cut and remove the black 20 pin connector from the HRR-GM2 T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the HRR-GM2 T-harness and match the wire functions.

  Note: only connect purple/white wire to radio reverse input or module damage will occur.

STEP 2

- Connect the YELLOW 2 pin connector of the backup camera cable to the YELLOW connector (CAM 1) of the backup camera adapter. Connect GRAY connector of adapter to the vehicle backup camera harness.

STEP 3

- Connect the factory harness to the HRR-GM2 T-harness.
- Ensure that the RED 2 pin plugs are connected.
- Without AMP: Ensure that the WHITE 8 pin plugs are connected.
- With AMP: Connect the HRR-GM2 8 pin WHITE connectors to the AMP adapter.

STEP 4

- Connect HRR-GM2 2-pin black connector to black connector of OBDII extension harness.
- Plug the OBDII connector into the OBDII of the vehicle, under driver dash.

STEP 5

- Plug the harnesses into the aftermarket radio.
- Connect the backup camera RCA cable into the aftermarket radio.
- Plug the Data cable to the data port of the aftermarket radio.
- Insert the Audio cable into the iDatalink 3.5 mm audio jack of the aftermarket radio (if there is no iDatalink audio input, connect to AUX).

Note: On Pioneer radio, ensure that there is nothing plugged into the W/R port.

STEP 6

- Connect the ACC-SP1 speaker to Maestro module.
- Connect all the harnesses to the Maestro RR module then test your installation.

OnStar or warning chime adjust (Audio in vehicle speakers):

- Turn ignition (IGN) on
- Open driver's door

Select to adjust:

OnStar level - Press OnStar button.

Warning chime level - turn headlight switch to parking light position (not AUTO).

- Adjust volume using steering wheel volume up/down OR dimmer switch. If using dimmer switch, ensure headlight switch is NOT set to AUTO.

OnStar, turn signal, or warning chime adjust (Audio in GM5+ speaker):

- Find "OEM setup" menu in radio settings.

Under "Vehicle Features", select to adjust:

Onstar Volume - Level from 0-9

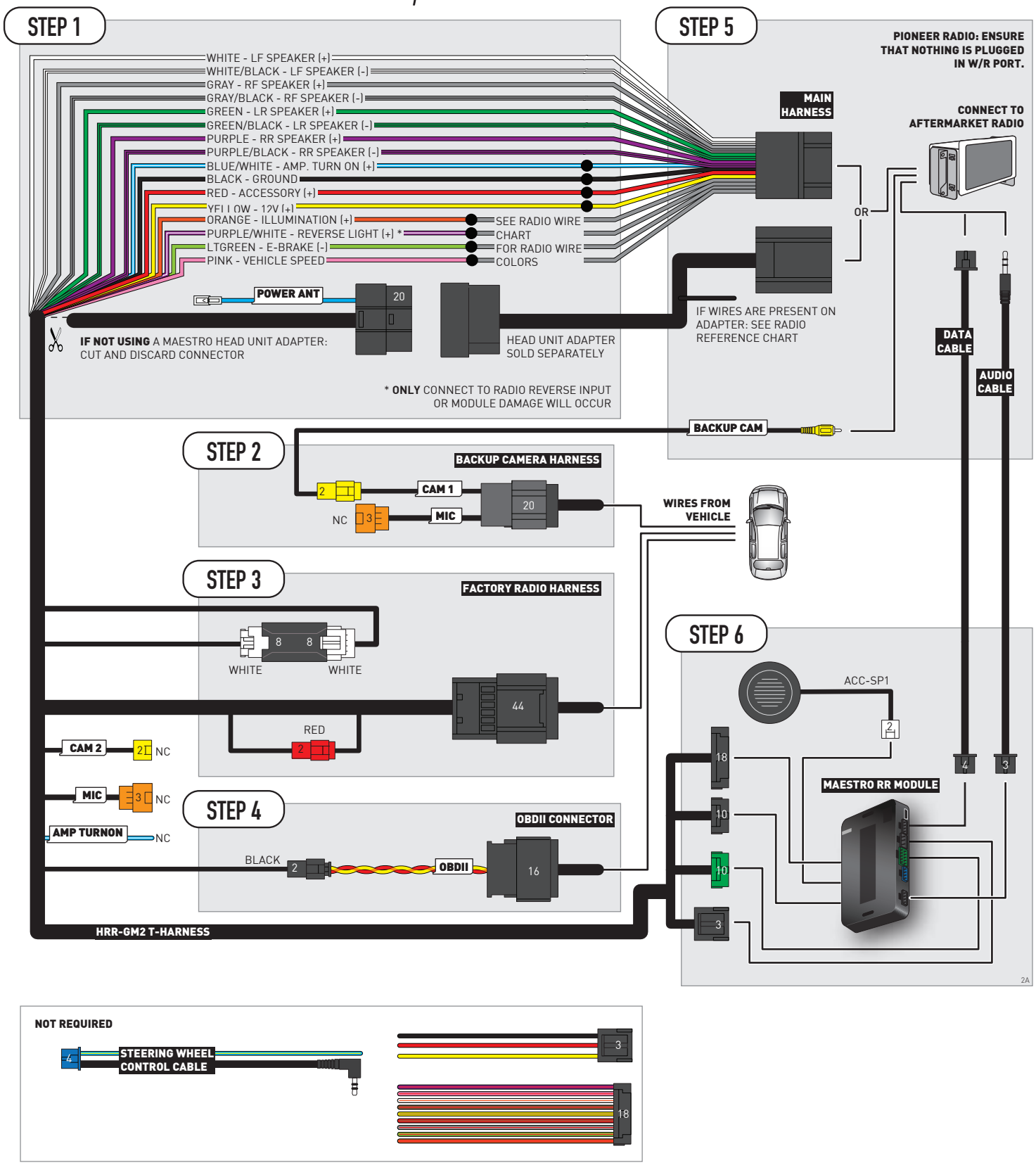
Chime Volume - Level from 0-9

Turn Signal Volume - 1-10

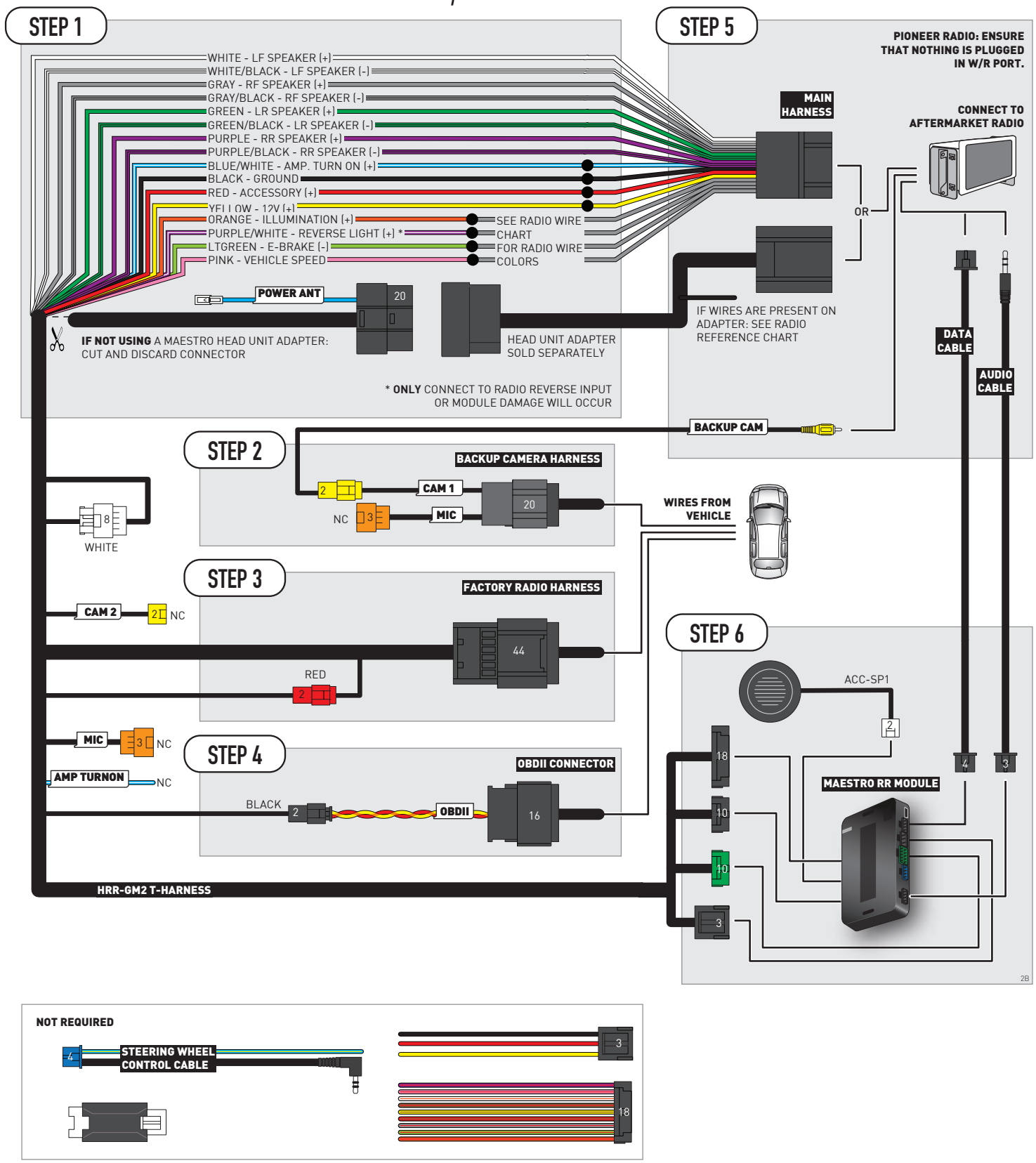
Turn Signal Reminder - Select "Click in speaker" for normal signal sounds. Select "Chime if left on" to only alert if turn signal is left on.

Automotive Data Solutions Inc. © 2023

WIRING DIAGRAM *with an Amplifier*



WIRING DIAGRAM *without an Amplifier*



RADIO WIRE REFERENCE CHART

GM5+ (GM2) T-harness Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/ JVC cable	Wire Color on Pioneer cable	Wire Color on Sony cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light*	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A
Power Antenna	(+)	Blue	Blue	Blue	Blue/White	Blue or Blue/White

Head unit adapter wiring (optional accessory, sold separately)

ACC-HU-ALP1 Wire Description	Polarity	Wire Color on Adapter	Alpine Radio
VSS (vehicle speed sensor)	(DATA)	Green/White	Green/White

ACC-HU-KEN1 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
CAM	(+)	Green/Red	Refer to camera/radio manual
CAM	(-)	Green/White	Refer to camera/radio manual
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

ACC-HU-KEN2 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
E-Brake	(-)	LtGreen	LtGreen
Reverse Light*	(+)	Purple/White	Purple/White
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

* Reverse light wire: Only connect to radio or module damage will occur.

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 (RR2) Bluetooth activity	LED STATUS	DIAGNOSTIC
● or ●		RED or GREEN flashing	LED flashes 1 or more times, either red or green, **when a steering wheel button is pressed** : normal operation.
●		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do NOT use DEMO MODE.
●		2 RED flashes	Problem detected. Consult troubleshooting table.
●		1 GREEN flash	After radio boots up : Normal operation.
	●	3 GREEN flashes	Bluetooth is activated. Turns off after one minute: Normal operation.
●	●	OFF	Normal operation (inactive).

VIDEO HELP		Installation, product information, vehicle specific videos.
VERIFY FLASH		Last flash information, steering control configuration, vehicle information.
WEBLINK		Software to program module.

TROUBLESHOOTING TABLE P1 /2

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure OBDII connector is securely attached to the OBD2 connector of the vehicle. If you hardwired connections at the OBDII, check connections at the OBDII connector. Make sure the **RED/BROWN** wire is on **PIN 6** and the **YELLOW/BROWN** wire is connected to **PIN 14** of the OBDII connector. Do not use T-Taps. Soldering or military splicing methods are recommended. If anything else is connected to the OBD2 or CAN wires of vehicle (programmer, throttle controller, insurance tracker, etc.) try unplugging it to see if gauges work. If gauges work without it installed, call tech support for options. Reset the RR.
No sound from Onstar or OEM Satellite (if equipped).	Make sure the audio cable is installed and inserted into the correct location on the radio.
Trying to use the OEM Satellite and get "Check Tuner" message.	In order to access the OEM Satellite you must go into the radio sources and look for the one that says "Satellite Radio". The SiriusXM source is not the same as the OEM Satellite source.
When listening to the OEM Satellite radio, the turn signals don't make the clicking noise, but they do in any other source.	This is normal. The audio for OEM Satellite radio and the turn signal clicks both come from the audio cable. The Maestro unit cannot process 2 different audio signals at the same time, so the OEM Satellite is priority.
There is no turn signal clicking noise.	Find OEM Setup in the radio settings. Under Vehicle Feature settings, look for Turn Signal Reminder. If it is set to "Chime If Left On", it will not click. If you wish to hear turn signal clicks, this setting must be set to "Click In Speaker".
No sound from the Bose system (If equipped).	Make sure the amplifier turn on wire (Blue/White) of the T-Harness is connected to the radio's amplifier turn on wire. When flashing the Maestro make sure that the Amplifier in OEM Systems to Retain is selected. Make sure the RCA's are connected to the radio or the speaker wires are connected depending on your installation method.
Vehicle had the Bose system and it was bypassed, now there are no chimes.	Remove the Maestro and reflash it, making sure you uncheck the Amplifier option in the OEM Systems section of the flash.
Audio is very quiet or very loud.	Non amplified vehicles: ensure the AMP adapter is NOT plugged in between the white 8 pin plugs. Amplified vehicles: ensure the AMP adapter IS plugged in between the white 8 pin plugs.
(Vehicle using a HRR-GM2 harness only) Backup camera is not working and displays a black screen on radio when in reverse.	Ensure the 2-pin yellow plug is connected as shown on the diagram.
The light on the Maestro is flashing **RED ONCE**.	There is no firmware on the module; flash the RR module.
The radio is **ON** and the light on the Maestro is blinking **RED TWICE**.	Ensure the 4-pin data cable is connected between the radio and the RR, and that it is plugged into the black port on the Maestro RR. The red and blue ports on the RR should be empty. Make sure the correct radio model and serial number were entered during the flash. Verify the radio's serial number entered during the flash matches what is listed on the radio screen. This can be found in the settings of the radio, listed as Device Id, Device Number, or Serial Number.
The light on the Maestro is blinking **RED TWICE** but radio **is NOT** turning on.	If installing a modular radio and it is not turning on, ensure the screen is secured and any trim pieces on the radio have been installed fully. Not installing these fully will prevent radio from powering up and show a 2x red error as well. Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.

TROUBLESHOOTING TABLE P2 /2

MAESTRO RR RESET PROCEDURE:

Turn the key to the OFF position, then disconnect all connectors from the module.
Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).
Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds to show the reset was successful.

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

IMPORTANT: To ensure proper operation, the aftermarket radio needs to have the latest firmware from the manufacturer. Please visit the radio manufacturer's website and look for any updates pertaining to your radio.

INSTALL GUIDE

2012-2013
CHEVROLET SILVERADO 1500
WITHOUT NAV

RETAINS STEERING WHEEL CONTROLS, ONSTAR, BLUETOOTH, XM SATELLITE AND MORE!



PRODUCTS REQUIRED

iDatalink Maestro RR or RR2 Radio Replacement Interface
iDatalink Maestro HRR-GM5+ Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-GM05-DS

ADDITIONAL RESOURCES

Maestro RR2 Programmable Outputs Guide

OPTIONAL ACCESSORIES

K40 ELECTRONICS
ESCORT

Click here for:
Radar Installation Guides

ACC-SP1

HEAD UNIT ADAPTER:
ACC-HU-PIO1, SON1, KEN1, KEN2, ALP1

NOTICE: Automotive Data Solutions Inc. (ADS) recommends having this installation performed by a certified technician. Logos and trademarks used here in are the properties of their respective owners.

WELCOME

Congratulations on the purchase of your iDatalink Maestro RR Radio replacement solution. You are now a few simple steps away from enjoying your new car radio with enhanced features.

Before starting your installation, please ensure that your iDatalink Maestro module is programmed with the correct firmware for your vehicle and that you carefully review the install guide.

Please note that Maestro RR will only retain functionalities that were originally available in the vehicle.

TABLE OF CONTENTS

Before Installing	3
Installation Instructions	4
Wiring Diagram with an Amplifier	5
Wiring Diagram without an Amplifier	6
Radio Wire Reference Chart	7
Module Diagnostics	8
Troubleshooting Table	9

NEED HELP?

1 866 427-2999

maestro.support@idatalink.com

BEFORE INSTALLING P1 /1

STEP 1

DETERMINE IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

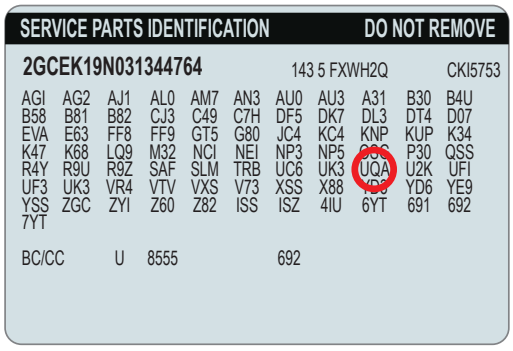
METHOD 1: Look for the following logos in the vehicle. They are usually on the speaker covers or on the radio unit. If you find any of the following logos Bose, Pioneer or Monsoon, you have a factory amplifier.

BOSE

Pioneer

MONSOON

METHOD 2: Look for the following sticker in the glove box. This sticker will indicate all the Regular Production Option (RPO) codes. If you find any of the following codes UQA, UQS or UQG, you have a factory amplifier.



STEP 2

IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **with an amplifier** and read the "**AMPLIFIER ONLY**" note to determine if you should use rca's or level matching circuits.

IF YOUR VEHICLE NOT IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **without an amplifier**.

Automotive Data Solutions Inc. © 2023

INSTALLATION INSTRUCTIONS P1/1

STEP 1

Remove the factory radio

If using head unit adapter (sold separately), connect HRR-GM5+ harness to adapter and skip to step 2.

- Unbox the aftermarket radio and locate its main harness.
- Cut and remove the black 20 pin connector from the HRR-GM5+ T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the HRR-GM5+ T-harness and match the wire functions.

  Note: only connect purple/white wire to radio reverse input or module damage will occur.

STEP 2

- Connect the factory harness to the HRR-GM5+ T-harness.
- Without AMP: Ensure that the WHITE 8 pin plugs are connected.
- With AMP: Connect the HRR-GM5+ 8 pin WHITE connectors to the AMP adapter.

STEP 3

- Connect HRR-GM5+ 2-pin black connector to black connector of OBDII extension harness.
- Plug the OBDII connector into the OBDII of the vehicle, under driver dash.

STEP 4

- Plug the harnesses into the aftermarket radio.
- Connect the backup camera RCA cable into the aftermarket radio.
- With AMP: Connect the Center and SUB RCA cables.
- Plug the Data cable to the data port of the aftermarket radio.
- Insert the Audio cable into the iDatalink 3.5 mm audio jack of the aftermarket radio (if there is no iDatalink audio input, connect to AUX).

  Note: On Pioneer radio, ensure that there is nothing plugged into the W/R port.

STEP 5

- Connect the ACC-SP1 speaker to Maestro module.
- Connect all the harnesses to the Maestro RR module then test your installation.

OnStar or warning chime adjust (Audio in vehicle speakers):

- Turn ignition (IGN) on
- Open driver's door

Select to adjust:

OnStar level - Press OnStar button.

Warning chime level - turn headlight switch to parking light position (not AUTO).

- Adjust volume using steering wheel volume up/down OR dimmer switch. If using dimmer switch, ensure headlight switch is NOT set to AUTO.

OnStar, turn signal, or warning chime adjust (Audio in GM5+ speaker):

- Find "OEM setup" menu in radio settings.

Under "Vehicle Features", select to adjust:

Onstar Volume - Level from 0-9

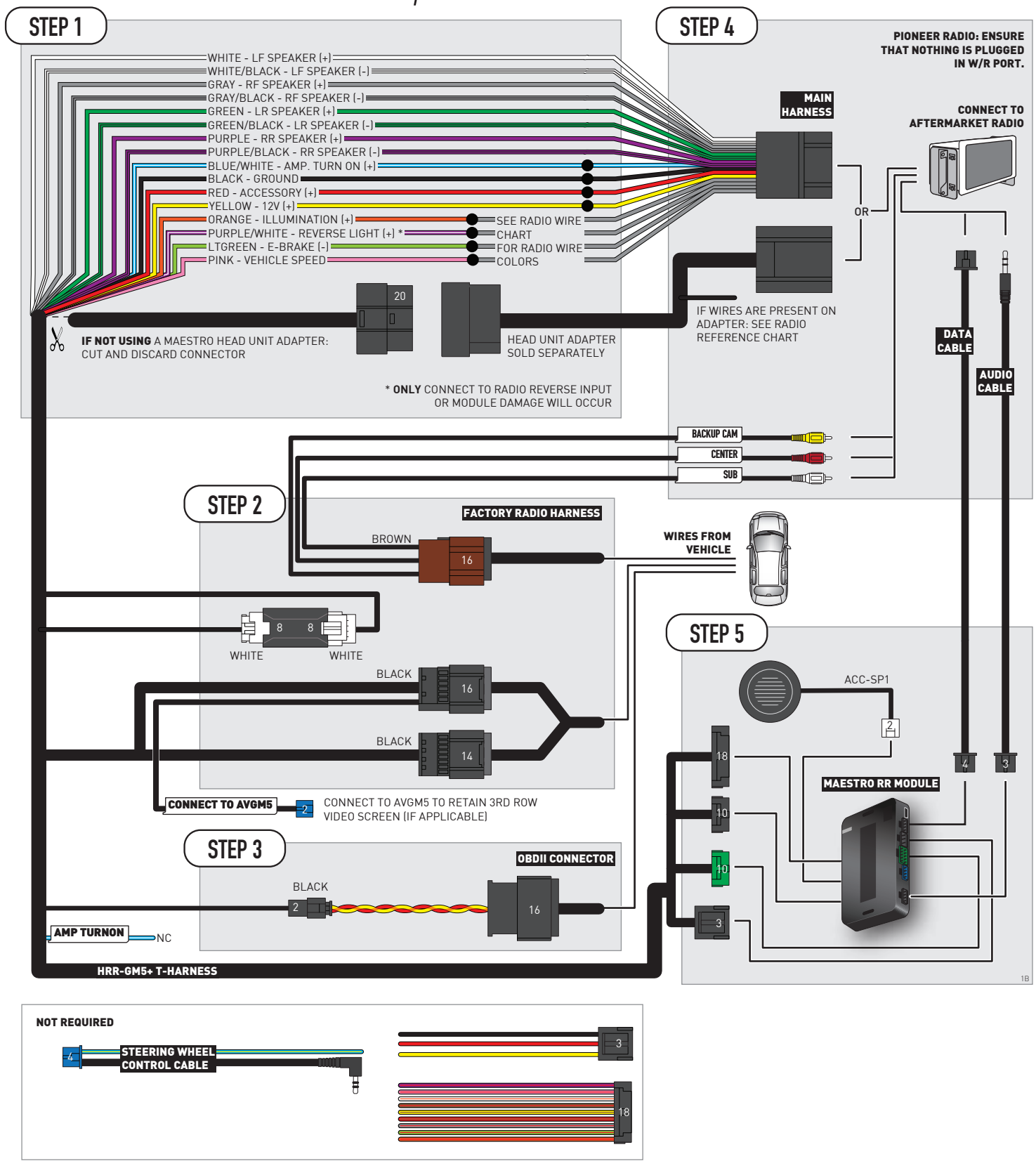
Chime Volume - Level from 0-9

Turn Signal Volume - 1-10

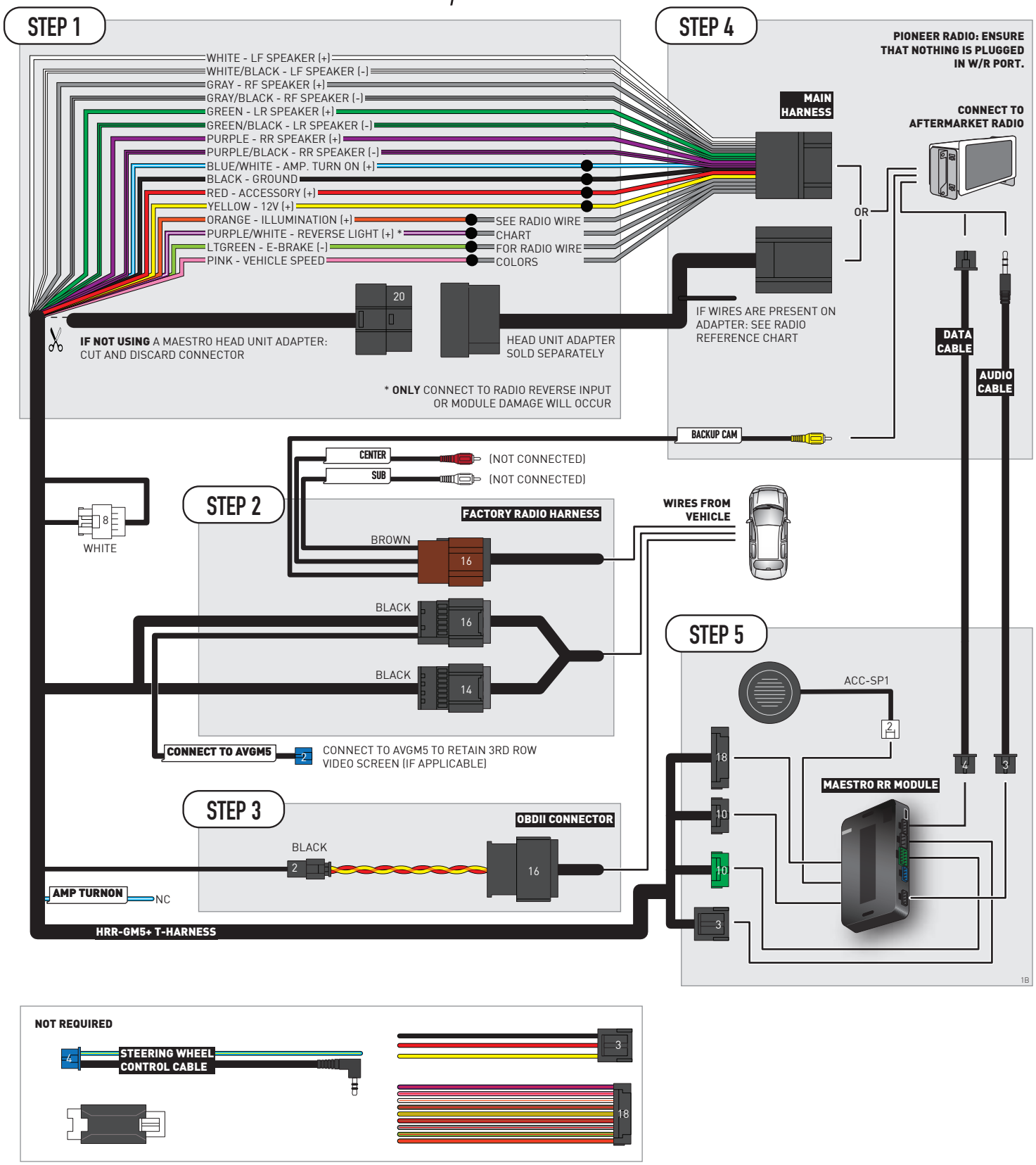
Turn Signal Reminder - Select "Click in speaker" for normal signal sounds. Select "Chime if left on" to only alert if turn signal is left on.

Automotive Data Solutions Inc. © 2023

WIRING DIAGRAM *with an Amplifier*



WIRING DIAGRAM *without an Amplifier*



RADIO WIRE REFERENCE CHART

GM5+ (GM2) T-harness Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/ JVC cable	Wire Color on Pioneer cable	Wire Color on Sony cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light*	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A
Power Antenna	(+)	Blue	Blue	Blue	Blue/White	Blue or Blue/White

Head unit adapter wiring (optional accessory, sold separately)

ACC-HU-ALP1 Wire Description	Polarity	Wire Color on Adapter	Alpine Radio
VSS (vehicle speed sensor)	(DATA)	Green/White	Green/White

ACC-HU-KEN1 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
CAM	(+)	Green/Red	Refer to camera/radio manual
CAM	(-)	Green/White	Refer to camera/radio manual
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

ACC-HU-KEN2 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
E-Brake	(-)	LtGreen	LtGreen
Reverse Light*	(+)	Purple/White	Purple/White
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

* Reverse light wire: Only connect to radio or module damage will occur.

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 (RR2) Bluetooth activity	LED STATUS	DIAGNOSTIC
● or ●		RED or GREEN flashing	LED flashes 1 or more times, either red or green, **when a steering wheel button is pressed** : normal operation.
●		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do NOT use DEMO MODE.
●		2 RED flashes	Problem detected. Consult troubleshooting table.
●		1 GREEN flash	After radio boots up : Normal operation.
	●	3 GREEN flashes	Bluetooth is activated. Turns off after one minute: Normal operation.
●	●	OFF	Normal operation (inactive).

VIDEO HELP		Installation, product information, vehicle specific videos.
VERIFY FLASH		Last flash information, steering control configuration, vehicle information.
WEBLINK		Software to program module.

TROUBLESHOOTING TABLE P1 /2

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure OBDII connector is securely attached to the OBD2 connector of the vehicle. If you hardwired connections at the OBDII, check connections at the OBDII connector. Make sure the **RED/BROWN** wire is on **PIN 6** and the **YELLOW/BROWN** wire is connected to **PIN 14** of the OBDII connector. Do not use T-Taps. Soldering or military splicing methods are recommended. If anything else is connected to the OBD2 or CAN wires of vehicle (programmer, throttle controller, insurance tracker, etc.) try unplugging it to see if gauges work. If gauges work without it installed, call tech support for options. Reset the RR.
No sound from Onstar or OEM Satellite (if equipped).	Make sure the audio cable is installed and inserted into the correct location on the radio.
Trying to use the OEM Satellite and get "Check Tuner" message.	In order to access the OEM Satellite you must go into the radio sources and look for the one that says "Satellite Radio". The SiriusXM source is not the same as the OEM Satellite source.
When listening to the OEM Satellite radio, the turn signals don't make the clicking noise, but they do in any other source.	This is normal. The audio for OEM Satellite radio and the turn signal clicks both come from the audio cable. The Maestro unit cannot process 2 different audio signals at the same time, so the OEM Satellite is priority.
There is no turn signal clicking noise.	Find OEM Setup in the radio settings. Under Vehicle Feature settings, look for Turn Signal Reminder. If it is set to "Chime If Left On", it will not click. If you wish to hear turn signal clicks, this setting must be set to "Click In Speaker".
No sound from the Bose system (If equipped).	Make sure the amplifier turn on wire (Blue/White) of the T-Harness is connected to the radio's amplifier turn on wire. When flashing the Maestro make sure that the Amplifier in OEM Systems to Retain is selected. Make sure the RCA's are connected to the radio or the speaker wires are connected depending on your installation method.
Vehicle had the Bose system and it was bypassed, now there are no chimes.	Remove the Maestro and reflash it, making sure you uncheck the Amplifier option in the OEM Systems section of the flash.
Audio is very quiet or very loud.	Non amplified vehicles: ensure the AMP adapter is NOT plugged in between the white 8 pin plugs. Amplified vehicles: ensure the AMP adapter IS plugged in between the white 8 pin plugs.
(Vehicle using a HRR-GM2 harness only) Backup camera is not working and displays a black screen on radio when in reverse.	Ensure the 2-pin yellow plug is connected as shown on the diagram.
The light on the Maestro is flashing **RED ONCE**.	There is no firmware on the module; flash the RR module.
The radio is **ON** and the light on the Maestro is blinking **RED TWICE**.	Ensure the 4-pin data cable is connected between the radio and the RR, and that it is plugged into the black port on the Maestro RR. The red and blue ports on the RR should be empty. Make sure the correct radio model and serial number were entered during the flash. Verify the radio's serial number entered during the flash matches what is listed on the radio screen. This can be found in the settings of the radio, listed as Device Id, Device Number, or Serial Number.
The light on the Maestro is blinking **RED TWICE** but radio **is NOT** turning on.	If installing a modular radio and it is not turning on, ensure the screen is secured and any trim pieces on the radio have been installed fully. Not installing these fully will prevent radio from powering up and show a 2x red error as well. Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.

TROUBLESHOOTING TABLE P2 /2

MAESTRO RR RESET PROCEDURE:

Turn the key to the OFF position, then disconnect all connectors from the module.
Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).
Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds to show the reset was successful.

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

IMPORTANT: To ensure proper operation, the aftermarket radio needs to have the latest firmware from the manufacturer. Please visit the radio manufacturer's website and look for any updates pertaining to your radio.

INSTALL GUIDE

2007-2011
CHEVROLET SILVERADO 2500 & 3500

RETAINS STEERING WHEEL CONTROLS, ONSTAR, BLUETOOTH, XM SATELLITE AND MORE!



PRODUCTS REQUIRED

iDatalink Maestro RR or RR2 Radio Replacement Interface
iDatalink Maestro HRR-GM5+ Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-GM05-DS

ADDITIONAL RESOURCES

Maestro RR2 Programmable Outputs Guide

OPTIONAL ACCESSORIES

K40 ELECTRONICS
ESCORT

Click here for:
Radar Installation Guides

ACC-SP1

HEAD UNIT ADAPTER:
ACC-HU-PIO1, SON1, KEN1, KEN2, ALP1

NOTICE: Automotive Data Solutions Inc. (ADS) recommends having this installation performed by a certified technician. Logos and trademarks used here in are the properties of their respective owners.

WELCOME

Congratulations on the purchase of your iDatalink Maestro RR Radio replacement solution. You are now a few simple steps away from enjoying your new car radio with enhanced features.

Before starting your installation, please ensure that your iDatalink Maestro module is programmed with the correct firmware for your vehicle and that you carefully review the install guide.

Please note that Maestro RR will only retain functionalities that were originally available in the vehicle.

TABLE OF CONTENTS

Before Installing	3
Installation Instructions	4
Wiring Diagram with an Amplifier	5
Wiring Diagram without an Amplifier	6
Radio Wire Reference Chart	7
Module Diagnostics	8
Troubleshooting Table	9

NEED HELP?

1 866 427-2999

maestro.support@idatalink.com

BEFORE INSTALLING P1 /1

STEP 1

DETERMINE IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

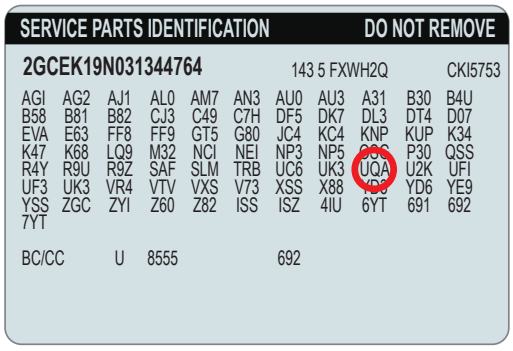
METHOD 1: Look for the following logos in the vehicle. They are usually on the speaker covers or on the radio unit. If you find any of the following logos Bose, Pioneer or Monsoon, you have a factory amplifier.

BOSE

Pioneer

MONSOON

METHOD 2: Look for the following sticker in the glove box. This sticker will indicate all the Regular Production Option (RPO) codes. If you find any of the following codes UQA, UQS or UQG, you have a factory amplifier.



STEP 2

IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **with an amplifier** and read the "**AMPLIFIER ONLY**" note to determine if you should use rca's or level matching circuits.

IF YOUR VEHICLE NOT IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **without an amplifier**.

Automotive Data Solutions Inc. © 2023

INSTALLATION INSTRUCTIONS P1/1

STEP 1

Remove the factory radio

If using head unit adapter (sold separately), connect HRR-GM5+ harness to adapter and skip to step 2.

- Unbox the aftermarket radio and locate its main harness.
- Cut and remove the black 20 pin connector from the HRR-GM5+ T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the HRR-GM5+ T-harness and match the wire functions.

  Note: only connect purple/white wire to radio reverse input or module damage will occur.

STEP 2

- Connect the factory harness to the HRR-GM5+ T-harness.
- Without AMP: Ensure that the WHITE 8 pin plugs are connected.
- With AMP: Connect the HRR-GM5+ 8 pin WHITE connectors to the AMP adapter.

STEP 3

- Connect HRR-GM5+ 2-pin black connector to black connector of OBDII extension harness.
- Plug the OBDII connector into the OBDII of the vehicle, under driver dash.

STEP 4

- Plug the harnesses into the aftermarket radio.
- Connect the backup camera RCA cable into the aftermarket radio.
- With AMP: Connect the Center and SUB RCA cables.
- Plug the Data cable to the data port of the aftermarket radio.
- Insert the Audio cable into the iDatalink 3.5 mm audio jack of the aftermarket radio (if there is no iDatalink audio input, connect to AUX).

  Note: On Pioneer radio, ensure that there is nothing plugged into the W/R port.

STEP 5

- Connect the ACC-SP1 speaker to Maestro module.
- Connect all the harnesses to the Maestro RR module then test your installation.

OnStar or warning chime adjust (Audio in vehicle speakers):

- Turn ignition (IGN) on
- Open driver's door

Select to adjust:

OnStar level - Press OnStar button.

Warning chime level - turn headlight switch to parking light position (not AUTO).

- Adjust volume using steering wheel volume up/down OR dimmer switch. If using dimmer switch, ensure headlight switch is NOT set to AUTO.

OnStar, turn signal, or warning chime adjust (Audio in GM5+ speaker):

- Find "OEM setup" menu in radio settings.

Under "Vehicle Features", select to adjust:

Onstar Volume - Level from 0-9

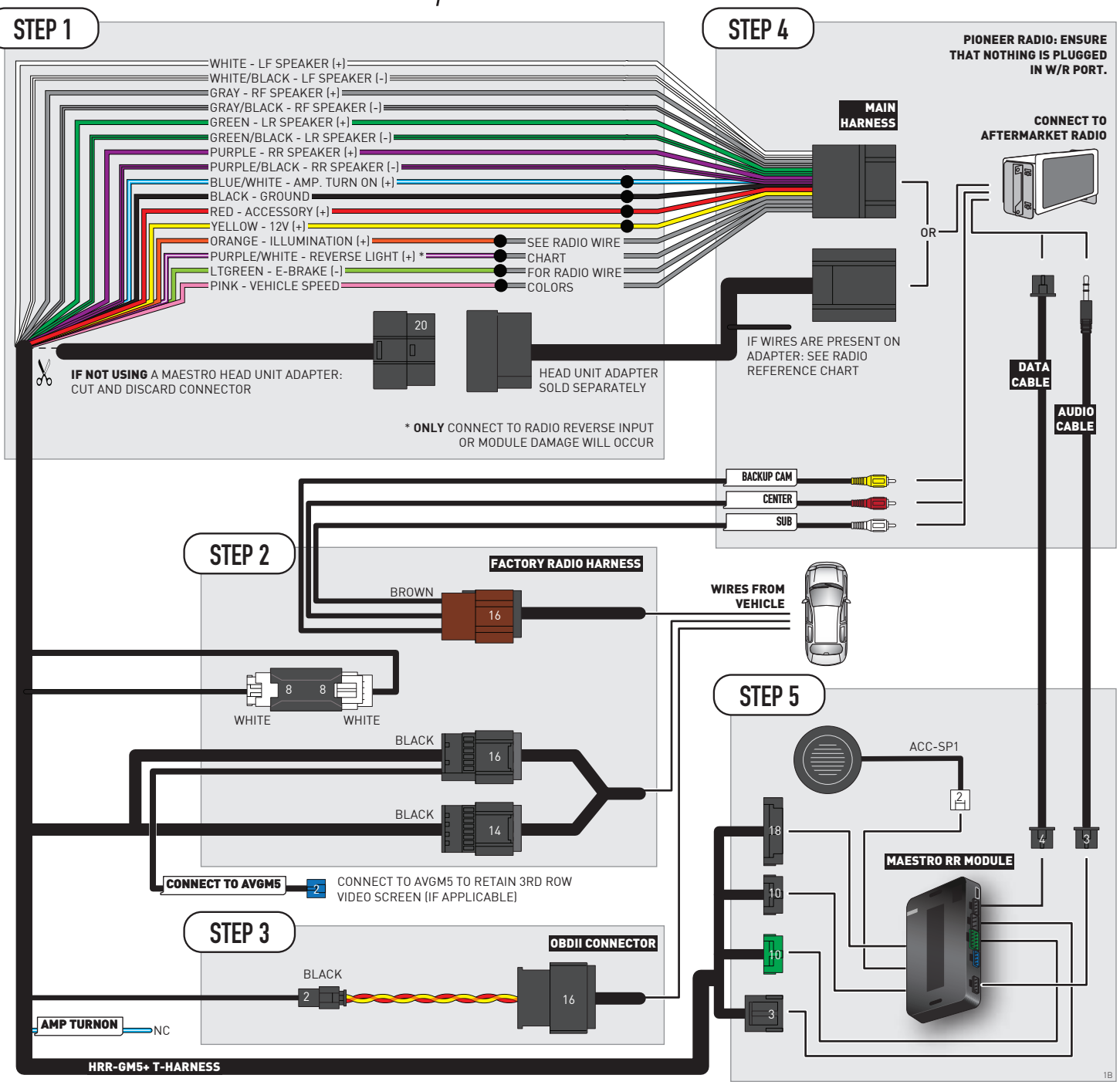
Chime Volume - Level from 0-9

Turn Signal Volume - 1-10

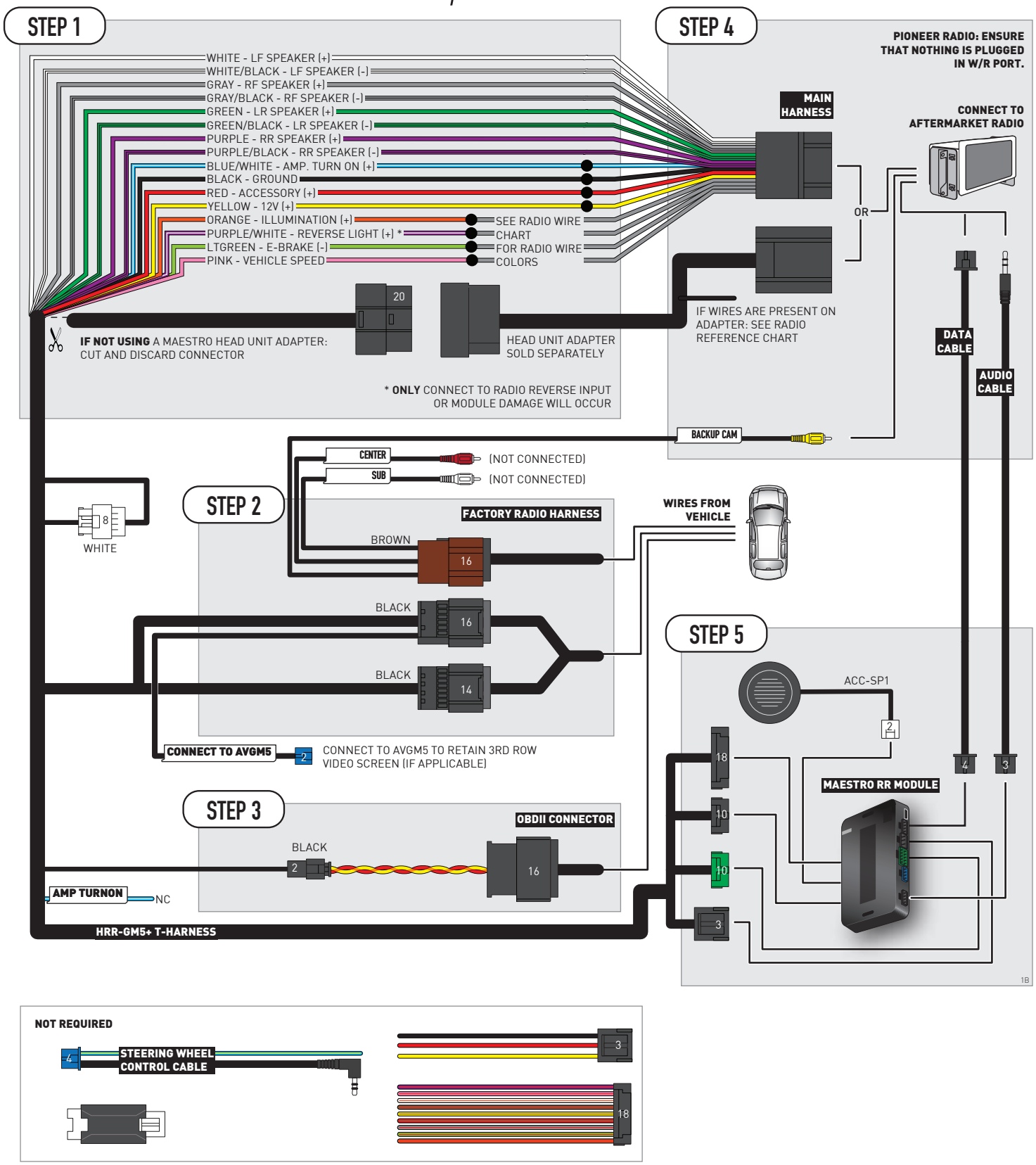
Turn Signal Reminder - Select "Click in speaker" for normal signal sounds. Select "Chime if left on" to only alert if turn signal is left on.

1

WIRING DIAGRAM *with an Amplifier*



WIRING DIAGRAM *without an Amplifier*



RADIO WIRE REFERENCE CHART

GM5+ (GM2) T-harness Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/ JVC cable	Wire Color on Pioneer cable	Wire Color on Sony cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light*	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A
Power Antenna	(+)	Blue	Blue	Blue	Blue/White	Blue or Blue/White

Head unit adapter wiring (optional accessory, sold separately)

ACC-HU-ALP1 Wire Description	Polarity	Wire Color on Adapter	Alpine Radio
VSS (vehicle speed sensor)	(DATA)	Green/White	Green/White

ACC-HU-KEN1 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
CAM	(+)	Green/Red	Refer to camera/radio manual
CAM	(-)	Green/White	Refer to camera/radio manual
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

ACC-HU-KEN2 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
E-Brake	(-)	LtGreen	LtGreen
Reverse Light*	(+)	Purple/White	Purple/White
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

* Reverse light wire: Only connect to radio or module damage will occur.

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 (RR2) Bluetooth activity	LED STATUS	DIAGNOSTIC
● or ●		RED or GREEN flashing	LED flashes 1 or more times, either red or green, **when a steering wheel button is pressed** : normal operation.
●		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do NOT use DEMO MODE.
●		2 RED flashes	Problem detected. Consult troubleshooting table.
●		1 GREEN flash	After radio boots up : Normal operation.
	●	3 GREEN flashes	Bluetooth is activated. Turns off after one minute: Normal operation.
●	●	OFF	Normal operation (inactive).

VIDEO HELP		Installation, product information, vehicle specific videos.
VERIFY FLASH		Last flash information, steering control configuration, vehicle information.
WEBLINK		Software to program module.

TROUBLESHOOTING TABLE P1 /2

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure OBDII connector is securely attached to the OBD2 connector of the vehicle. If you hardwired connections at the OBDII, check connections at the OBDII connector. Make sure the **RED/BROWN** wire is on **PIN 6** and the **YELLOW/BROWN** wire is connected to **PIN 14** of the OBDII connector. Do not use T-Taps. Soldering or military splicing methods are recommended. If anything else is connected to the OBD2 or CAN wires of vehicle (programmer, throttle controller, insurance tracker, etc.) try unplugging it to see if gauges work. If gauges work without it installed, call tech support for options. Reset the RR.
No sound from Onstar or OEM Satellite (if equipped).	Make sure the audio cable is installed and inserted into the correct location on the radio.
Trying to use the OEM Satellite and get "Check Tuner" message.	In order to access the OEM Satellite you must go into the radio sources and look for the one that says "Satellite Radio". The SiriusXM source is not the same as the OEM Satellite source.
When listening to the OEM Satellite radio, the turn signals don't make the clicking noise, but they do in any other source.	This is normal. The audio for OEM Satellite radio and the turn signal clicks both come from the audio cable. The Maestro unit cannot process 2 different audio signals at the same time, so the OEM Satellite is priority.
There is no turn signal clicking noise.	Find OEM Setup in the radio settings. Under Vehicle Feature settings, look for Turn Signal Reminder. If it is set to "Chime If Left On", it will not click. If you wish to hear turn signal clicks, this setting must be set to "Click In Speaker".
No sound from the Bose system (If equipped).	Make sure the amplifier turn on wire (Blue/White) of the T-Harness is connected to the radio's amplifier turn on wire. When flashing the Maestro make sure that the Amplifier in OEM Systems to Retain is selected. Make sure the RCA's are connected to the radio or the speaker wires are connected depending on your installation method.
Vehicle had the Bose system and it was bypassed, now there are no chimes.	Remove the Maestro and reflash it, making sure you uncheck the Amplifier option in the OEM Systems section of the flash.
Audio is very quiet or very loud.	Non amplified vehicles: ensure the AMP adapter is NOT plugged in between the white 8 pin plugs. Amplified vehicles: ensure the AMP adapter IS plugged in between the white 8 pin plugs.
(Vehicle using a HRR-GM2 harness only) Backup camera is not working and displays a black screen on radio when in reverse.	Ensure the 2-pin yellow plug is connected as shown on the diagram.
The light on the Maestro is flashing **RED ONCE**.	There is no firmware on the module; flash the RR module.
The radio is **ON** and the light on the Maestro is blinking **RED TWICE**.	Ensure the 4-pin data cable is connected between the radio and the RR, and that it is plugged into the black port on the Maestro RR. The red and blue ports on the RR should be empty. Make sure the correct radio model and serial number were entered during the flash. Verify the radio's serial number entered during the flash matches what is listed on the radio screen. This can be found in the settings of the radio, listed as Device Id, Device Number, or Serial Number.
The light on the Maestro is blinking **RED TWICE** but radio **is NOT** turning on.	If installing a modular radio and it is not turning on, ensure the screen is secured and any trim pieces on the radio have been installed fully. Not installing these fully will prevent radio from powering up and show a 2x red error as well. Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.

TROUBLESHOOTING TABLE P2 /2

MAESTRO RR RESET PROCEDURE:

Turn the key to the OFF position, then disconnect all connectors from the module.
Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).
Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds to show the reset was successful.

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

IMPORTANT: To ensure proper operation, the aftermarket radio needs to have the latest firmware from the manufacturer. Please visit the radio manufacturer's website and look for any updates pertaining to your radio.

INSTALL GUIDE

2012-2014
CHEVROLET SILVERADO 2500 & 3500
WITHOUT NAV

RETAINS STEERING WHEEL CONTROLS, ONSTAR, BLUETOOTH, XM SATELLITE AND MORE!



PRODUCTS REQUIRED

iDatalink Maestro RR or RR2 Radio Replacement Interface
iDatalink Maestro HRR-GM5+ Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-GM05-DS

ADDITIONAL RESOURCES

Maestro RR2 Programmable Outputs Guide

OPTIONAL ACCESSORIES

K40 ELECTRONICS
ESCORT

Click here for:
Radar Installation Guides

ACC-SP1

HEAD UNIT ADAPTER:
ACC-HU-PIO1, SON1, KEN1, KEN2, ALP1

NOTICE: Automotive Data Solutions Inc. (ADS) recommends having this installation performed by a certified technician. Logos and trademarks used here in are the properties of their respective owners.

WELCOME

Congratulations on the purchase of your iDatalink Maestro RR Radio replacement solution. You are now a few simple steps away from enjoying your new car radio with enhanced features.

Before starting your installation, please ensure that your iDatalink Maestro module is programmed with the correct firmware for your vehicle and that you carefully review the install guide.

Please note that Maestro RR will only retain functionalities that were originally available in the vehicle.

TABLE OF CONTENTS

Before Installing	3
Installation Instructions	4
Wiring Diagram with an Amplifier	5
Wiring Diagram without an Amplifier	6
Radio Wire Reference Chart	7
Module Diagnostics	8
Troubleshooting Table	9

NEED HELP?

1 866 427-2999

maestro.support@idatalink.com

BEFORE INSTALLING P1 /1

STEP 1

DETERMINE IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

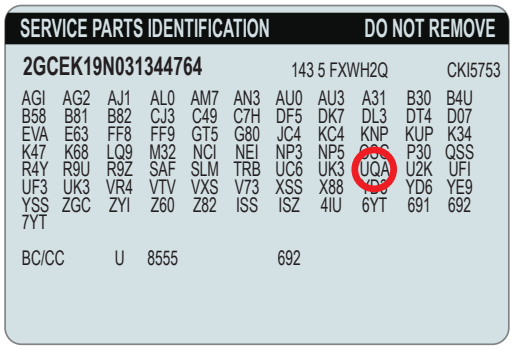
METHOD 1: Look for the following logos in the vehicle. They are usually on the speaker covers or on the radio unit. If you find any of the following logos Bose, Pioneer or Monsoon, you have a factory amplifier.

BOSE

Pioneer

MONSOON

METHOD 2: Look for the following sticker in the glove box. This sticker will indicate all the Regular Production Option (RPO) codes. If you find any of the following codes UQA, UQS or UQG, you have a factory amplifier.



STEP 2

IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **with an amplifier** and read the "**AMPLIFIER ONLY**" note to determine if you should use rca's or level matching circuits.

IF YOUR VEHICLE NOT IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **without an amplifier**.

INSTALLATION INSTRUCTIONS P1/1

STEP 1

Remove the factory radio

If using head unit adapter (sold separately), connect HRR-GM5+ harness to adapter and skip to step 2.

- Unbox the aftermarket radio and locate its main harness.
- Cut and remove the black 20 pin connector from the HRR-GM5+ T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the HRR-GM5+ T-harness and match the wire functions.

  Note: only connect purple/white wire to radio reverse input or module damage will occur.

STEP 2

- Connect the factory harness to the HRR-GM5+ T-harness.
- Without AMP: Ensure that the WHITE 8 pin plugs are connected.
- With AMP: Connect the HRR-GM5+ 8 pin WHITE connectors to the AMP adapter.

STEP 3

- Connect HRR-GM5+ 2-pin black connector to black connector of OBDII extension harness.
- Plug the OBDII connector into the OBDII of the vehicle, under driver dash.

STEP 4

- Plug the harnesses into the aftermarket radio.
- Connect the backup camera RCA cable into the aftermarket radio.
- With AMP: Connect the Center and SUB RCA cables.
- Plug the Data cable to the data port of the aftermarket radio.
- Insert the Audio cable into the iDatalink 3.5 mm audio jack of the aftermarket radio (if there is no iDatalink audio input, connect to AUX).

  Note: On Pioneer radio, ensure that there is nothing plugged into the W/R port.

STEP 5

- Connect the ACC-SP1 speaker to Maestro module.
- Connect all the harnesses to the Maestro RR module then test your installation.

OnStar or warning chime adjust (Audio in vehicle speakers):

- Turn ignition (IGN) on
- Open driver's door

Select to adjust:

OnStar level - Press OnStar button.

Warning chime level - turn headlight switch to parking light position (not AUTO).

- Adjust volume using steering wheel volume up/down OR dimmer switch. If using dimmer switch, ensure headlight switch is NOT set to AUTO.

OnStar, turn signal, or warning chime adjust (Audio in GM5+ speaker):

- Find "OEM setup" menu in radio settings.

Under "Vehicle Features", select to adjust:

Onstar Volume - Level from 0-9

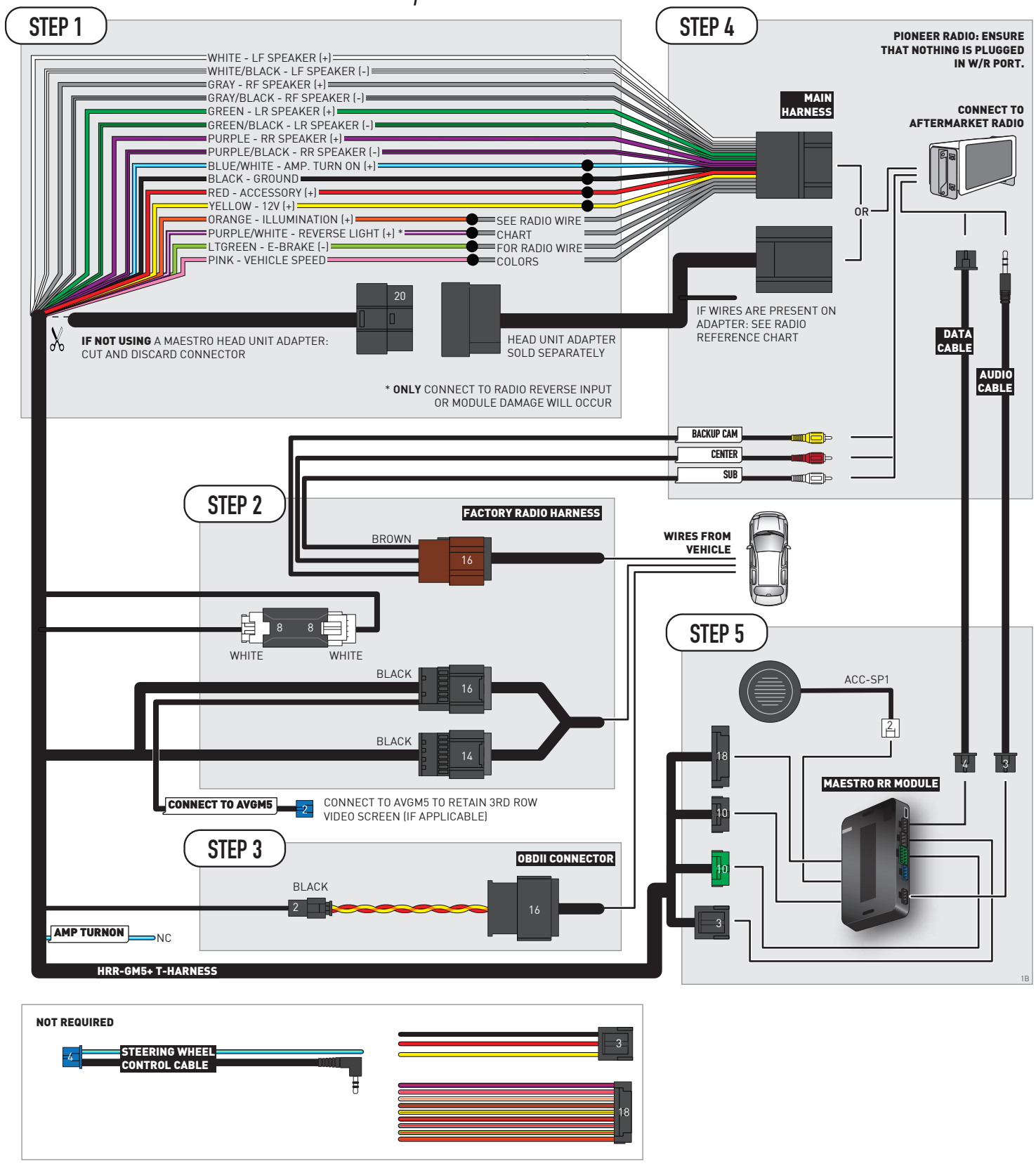
Chime Volume - Level from 0-9

Turn Signal Volume - 1-10

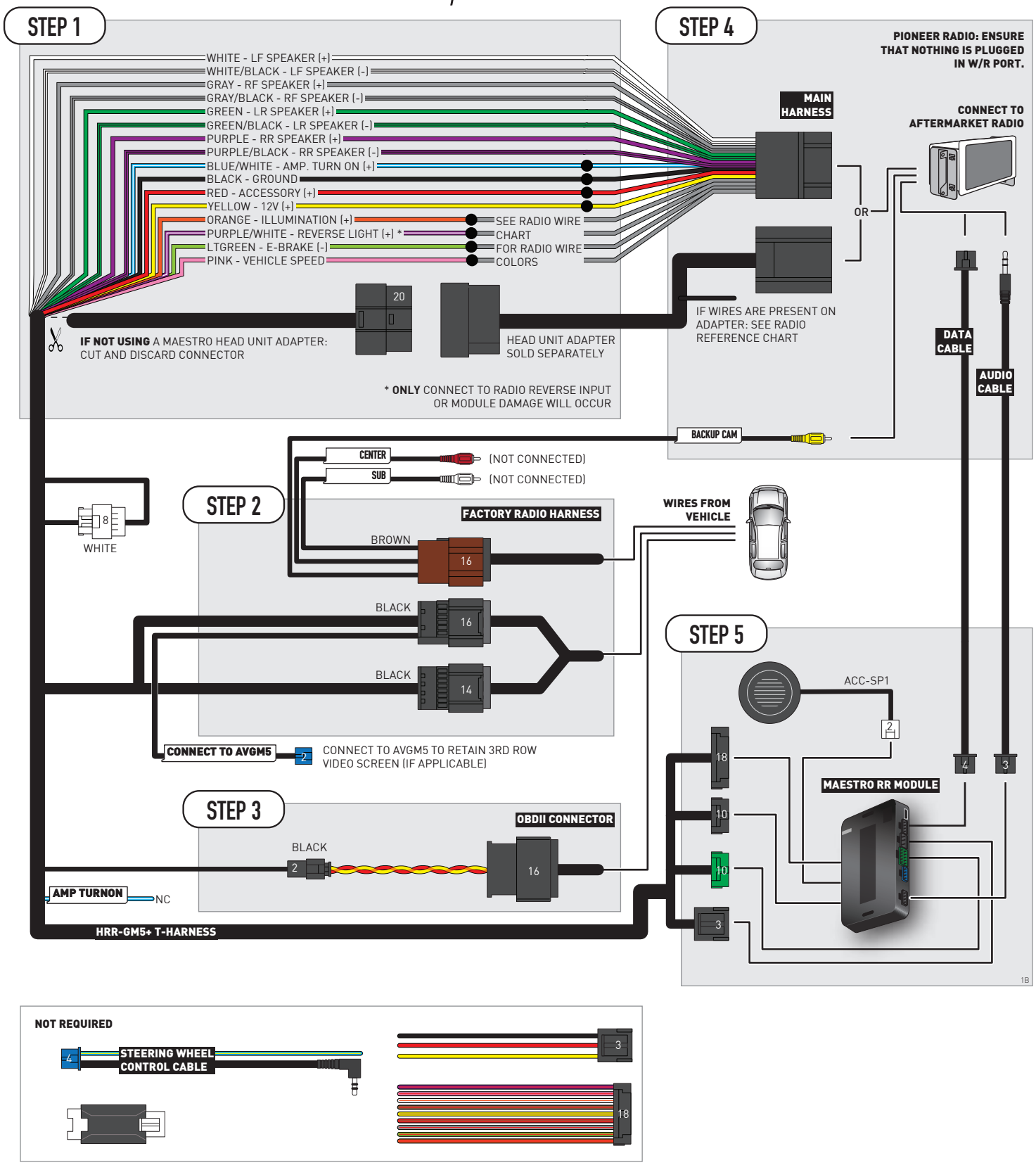
Turn Signal Reminder - Select "Click in speaker" for normal signal sounds. Select "Chime if left on" to only alert if turn signal is left on.

Automotive Data Solutions Inc. © 2023

WIRING DIAGRAM *with an Amplifier*



WIRING DIAGRAM *without an Amplifier*



RADIO WIRE REFERENCE CHART

GM5+ (GM2) T-harness Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/ JVC cable	Wire Color on Pioneer cable	Wire Color on Sony cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light*	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A
Power Antenna	(+)	Blue	Blue	Blue	Blue/White	Blue or Blue/White

Head unit adapter wiring (optional accessory, sold separately)

ACC-HU-ALP1 Wire Description	Polarity	Wire Color on Adapter	Alpine Radio
VSS (vehicle speed sensor)	(DATA)	Green/White	Green/White

ACC-HU-KEN1 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
CAM	(+)	Green/Red	Refer to camera/radio manual
CAM	(-)	Green/White	Refer to camera/radio manual
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

ACC-HU-KEN2 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
E-Brake	(-)	LtGreen	LtGreen
Reverse Light*	(+)	Purple/White	Purple/White
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

* Reverse light wire: Only connect to radio or module damage will occur.

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 (RR2) Bluetooth activity	LED STATUS	DIAGNOSTIC
● or ●		RED or GREEN flashing	LED flashes 1 or more times, either red or green, **when a steering wheel button is pressed** : normal operation.
●		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do NOT use DEMO MODE.
●		2 RED flashes	Problem detected. Consult troubleshooting table.
●		1 GREEN flash	After radio boots up : Normal operation.
	●	3 GREEN flashes	Bluetooth is activated. Turns off after one minute: Normal operation.
●	●	OFF	Normal operation (inactive).

VIDEO HELP		Installation, product information, vehicle specific videos.
VERIFY FLASH		Last flash information, steering control configuration, vehicle information.
WEBLINK		Software to program module.

TROUBLESHOOTING TABLE P1 /2

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure OBDII connector is securely attached to the OBD2 connector of the vehicle. If you hardwired connections at the OBDII, check connections at the OBDII connector. Make sure the **RED/BROWN** wire is on **PIN 6** and the **YELLOW/BROWN** wire is connected to **PIN 14** of the OBDII connector. Do not use T-Taps. Soldering or military splicing methods are recommended. If anything else is connected to the OBD2 or CAN wires of vehicle (programmer, throttle controller, insurance tracker, etc.) try unplugging it to see if gauges work. If gauges work without it installed, call tech support for options. Reset the RR.
No sound from Onstar or OEM Satellite (if equipped).	Make sure the audio cable is installed and inserted into the correct location on the radio.
Trying to use the OEM Satellite and get "Check Tuner" message.	In order to access the OEM Satellite you must go into the radio sources and look for the one that says "Satellite Radio". The SiriusXM source is not the same as the OEM Satellite source.
When listening to the OEM Satellite radio, the turn signals don't make the clicking noise, but they do in any other source.	This is normal. The audio for OEM Satellite radio and the turn signal clicks both come from the audio cable. The Maestro unit cannot process 2 different audio signals at the same time, so the OEM Satellite is priority.
There is no turn signal clicking noise.	Find OEM Setup in the radio settings. Under Vehicle Feature settings, look for Turn Signal Reminder. If it is set to "Chime If Left On", it will not click. If you wish to hear turn signal clicks, this setting must be set to "Click In Speaker".
No sound from the Bose system (If equipped).	Make sure the amplifier turn on wire (Blue/White) of the T-Harness is connected to the radio's amplifier turn on wire. When flashing the Maestro make sure that the Amplifier in OEM Systems to Retain is selected. Make sure the RCA's are connected to the radio or the speaker wires are connected depending on your installation method.
Vehicle had the Bose system and it was bypassed, now there are no chimes.	Remove the Maestro and reflash it, making sure you uncheck the Amplifier option in the OEM Systems section of the flash.
Audio is very quiet or very loud.	Non amplified vehicles: ensure the AMP adapter is NOT plugged in between the white 8 pin plugs. Amplified vehicles: ensure the AMP adapter IS plugged in between the white 8 pin plugs.
(Vehicle using a HRR-GM2 harness only) Backup camera is not working and displays a black screen on radio when in reverse.	Ensure the 2-pin yellow plug is connected as shown on the diagram.
The light on the Maestro is flashing **RED ONCE**.	There is no firmware on the module; flash the RR module.
The radio is **ON** and the light on the Maestro is blinking **RED TWICE**.	Ensure the 4-pin data cable is connected between the radio and the RR, and that it is plugged into the black port on the Maestro RR. The red and blue ports on the RR should be empty. Make sure the correct radio model and serial number were entered during the flash. Verify the radio's serial number entered during the flash matches what is listed on the radio screen. This can be found in the settings of the radio, listed as Device Id, Device Number, or Serial Number.
The light on the Maestro is blinking **RED TWICE** but radio **is NOT** turning on.	If installing a modular radio and it is not turning on, ensure the screen is secured and any trim pieces on the radio have been installed fully. Not installing these fully will prevent radio from powering up and show a 2x red error as well. Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.

TROUBLESHOOTING TABLE P2 /2

MAESTRO RR RESET PROCEDURE:

Turn the key to the OFF position, then disconnect all connectors from the module.
Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).
Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds to show the reset was successful.

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

IMPORTANT: To ensure proper operation, the aftermarket radio needs to have the latest firmware from the manufacturer. Please visit the radio manufacturer's website and look for any updates pertaining to your radio.

INSTALL GUIDE

2012-2014
CHEVROLET SILVERADO 2500
WITH NAV

RETAINS STEERING WHEEL CONTROLS, ONSTAR, BLUETOOTH, XM SATELLITE AND MORE!



PRODUITS REQUIS
Interface de remplacement d'autoradio: iDatalink Maestro RR ou RR2
Câblage : iDatalink Maestro HRR-GM2

PROGRAMMED FIRMWARE
ADS-RR(SR)-GM05-DS

ADDITIONAL RESOURCES
Maestro RR2 Programmable Outputs Guide

OPTIONAL ACCESSORIES
K40 ELECTRONICS
ESCORT
ACC-SP1

Click here for:
Radar Installation Guides

HEAD UNIT ADAPTER:
ACC-HU-PIO1, SON1, KEN1, KEN2, ALP1

NOTICE: Automotive Data Solutions Inc. (ADS) recommends having this installation performed by a certified technician. Logos and trademarks used here in are the properties of their respective owners.

WELCOME

Congratulations on the purchase of your iDatalink Maestro RR Radio replacement solution. You are now a few simple steps away from enjoying your new car radio with enhanced features.

Before starting your installation, please ensure that your iDatalink Maestro module is programmed with the correct firmware for your vehicle and that you carefully review the install guide.

Please note that Maestro RR will only retain functionalities that were originally available in the vehicle.

TABLE OF CONTENTS

Before Installing	3
Installation Instructions	4
Wiring Diagram with an Amplifier	5
Wiring Diagram without an Amplifier	6
Radio Wire Reference Chart	7
Module Diagnostics	8
Troubleshooting Table	9

NEED HELP?

1 866 427-2999

maestro.support@idatalink.com

BEFORE INSTALLING P1 /1

STEP 1

DETERMINE IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

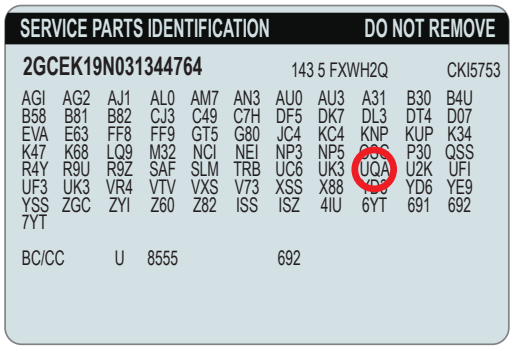
METHOD 1: Look for the following logos in the vehicle. They are usually on the speaker covers or on the radio unit. If you find any of the following logos Bose, Pioneer or Monsoon, you have a factory amplifier.

BOSE

Pioneer

MONSOON

METHOD 2: Look for the following sticker in the glove box. This sticker will indicate all the Regular Production Option (RPO) codes. If you find any of the following codes UQA, UQS or UQG, you have a factory amplifier.



STEP 2

IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **with an amplifier** and read the "**AMPLIFIER ONLY**" note to determine if you should use rca's or level matching circuits.

IF YOUR VEHICLE NOT IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **without an amplifier**.

Automotive Data Solutions Inc. © 2023

INSTALLATION INSTRUCTIONS P1/1

STEP 1

Remove the factory radio

If using head unit adapter (sold separately), connect HRR-GM2 harness to adapter and skip to step 2.

- Unbox the aftermarket radio and locate its main harness.
- Cut and remove the black 20 pin connector from the HRR-GM2 T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the HRR-GM2 T-harness and match the wire functions.

  Note: only connect purple/white wire to radio reverse input or module damage will occur.

STEP 2

- Connect the YELLOW 2 pin connector of the backup camera cable to the YELLOW connector (CAM 1) of the backup camera adapter. Connect GRAY connector of adapter to the vehicle backup camera harness.

STEP 3

- Connect the factory harness to the HRR-GM2 T-harness.
- Ensure that the RED 2 pin plugs are connected.
- Without AMP: Ensure that the WHITE 8 pin plugs are connected.
- With AMP: Connect the HRR-GM2 8 pin WHITE connectors to the AMP adapter.

STEP 4

- Connect HRR-GM2 2-pin black connector to black connector of OBDII extension harness.
- Plug the OBDII connector into the OBDII of the vehicle, under driver dash.

STEP 5

- Plug the harnesses into the aftermarket radio.
- Connect the backup camera RCA cable into the aftermarket radio.
- Plug the Data cable to the data port of the aftermarket radio.
- Insert the Audio cable into the iDatalink 3.5 mm audio jack of the aftermarket radio (if there is no iDatalink audio input, connect to AUX).

Note: On Pioneer radio, ensure that there is nothing plugged into the W/R port.

STEP 6

- Connect the ACC-SP1 speaker to Maestro module.
- Connect all the harnesses to the Maestro RR module then test your installation.

OnStar or warning chime adjust (Audio in vehicle speakers):

- Turn ignition (IGN) on
- Open driver's door

Select to adjust:

OnStar level - Press OnStar button.

Warning chime level - turn headlight switch to parking light position (not AUTO).

- Adjust volume using steering wheel volume up/down OR dimmer switch. If using dimmer switch, ensure headlight switch is NOT set to AUTO.

OnStar, turn signal, or warning chime adjust (Audio in GM5+ speaker):

- Find "OEM setup" menu in radio settings.

Under "Vehicle Features", select to adjust:

Onstar Volume - Level from 0-9

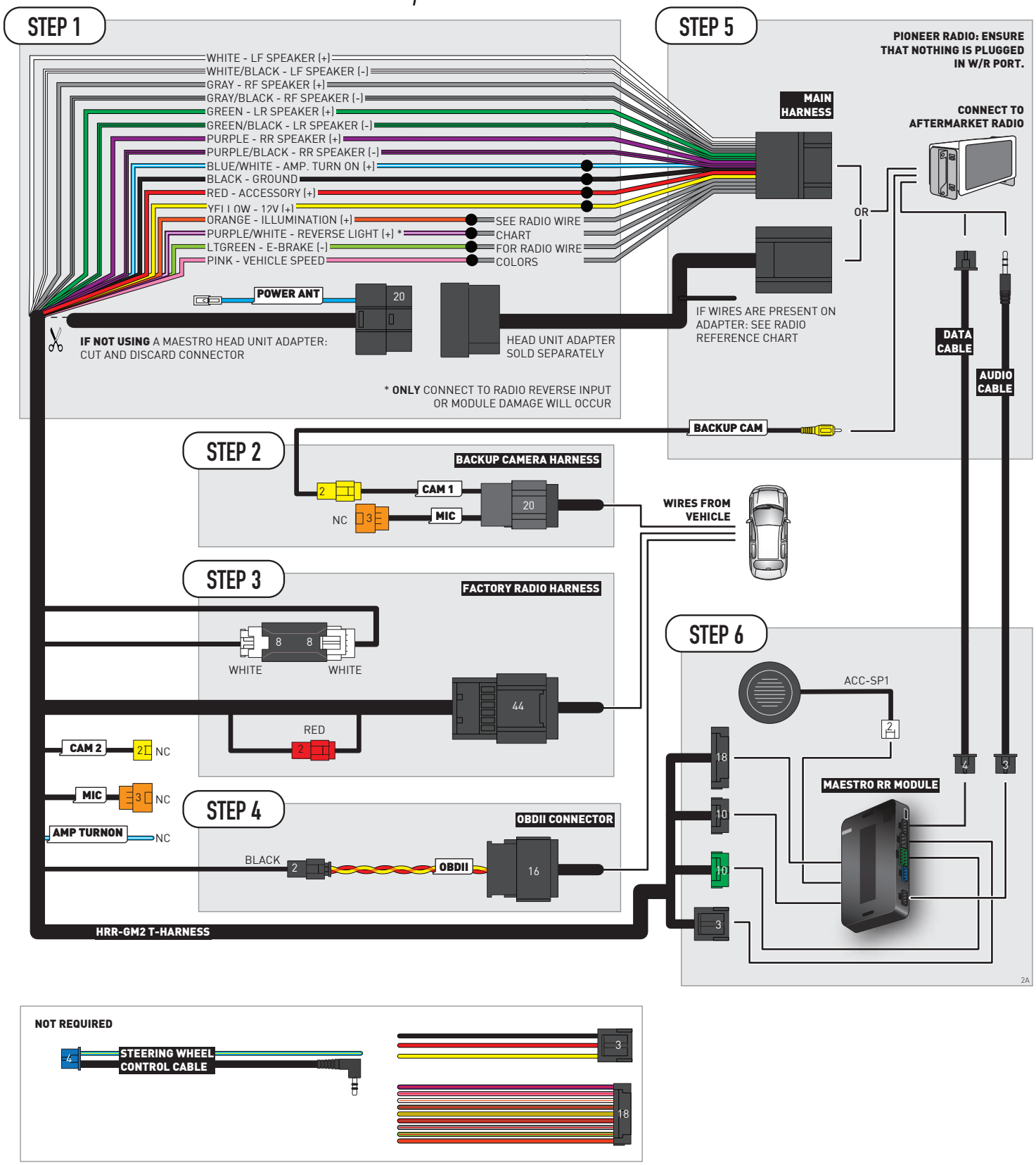
Chime Volume - Level from 0-9

Turn Signal Volume - 1-10

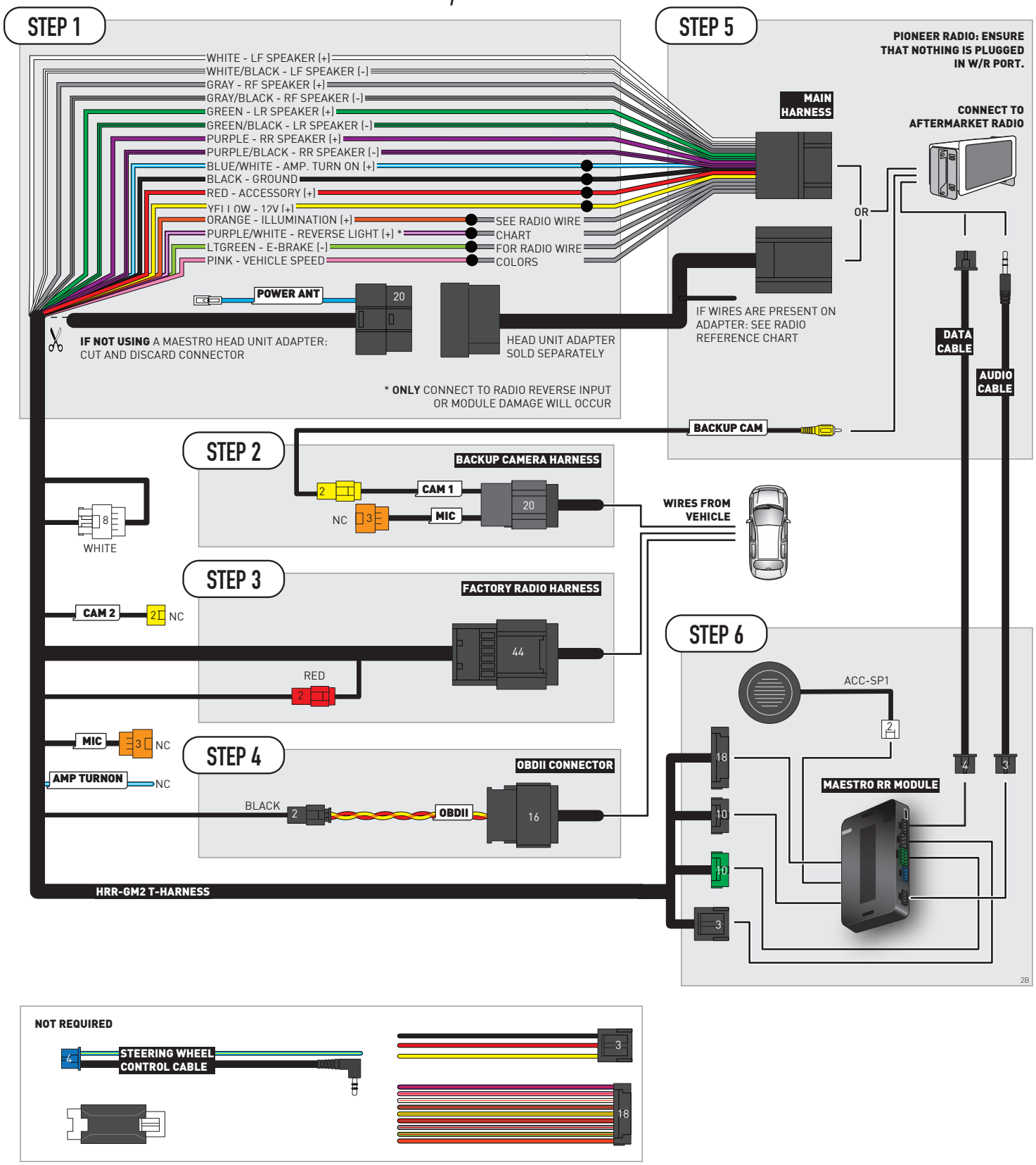
Turn Signal Reminder - Select "Click in speaker" for normal signal sounds. Select "Chime if left on" to only alert if turn signal is left on.

Automotive Data Solutions Inc. © 2023

WIRING DIAGRAM *with an Amplifier*



WIRING DIAGRAM *without an Amplifier*



RADIO WIRE REFERENCE CHART

GM5+ (GM2) T-harness Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/ JVC cable	Wire Color on Pioneer cable	Wire Color on Sony cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light*	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A
Power Antenna	(+)	Blue	Blue	Blue	Blue/White	Blue or Blue/White

Head unit adapter wiring (optional accessory, sold separately)

ACC-HU-ALP1 Wire Description	Polarity	Wire Color on Adapter	Alpine Radio
VSS (vehicle speed sensor)	(DATA)	Green/White	Green/White

ACC-HU-KEN1 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
CAM	(+)	Green/Red	Refer to camera/radio manual
CAM	(-)	Green/White	Refer to camera/radio manual
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

ACC-HU-KEN2 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
E-Brake	(-)	LtGreen	LtGreen
Reverse Light*	(+)	Purple/White	Purple/White
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

* Reverse light wire: Only connect to radio or module damage will occur.

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 (RR2) Bluetooth activity	LED STATUS	DIAGNOSTIC
● or ●		RED or GREEN flashing	LED flashes 1 or more times, either red or green, **when a steering wheel button is pressed** : normal operation.
●		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do NOT use DEMO MODE.
●		2 RED flashes	Problem detected. Consult troubleshooting table.
●		1 GREEN flash	After radio boots up : Normal operation.
	●	3 GREEN flashes	Bluetooth is activated. Turns off after one minute: Normal operation.
●	●	OFF	Normal operation (inactive).

VIDEO HELP		Installation, product information, vehicle specific videos.
VERIFY FLASH		Last flash information, steering control configuration, vehicle information.
WEBLINK		Software to program module.

TROUBLESHOOTING TABLE P1 /2

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure OBDII connector is securely attached to the OBD2 connector of the vehicle. If you hardwired connections at the OBDII, check connections at the OBDII connector. Make sure the **RED/BROWN** wire is on **PIN 6** and the **YELLOW/BROWN** wire is connected to **PIN 14** of the OBDII connector. Do not use T-Taps. Soldering or military splicing methods are recommended. If anything else is connected to the OBD2 or CAN wires of vehicle (programmer, throttle controller, insurance tracker, etc.) try unplugging it to see if gauges work. If gauges work without it installed, call tech support for options. Reset the RR.
No sound from Onstar or OEM Satellite (if equipped).	Make sure the audio cable is installed and inserted into the correct location on the radio.
Trying to use the OEM Satellite and get "Check Tuner" message.	In order to access the OEM Satellite you must go into the radio sources and look for the one that says "Satellite Radio". The SiriusXM source is not the same as the OEM Satellite source.
When listening to the OEM Satellite radio, the turn signals don't make the clicking noise, but they do in any other source.	This is normal. The audio for OEM Satellite radio and the turn signal clicks both come from the audio cable. The Maestro unit cannot process 2 different audio signals at the same time, so the OEM Satellite is priority.
There is no turn signal clicking noise.	Find OEM Setup in the radio settings. Under Vehicle Feature settings, look for Turn Signal Reminder. If it is set to "Chime If Left On", it will not click. If you wish to hear turn signal clicks, this setting must be set to "Click In Speaker".
No sound from the Bose system (If equipped).	Make sure the amplifier turn on wire (Blue/White) of the T-Harness is connected to the radio's amplifier turn on wire. When flashing the Maestro make sure that the Amplifier in OEM Systems to Retain is selected. Make sure the RCA's are connected to the radio or the speaker wires are connected depending on your installation method.
Vehicle had the Bose system and it was bypassed, now there are no chimes.	Remove the Maestro and reflash it, making sure you uncheck the Amplifier option in the OEM Systems section of the flash.
Audio is very quiet or very loud.	Non amplified vehicles: ensure the AMP adapter is NOT plugged in between the white 8 pin plugs. Amplified vehicles: ensure the AMP adapter IS plugged in between the white 8 pin plugs.
(Vehicle using a HRR-GM2 harness only) Backup camera is not working and displays a black screen on radio when in reverse.	Ensure the 2-pin yellow plug is connected as shown on the diagram.
The light on the Maestro is flashing **RED ONCE**.	There is no firmware on the module; flash the RR module.
The radio is **ON** and the light on the Maestro is blinking **RED TWICE**.	Ensure the 4-pin data cable is connected between the radio and the RR, and that it is plugged into the black port on the Maestro RR. The red and blue ports on the RR should be empty. Make sure the correct radio model and serial number were entered during the flash. Verify the radio's serial number entered during the flash matches what is listed on the radio screen. This can be found in the settings of the radio, listed as Device Id, Device Number, or Serial Number.
The light on the Maestro is blinking **RED TWICE** but radio **is NOT** turning on.	If installing a modular radio and it is not turning on, ensure the screen is secured and any trim pieces on the radio have been installed fully. Not installing these fully will prevent radio from powering up and show a 2x red error as well. Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.

TROUBLESHOOTING TABLE P2 /2

MAESTRO RR RESET PROCEDURE:

Turn the key to the OFF position, then disconnect all connectors from the module.
Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).
Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds to show the reset was successful.

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

IMPORTANT: To ensure proper operation, the aftermarket radio needs to have the latest firmware from the manufacturer. Please visit the radio manufacturer's website and look for any updates pertaining to your radio.

INSTALL GUIDE

2007-2011
CHEVROLET SUBURBAN

RETAINS STEERING WHEEL CONTROLS, ONSTAR, BLUETOOTH, XM SATELLITE AND MORE!



PRODUCTS REQUIRED

iDatalink Maestro RR or RR2 Radio Replacement Interface
iDatalink Maestro HRR-GM5+ Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-GM05-DS

ADDITIONAL RESOURCES

Maestro RR2 Programmable Outputs Guide

OPTIONAL ACCESSORIES

K40 ELECTRONICS
ESCORT

Click here for:
Radar Installation Guides

ACC-SP1

HEAD UNIT ADAPTER:
ACC-HU-PIO1, SON1, KEN1, KEN2, ALP1

NOTICE: Automotive Data Solutions Inc. (ADS) recommends having this installation performed by a certified technician. Logos and trademarks used here in are the properties of their respective owners.

WELCOME

Congratulations on the purchase of your iDatalink Maestro RR Radio replacement solution. You are now a few simple steps away from enjoying your new car radio with enhanced features.

Before starting your installation, please ensure that your iDatalink Maestro module is programmed with the correct firmware for your vehicle and that you carefully review the install guide.

Please note that Maestro RR will only retain functionalities that were originally available in the vehicle.

TABLE OF CONTENTS

Before Installing	3
Installation Instructions	4
Wiring Diagram with an Amplifier	5
Wiring Diagram without an Amplifier	6
Radio Wire Reference Chart	7
Module Diagnostics	8
Troubleshooting Table	9

NEED HELP?

1 866 427-2999

maestro.support@idatalink.com

BEFORE INSTALLING P1 /1

STEP 1

DETERMINE IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

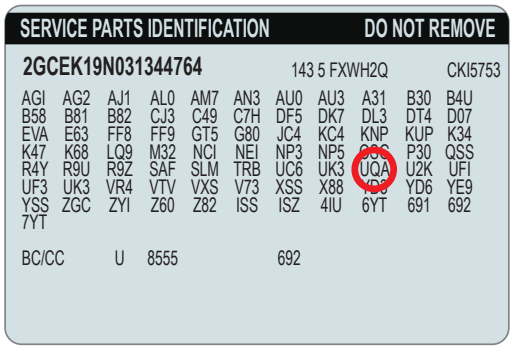
METHOD 1: Look for the following logos in the vehicle. They are usually on the speaker covers or on the radio unit. If you find any of the following logos Bose, Pioneer or Monsoon, you have a factory amplifier.

BOSE

Pioneer

MONSOON

METHOD 2: Look for the following sticker in the glove box. This sticker will indicate all the Regular Production Option (RPO) codes. If you find any of the following codes UQA, UQS or UQG, you have a factory amplifier.



STEP 2

IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **with an amplifier** and read the "**AMPLIFIER ONLY**" note to determine if you should use rca's or level matching circuits.

IF YOUR VEHICLE NOT IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **without an amplifier**.

Automotive Data Solutions Inc. © 2023

INSTALLATION INSTRUCTIONS P1/1

STEP 1

Remove the factory radio

If using head unit adapter (sold separately), connect HRR-GM5+ harness to adapter and skip to step 2.

- Unbox the aftermarket radio and locate its main harness.
- Cut and remove the black 20 pin connector from the HRR-GM5+ T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the HRR-GM5+ T-harness and match the wire functions.

  Note: only connect purple/white wire to radio reverse input or module damage will occur.

STEP 2

- Connect the factory harness to the HRR-GM5+ T-harness.
- Without AMP: Ensure that the WHITE 8 pin plugs are connected.
- With AMP: Connect the HRR-GM5+ 8 pin WHITE connectors to the AMP adapter.

STEP 3

- Connect HRR-GM5+ 2-pin black connector to black connector of OBDII extension harness.
- Plug the OBDII connector into the OBDII of the vehicle, under driver dash.

STEP 4

- Plug the harnesses into the aftermarket radio.
- Connect the backup camera RCA cable into the aftermarket radio.
- With AMP: Connect the Center and SUB RCA cables.
- Plug the Data cable to the data port of the aftermarket radio.
- Insert the Audio cable into the iDatalink 3.5 mm audio jack of the aftermarket radio (if there is no iDatalink audio input, connect to AUX).

  Note: On Pioneer radio, ensure that there is nothing plugged into the W/R port.

STEP 5

- Connect the ACC-SP1 speaker to Maestro module.
- Connect all the harnesses to the Maestro RR module then test your installation.

OnStar or warning chime adjust (Audio in vehicle speakers):

- Turn ignition (IGN) on
- Open driver's door

Select to adjust:

OnStar level - Press OnStar button.

Warning chime level - turn headlight switch to parking light position (not AUTO).

- Adjust volume using steering wheel volume up/down OR dimmer switch. If using dimmer switch, ensure headlight switch is NOT set to AUTO.

OnStar, turn signal, or warning chime adjust (Audio in GM5+ speaker):

- Find "OEM setup" menu in radio settings.

Under "Vehicle Features", select to adjust:

Onstar Volume - Level from 0-9

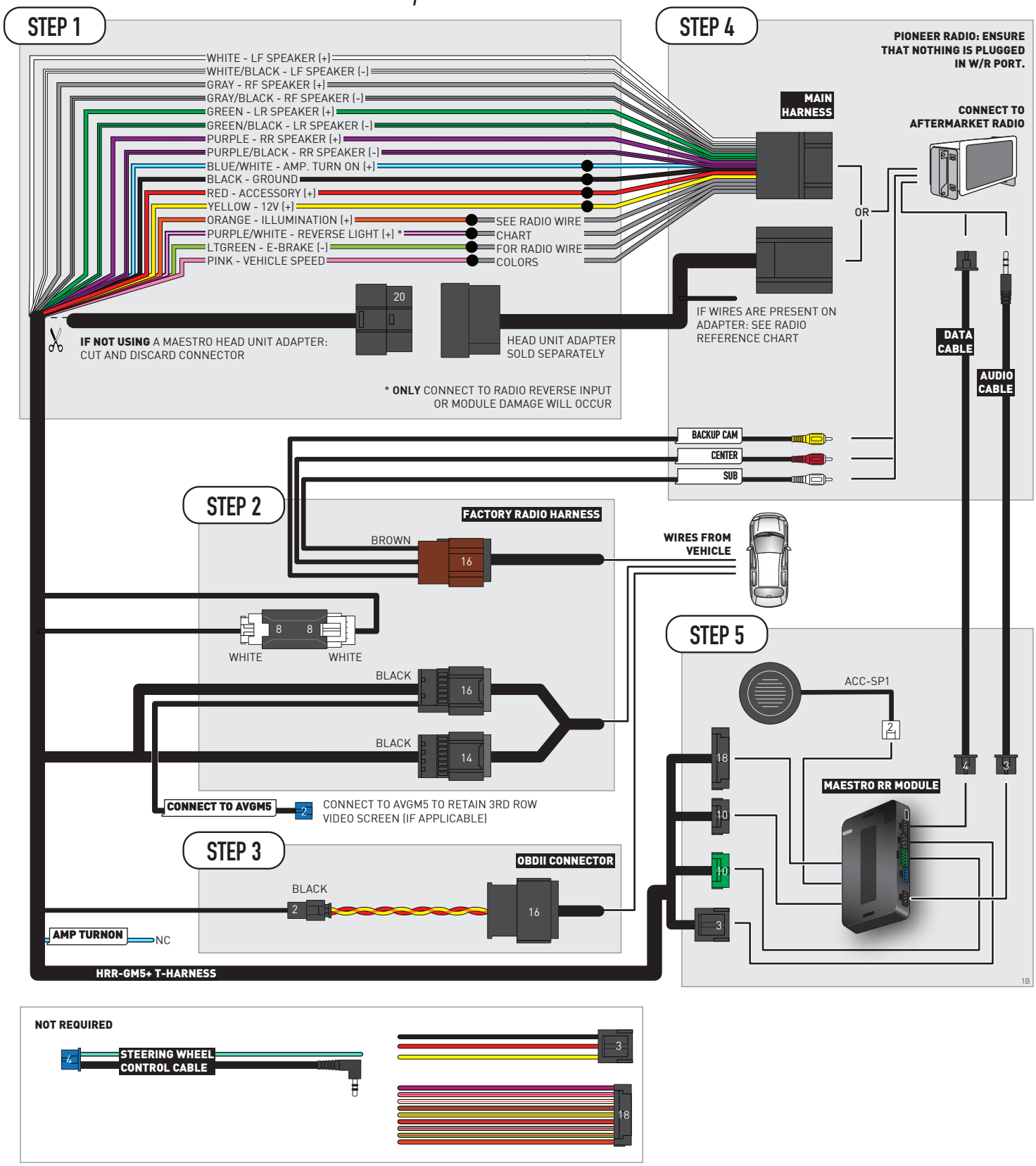
Chime Volume - Level from 0-9

Turn Signal Volume - 1-10

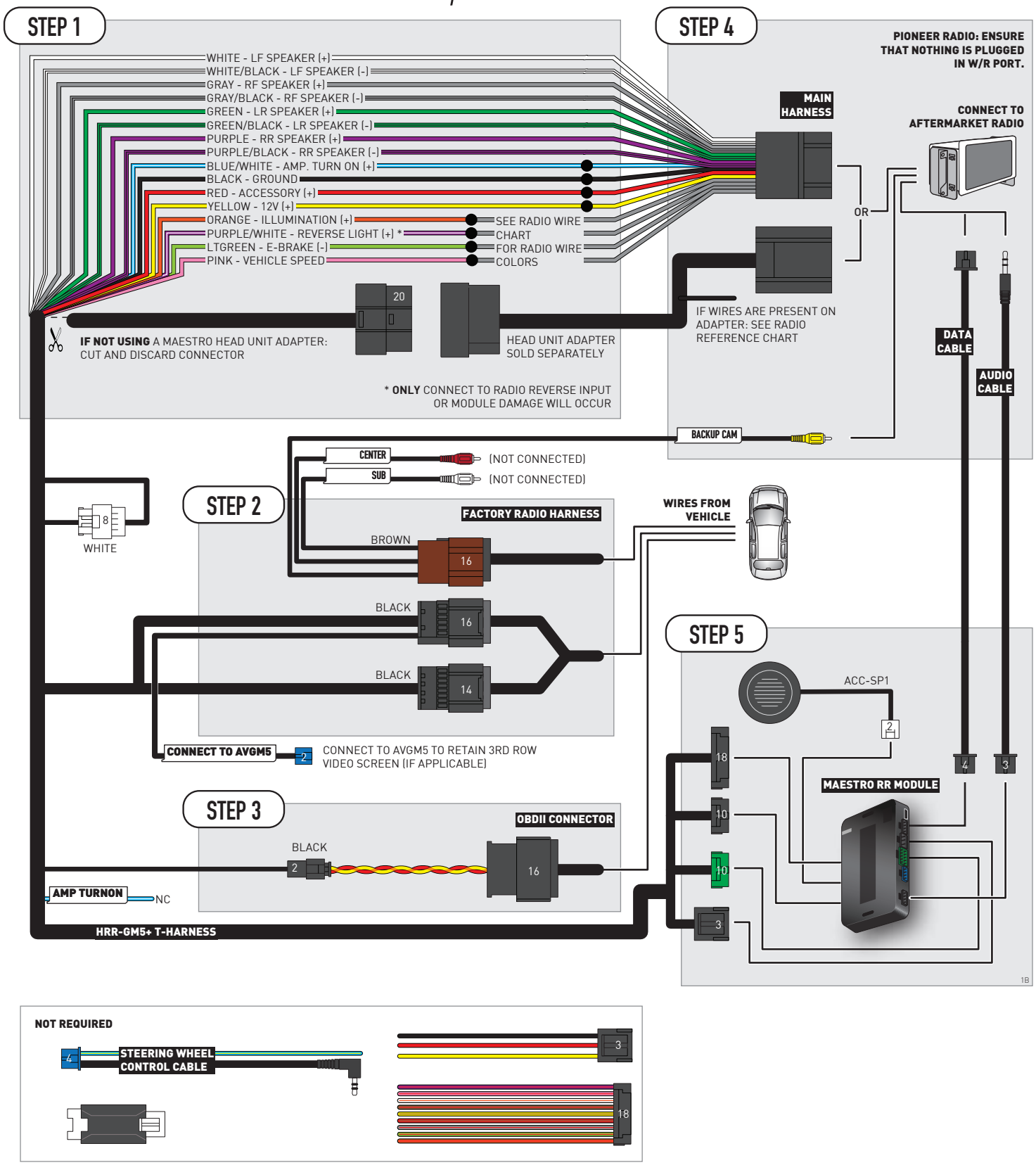
Turn Signal Reminder - Select "Click in speaker" for normal signal sounds. Select "Chime if left on" to only alert if turn signal is left on.

Automotive Data Solutions Inc. © 2023

WIRING DIAGRAM *with an Amplifier*



WIRING DIAGRAM *without an Amplifier*



RADIO WIRE REFERENCE CHART

GM5+ (GM2) T-harness Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/ JVC cable	Wire Color on Pioneer cable	Wire Color on Sony cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light*	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A
Power Antenna	(+)	Blue	Blue	Blue	Blue/White	Blue or Blue/White

Head unit adapter wiring (optional accessory, sold separately)

ACC-HU-ALP1 Wire Description	Polarity	Wire Color on Adapter	Alpine Radio
VSS (vehicle speed sensor)	(DATA)	Green/White	Green/White

ACC-HU-KEN1 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
CAM	(+)	Green/Red	Refer to camera/radio manual
CAM	(-)	Green/White	Refer to camera/radio manual
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

ACC-HU-KEN2 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
E-Brake	(-)	LtGreen	LtGreen
Reverse Light*	(+)	Purple/White	Purple/White
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

* Reverse light wire: Only connect to radio or module damage will occur.

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 (RR2) Bluetooth activity	LED STATUS	DIAGNOSTIC
● or ●		RED or GREEN flashing	LED flashes 1 or more times, either red or green, **when a steering wheel button is pressed** : normal operation.
●		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do NOT use DEMO MODE.
●		2 RED flashes	Problem detected. Consult troubleshooting table.
●		1 GREEN flash	After radio boots up : Normal operation.
	●	3 GREEN flashes	Bluetooth is activated. Turns off after one minute: Normal operation.
●	●	OFF	Normal operation (inactive).

VIDEO HELP		Installation, product information, vehicle specific videos.
VERIFY FLASH		Last flash information, steering control configuration, vehicle information.
WEBLINK		Software to program module.

TROUBLESHOOTING TABLE P1 /2

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure OBDII connector is securely attached to the OBD2 connector of the vehicle. If you hardwired connections at the OBDII, check connections at the OBDII connector. Make sure the **RED/BROWN** wire is on **PIN 6** and the **YELLOW/BROWN** wire is connected to **PIN 14** of the OBDII connector. Do not use T-Taps. Soldering or military splicing methods are recommended. If anything else is connected to the OBD2 or CAN wires of vehicle (programmer, throttle controller, insurance tracker, etc.) try unplugging it to see if gauges work. If gauges work without it installed, call tech support for options. Reset the RR.
No sound from Onstar or OEM Satellite (if equipped).	Make sure the audio cable is installed and inserted into the correct location on the radio.
Trying to use the OEM Satellite and get "Check Tuner" message.	In order to access the OEM Satellite you must go into the radio sources and look for the one that says "Satellite Radio". The SiriusXM source is not the same as the OEM Satellite source.
When listening to the OEM Satellite radio, the turn signals don't make the clicking noise, but they do in any other source.	This is normal. The audio for OEM Satellite radio and the turn signal clicks both come from the audio cable. The Maestro unit cannot process 2 different audio signals at the same time, so the OEM Satellite is priority.
There is no turn signal clicking noise.	Find OEM Setup in the radio settings. Under Vehicle Feature settings, look for Turn Signal Reminder. If it is set to "Chime If Left On", it will not click. If you wish to hear turn signal clicks, this setting must be set to "Click In Speaker".
No sound from the Bose system (If equipped).	Make sure the amplifier turn on wire (Blue/White) of the T-Harness is connected to the radio's amplifier turn on wire. When flashing the Maestro make sure that the Amplifier in OEM Systems to Retain is selected. Make sure the RCA's are connected to the radio or the speaker wires are connected depending on your installation method.
Vehicle had the Bose system and it was bypassed, now there are no chimes.	Remove the Maestro and reflash it, making sure you uncheck the Amplifier option in the OEM Systems section of the flash.
Audio is very quiet or very loud.	Non amplified vehicles: ensure the AMP adapter is NOT plugged in between the white 8 pin plugs. Amplified vehicles: ensure the AMP adapter IS plugged in between the white 8 pin plugs.
(Vehicle using a HRR-GM2 harness only) Backup camera is not working and displays a black screen on radio when in reverse.	Ensure the 2-pin yellow plug is connected as shown on the diagram.
The light on the Maestro is flashing **RED ONCE**.	There is no firmware on the module; flash the RR module.
The radio is **ON** and the light on the Maestro is blinking **RED TWICE**.	Ensure the 4-pin data cable is connected between the radio and the RR, and that it is plugged into the black port on the Maestro RR. The red and blue ports on the RR should be empty. Make sure the correct radio model and serial number were entered during the flash. Verify the radio's serial number entered during the flash matches what is listed on the radio screen. This can be found in the settings of the radio, listed as Device Id, Device Number, or Serial Number.
The light on the Maestro is blinking **RED TWICE** but radio **is NOT** turning on.	If installing a modular radio and it is not turning on, ensure the screen is secured and any trim pieces on the radio have been installed fully. Not installing these fully will prevent radio from powering up and show a 2x red error as well. Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.

TROUBLESHOOTING TABLE P2 /2

MAESTRO RR RESET PROCEDURE:

Turn the key to the OFF position, then disconnect all connectors from the module.
Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).
Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds to show the reset was successful.

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

IMPORTANT: To ensure proper operation, the aftermarket radio needs to have the latest firmware from the manufacturer. Please visit the radio manufacturer's website and look for any updates pertaining to your radio.

INSTALL GUIDE

2012-2014
CHEVROLET SUBURBAN
WITH NAV

RETAINS STEERING WHEEL CONTROLS, ONSTAR, BLUETOOTH, XM SATELLITE AND MORE!



PRODUITS REQUIS
Interface de remplacement d'autoradio: iDatalink Maestro RR ou RR2
Câblage : iDatalink Maestro HRR-GM2

PROGRAMMED FIRMWARE
ADS-RR(SR)-GM05-DS

ADDITIONAL RESOURCES
Maestro RR2 Programmable Outputs Guide

OPTIONAL ACCESSORIES
K40 ELECTRONICS
ESCORT
ACC-SP1

Click here for:
Radar Installation Guides

HEAD UNIT ADAPTER:
ACC-HU-PIO1, SON1, KEN1, KEN2, ALP1

NOTICE: Automotive Data Solutions Inc. (ADS) recommends having this installation performed by a certified technician. Logos and trademarks used here in are the properties of their respective owners.

WELCOME

Congratulations on the purchase of your iDatalink Maestro RR Radio replacement solution. You are now a few simple steps away from enjoying your new car radio with enhanced features.

Before starting your installation, please ensure that your iDatalink Maestro module is programmed with the correct firmware for your vehicle and that you carefully review the install guide.

Please note that Maestro RR will only retain functionalities that were originally available in the vehicle.

TABLE OF CONTENTS

Before Installing	3
Installation Instructions	4
Wiring Diagram with an Amplifier	5
Wiring Diagram without an Amplifier	6
Radio Wire Reference Chart	7
Module Diagnostics	8
Troubleshooting Table	9

NEED HELP?

1 866 427-2999

maestro.support@idatalink.com

BEFORE INSTALLING P1 /1

STEP 1

DETERMINE IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

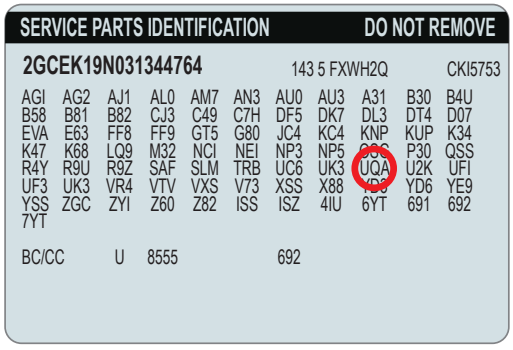
METHOD 1: Look for the following logos in the vehicle. They are usually on the speaker covers or on the radio unit. If you find any of the following logos Bose, Pioneer or Monsoon, you have a factory amplifier.

BOSE

Pioneer

MONSOON

METHOD 2: Look for the following sticker in the glove box. This sticker will indicate all the Regular Production Option (RPO) codes. If you find any of the following codes UQA, UQS or UQG, you have a factory amplifier.



STEP 2

IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **with an amplifier** and read the "**AMPLIFIER ONLY**" note to determine if you should use rca's or level matching circuits.

IF YOUR VEHICLE NOT IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **without an amplifier**.

INSTALLATION INSTRUCTIONS P1/1

STEP 1

Remove the factory radio

If using head unit adapter (sold separately), connect HRR-GM2 harness to adapter and skip to step 2.

- Unbox the aftermarket radio and locate its main harness.
- Cut and remove the black 20 pin connector from the HRR-GM2 T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the HRR-GM2 T-harness and match the wire functions.

  Note: only connect purple/white wire to radio reverse input or module damage will occur.

STEP 2

- Connect the YELLOW 2 pin connector of the backup camera cable to the YELLOW connector (CAM 1) of the backup camera adapter. Connect GRAY connector of adapter to the vehicle backup camera harness.

STEP 3

- Connect the factory harness to the HRR-GM2 T-harness.
- Ensure that the RED 2 pin plugs are connected.
- Without AMP: Ensure that the WHITE 8 pin plugs are connected.
- With AMP: Connect the HRR-GM2 8 pin WHITE connectors to the AMP adapter.

STEP 4

- Connect HRR-GM2 2-pin black connector to black connector of OBDII extension harness.
- Plug the OBDII connector into the OBDII of the vehicle, under driver dash.

STEP 5

- Plug the harnesses into the aftermarket radio.
- Connect the backup camera RCA cable into the aftermarket radio.
- Plug the Data cable to the data port of the aftermarket radio.
- Insert the Audio cable into the iDatalink 3.5 mm audio jack of the aftermarket radio (if there is no iDatalink audio input, connect to AUX).

Note: On Pioneer radio, ensure that there is nothing plugged into the W/R port.

STEP 6

- Connect the ACC-SP1 speaker to Maestro module.
- Connect all the harnesses to the Maestro RR module then test your installation.

OnStar or warning chime adjust (Audio in vehicle speakers):

- Turn ignition (IGN) on
- Open driver's door

Select to adjust:

OnStar level - Press OnStar button.

Warning chime level - turn headlight switch to parking light position (not AUTO).

- Adjust volume using steering wheel volume up/down OR dimmer switch. If using dimmer switch, ensure headlight switch is NOT set to AUTO.

OnStar, turn signal, or warning chime adjust (Audio in GM5+ speaker):

- Find "OEM setup" menu in radio settings.

Under "Vehicle Features", select to adjust:

Onstar Volume - Level from 0-9

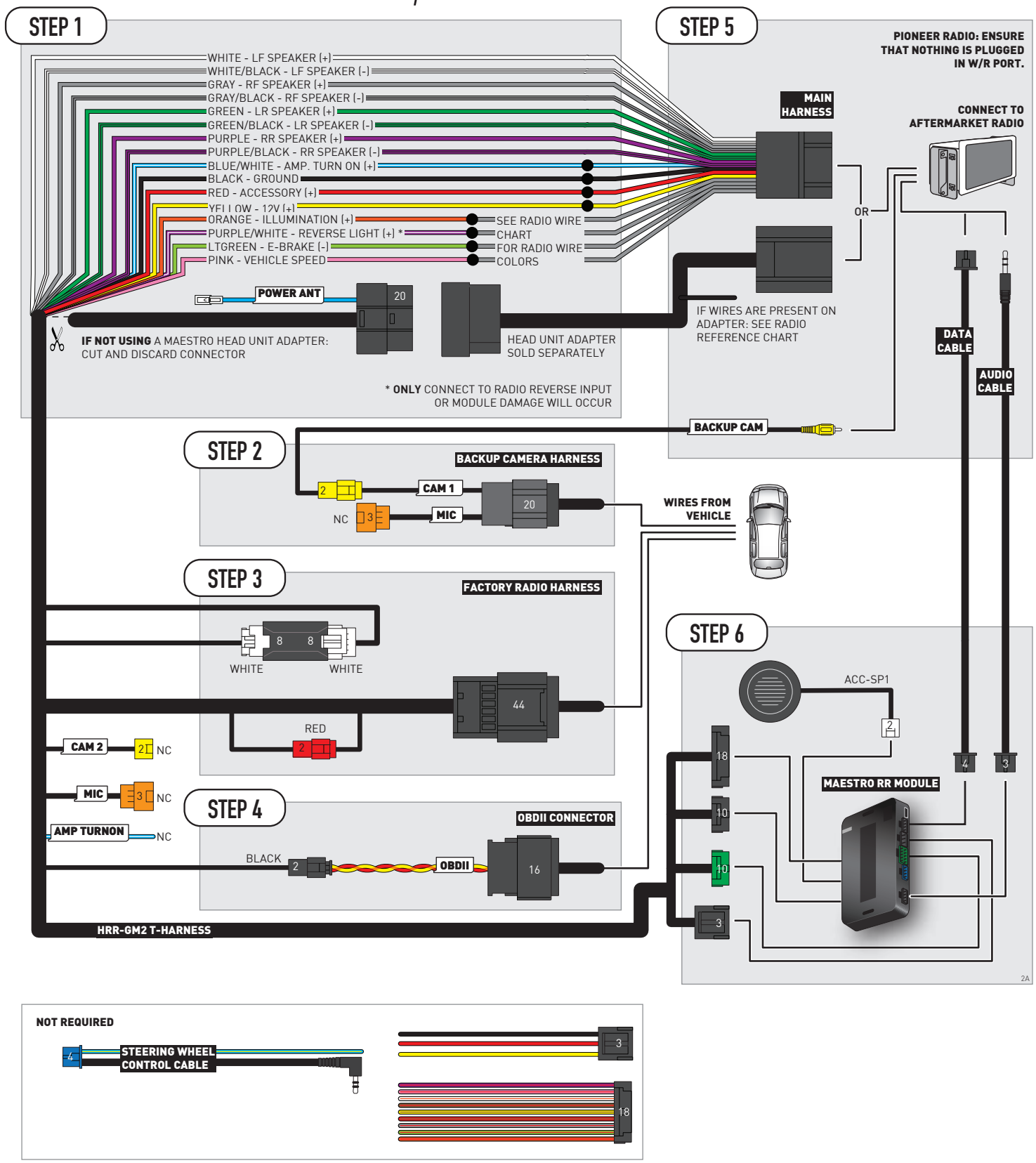
Chime Volume - Level from 0-9

Turn Signal Volume - 1-10

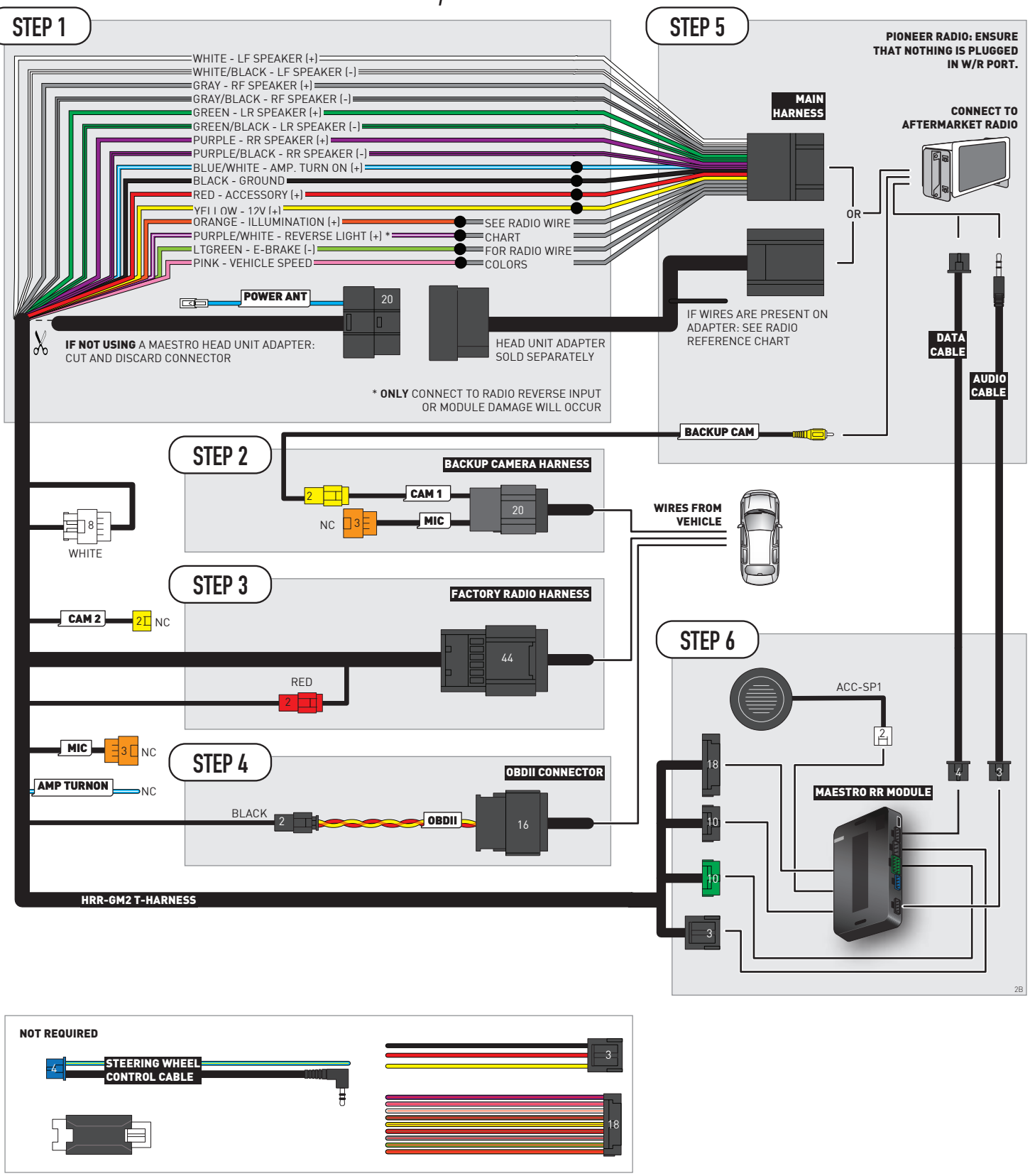
Turn Signal Reminder - Select "Click in speaker" for normal signal sounds. Select "Chime if left on" to only alert if turn signal is left on.

Automotive Data Solutions Inc. © 2023

WIRING DIAGRAM *with an Amplifier*



WIRING DIAGRAM *without an Amplifier*



RADIO WIRE REFERENCE CHART

GM5+ (GM2) T-harness Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/ JVC cable	Wire Color on Pioneer cable	Wire Color on Sony cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light*	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A
Power Antenna	(+)	Blue	Blue	Blue	Blue/White	Blue or Blue/White

Head unit adapter wiring (optional accessory, sold separately)

ACC-HU-ALP1 Wire Description	Polarity	Wire Color on Adapter	Alpine Radio
VSS (vehicle speed sensor)	(DATA)	Green/White	Green/White

ACC-HU-KEN1 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
CAM	(+)	Green/Red	Refer to camera/radio manual
CAM	(-)	Green/White	Refer to camera/radio manual
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

ACC-HU-KEN2 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
E-Brake	(-)	LtGreen	LtGreen
Reverse Light*	(+)	Purple/White	Purple/White
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

* Reverse light wire: Only connect to radio or module damage will occur.

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 (RR2) Bluetooth activity	LED STATUS	DIAGNOSTIC
● or ●		RED or GREEN flashing	LED flashes 1 or more times, either red or green, **when a steering wheel button is pressed** : normal operation.
●		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do NOT use DEMO MODE.
●		2 RED flashes	Problem detected. Consult troubleshooting table.
●		1 GREEN flash	After radio boots up : Normal operation.
	●	3 GREEN flashes	Bluetooth is activated. Turns off after one minute: Normal operation.
●	●	OFF	Normal operation (inactive).

VIDEO HELP		Installation, product information, vehicle specific videos.
VERIFY FLASH		Last flash information, steering control configuration, vehicle information.
WEBLINK		Software to program module.

TROUBLESHOOTING TABLE P1 /2

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure OBDII connector is securely attached to the OBD2 connector of the vehicle. If you hardwired connections at the OBDII, check connections at the OBDII connector. Make sure the **RED/BROWN** wire is on **PIN 6** and the **YELLOW/BROWN** wire is connected to **PIN 14** of the OBDII connector. Do not use T-Taps. Soldering or military splicing methods are recommended. If anything else is connected to the OBD2 or CAN wires of vehicle (programmer, throttle controller, insurance tracker, etc.) try unplugging it to see if gauges work. If gauges work without it installed, call tech support for options. Reset the RR.
No sound from Onstar or OEM Satellite (if equipped).	Make sure the audio cable is installed and inserted into the correct location on the radio.
Trying to use the OEM Satellite and get "Check Tuner" message.	In order to access the OEM Satellite you must go into the radio sources and look for the one that says "Satellite Radio". The SiriusXM source is not the same as the OEM Satellite source.
When listening to the OEM Satellite radio, the turn signals don't make the clicking noise, but they do in any other source.	This is normal. The audio for OEM Satellite radio and the turn signal clicks both come from the audio cable. The Maestro unit cannot process 2 different audio signals at the same time, so the OEM Satellite is priority.
There is no turn signal clicking noise.	Find OEM Setup in the radio settings. Under Vehicle Feature settings, look for Turn Signal Reminder. If it is set to "Chime If Left On", it will not click. If you wish to hear turn signal clicks, this setting must be set to "Click In Speaker".
No sound from the Bose system (If equipped).	Make sure the amplifier turn on wire (Blue/White) of the T-Harness is connected to the radio's amplifier turn on wire. When flashing the Maestro make sure that the Amplifier in OEM Systems to Retain is selected. Make sure the RCA's are connected to the radio or the speaker wires are connected depending on your installation method.
Vehicle had the Bose system and it was bypassed, now there are no chimes.	Remove the Maestro and reflash it, making sure you uncheck the Amplifier option in the OEM Systems section of the flash.
Audio is very quiet or very loud.	Non amplified vehicles: ensure the AMP adapter is NOT plugged in between the white 8 pin plugs. Amplified vehicles: ensure the AMP adapter IS plugged in between the white 8 pin plugs.
(Vehicle using a HRR-GM2 harness only) Backup camera is not working and displays a black screen on radio when in reverse.	Ensure the 2-pin yellow plug is connected as shown on the diagram.
The light on the Maestro is flashing **RED ONCE**.	There is no firmware on the module; flash the RR module.
The radio is **ON** and the light on the Maestro is blinking **RED TWICE**.	Ensure the 4-pin data cable is connected between the radio and the RR, and that it is plugged into the black port on the Maestro RR. The red and blue ports on the RR should be empty. Make sure the correct radio model and serial number were entered during the flash. Verify the radio's serial number entered during the flash matches what is listed on the radio screen. This can be found in the settings of the radio, listed as Device Id, Device Number, or Serial Number.
The light on the Maestro is blinking **RED TWICE** but radio **is NOT** turning on.	If installing a modular radio and it is not turning on, ensure the screen is secured and any trim pieces on the radio have been installed fully. Not installing these fully will prevent radio from powering up and show a 2x red error as well. Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.

TROUBLESHOOTING TABLE P2 /2

MAESTRO RR RESET PROCEDURE:

Turn the key to the OFF position, then disconnect all connectors from the module.
Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).
Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds to show the reset was successful.

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

IMPORTANT: To ensure proper operation, the aftermarket radio needs to have the latest firmware from the manufacturer. Please visit the radio manufacturer's website and look for any updates pertaining to your radio.

INSTALL GUIDE

2012-2014
CHEVROLET SUBURBAN
WITHOUT NAV

RETAINS STEERING WHEEL CONTROLS, ONSTAR, BLUETOOTH, XM SATELLITE AND MORE!



PRODUCTS REQUIRED

iDatalink Maestro RR or RR2 Radio Replacement Interface
iDatalink Maestro HRR-GM5+ Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-GM05-DS

ADDITIONAL RESOURCES

Maestro RR2 Programmable Outputs Guide

OPTIONAL ACCESSORIES

K40 ELECTRONICS
ESCORT

Click here for:
Radar Installation Guides

ACC-SP1

HEAD UNIT ADAPTER:
ACC-HU-PIO1, SON1, KEN1, KEN2, ALP1

NOTICE: Automotive Data Solutions Inc. (ADS) recommends having this installation performed by a certified technician. Logos and trademarks used here in are the properties of their respective owners.

WELCOME

Congratulations on the purchase of your iDatalink Maestro RR Radio replacement solution. You are now a few simple steps away from enjoying your new car radio with enhanced features.

Before starting your installation, please ensure that your iDatalink Maestro module is programmed with the correct firmware for your vehicle and that you carefully review the install guide.

Please note that Maestro RR will only retain functionalities that were originally available in the vehicle.

TABLE OF CONTENTS

Before Installing	3
Installation Instructions	4
Wiring Diagram with an Amplifier	5
Wiring Diagram without an Amplifier	6
Radio Wire Reference Chart	7
Module Diagnostics	8
Troubleshooting Table	9

NEED HELP?

1 866 427-2999

maestro.support@idatalink.com

BEFORE INSTALLING P1 /1

STEP 1

DETERMINE IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

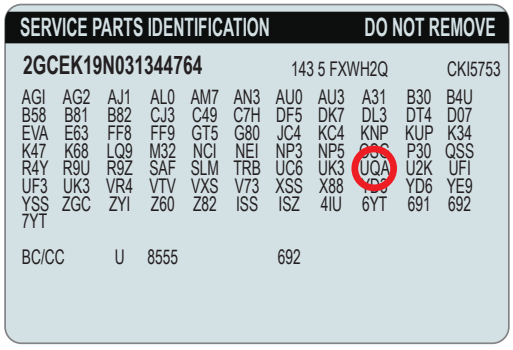
METHOD 1: Look for the following logos in the vehicle. They are usually on the speaker covers or on the radio unit. If you find any of the following logos Bose, Pioneer or Monsoon, you have a factory amplifier.

BOSE

Pioneer

MONSOON

METHOD 2: Look for the following sticker in the glove box. This sticker will indicate all the Regular Production Option (RPO) codes. If you find any of the following codes UQA, UQS or UQG, you have a factory amplifier.


SERVICE PARTS IDENTIFICATION DO NOT REMOVE

2GCEK19N031344764 143 5 FXWH2Q CKI5753

AGI	AG2	AJ1	AL0	AM7	AN3	AU0	AU3	A31	B30	B4U
B58	B81	B82	CJ3	C49	C7H	DF5	DK7	DL3	DT4	D07
EVA	E63	FF8	FF9	GT5	G80	JC4	KC4	KNP	KUP	K34
K47	K68	LQ9	M32	NCI	NEI	NP3	NP5	QQS	P30	QSS
R4Y	R9U	R9Z	SAF	SLM	TRB	UC6	UK3	UQA	U2K	UFI
UF3	UK3	VR4	VTV	VXS	V73	XSS	X88	YD5	YD6	YE9
YSS	ZGC	ZYI	Z60	Z82	ISS	ISZ	4IU	6YT	691	692
7YT										

BC/CC U 8555 692

STEP 2

IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **with an amplifier** and read the "**AMPLIFIER ONLY**" note to determine if you should use rca's or level matching circuits.

IF YOUR VEHICLE NOT IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **without an amplifier**.

Automotive Data Solutions Inc. © 2023

INSTALLATION INSTRUCTIONS P1/1

STEP 1

Remove the factory radio

If using head unit adapter (sold separately), connect HRR-GM5+ harness to adapter and skip to step 2.

- Unbox the aftermarket radio and locate its main harness.
- Cut and remove the black 20 pin connector from the HRR-GM5+ T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the HRR-GM5+ T-harness and match the wire functions.

  Note: only connect purple/white wire to radio reverse input or module damage will occur.

STEP 2

- Connect the factory harness to the HRR-GM5+ T-harness.
- Without AMP: Ensure that the WHITE 8 pin plugs are connected.
- With AMP: Connect the HRR-GM5+ 8 pin WHITE connectors to the AMP adapter.

STEP 3

- Connect HRR-GM5+ 2-pin black connector to black connector of OBDII extension harness.
- Plug the OBDII connector into the OBDII of the vehicle, under driver dash.

STEP 4

- Plug the harnesses into the aftermarket radio.
- Connect the backup camera RCA cable into the aftermarket radio.
- With AMP: Connect the Center and SUB RCA cables.
- Plug the Data cable to the data port of the aftermarket radio.
- Insert the Audio cable into the iDatalink 3.5 mm audio jack of the aftermarket radio (if there is no iDatalink audio input, connect to AUX).

  Note: On Pioneer radio, ensure that there is nothing plugged into the W/R port.

STEP 5

- Connect the ACC-SP1 speaker to Maestro module.
- Connect all the harnesses to the Maestro RR module then test your installation.

OnStar or warning chime adjust (Audio in vehicle speakers):

- Turn ignition (IGN) on
- Open driver's door

Select to adjust:

OnStar level - Press OnStar button.

Warning chime level - turn headlight switch to parking light position (not AUTO).

- Adjust volume using steering wheel volume up/down OR dimmer switch. If using dimmer switch, ensure headlight switch is NOT set to AUTO.

OnStar, turn signal, or warning chime adjust (Audio in GM5+ speaker):

- Find "OEM setup" menu in radio settings.

Under "Vehicle Features", select to adjust:

Onstar Volume - Level from 0-9

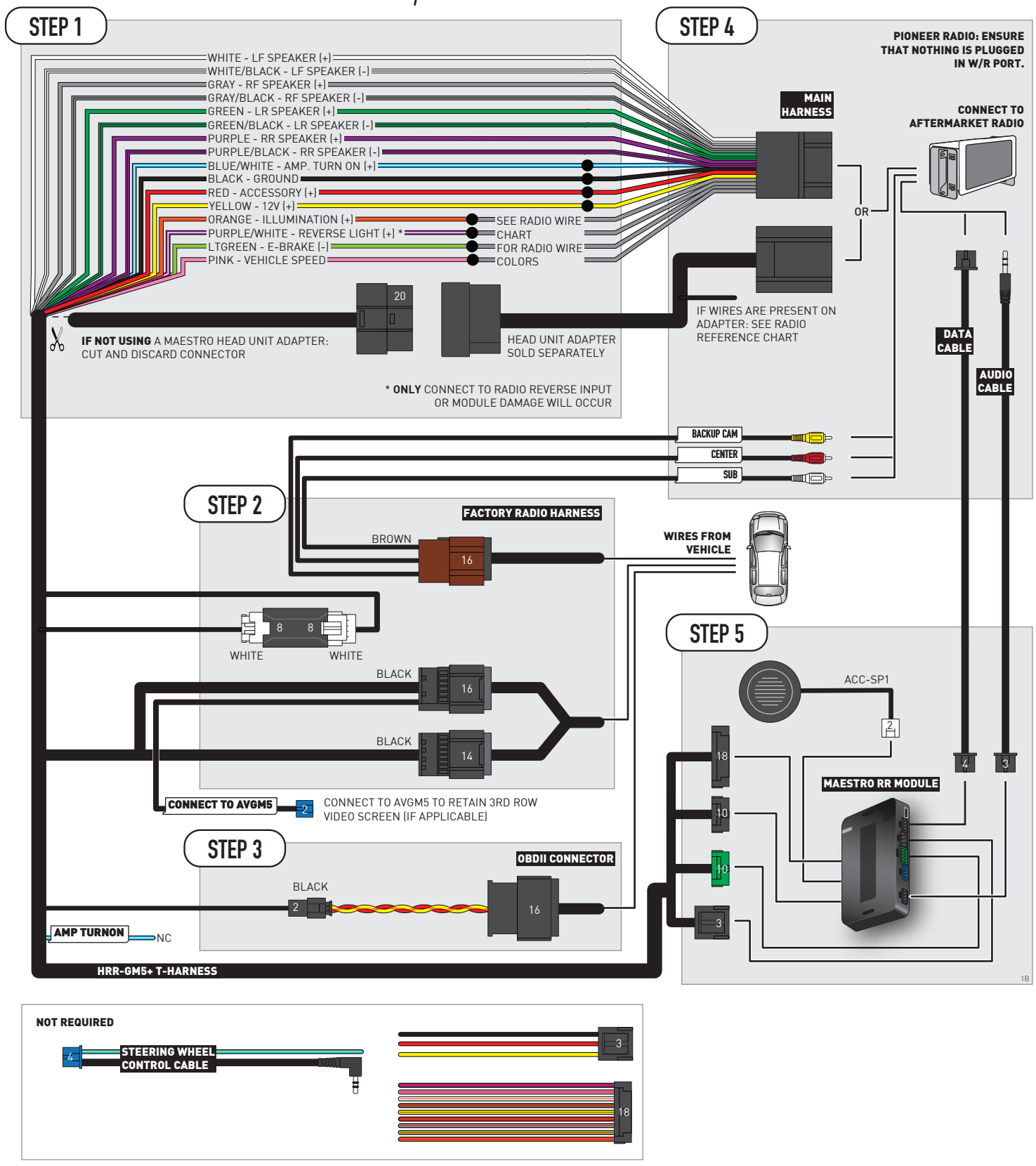
Chime Volume - Level from 0-9

Turn Signal Volume - 1-10

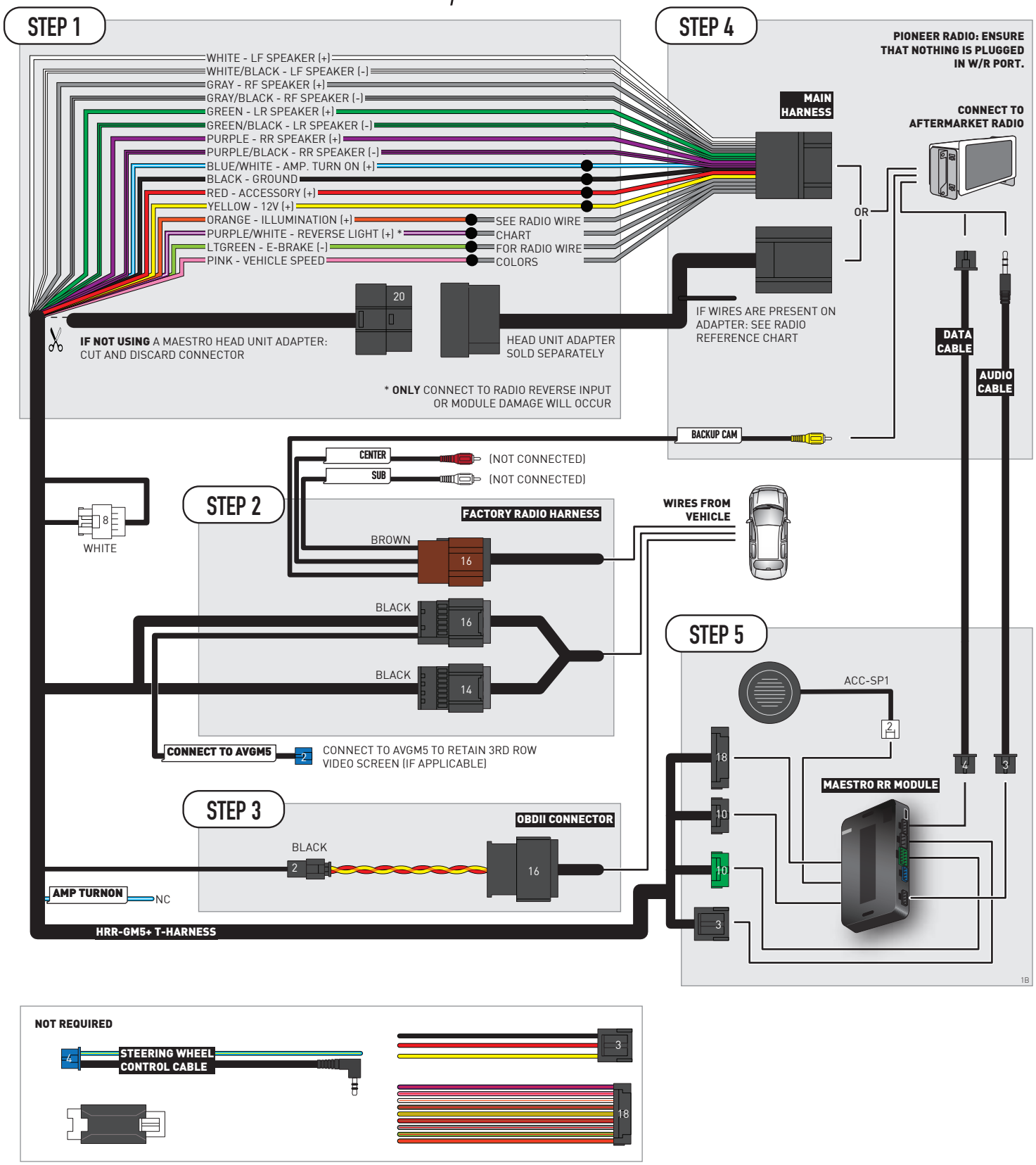
Turn Signal Reminder - Select "Click in speaker" for normal signal sounds. Select "Chime if left on" to only alert if turn signal is left on.

Automotive Data Solutions Inc. © 2023

WIRING DIAGRAM *with an Amplifier*



WIRING DIAGRAM *without an Amplifier*



RADIO WIRE REFERENCE CHART

GM5+ (GM2) T-harness Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/ JVC cable	Wire Color on Pioneer cable	Wire Color on Sony cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light*	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A
Power Antenna	(+)	Blue	Blue	Blue	Blue/White	Blue or Blue/White

Head unit adapter wiring (optional accessory, sold separately)

ACC-HU-ALP1 Wire Description	Polarity	Wire Color on Adapter	Alpine Radio
VSS (vehicle speed sensor)	(DATA)	Green/White	Green/White

ACC-HU-KEN1 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
CAM	(+)	Green/Red	Refer to camera/radio manual
CAM	(-)	Green/White	Refer to camera/radio manual
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

ACC-HU-KEN2 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
E-Brake	(-)	LtGreen	LtGreen
Reverse Light*	(+)	Purple/White	Purple/White
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

* Reverse light wire: Only connect to radio or module damage will occur.

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 (RR2) Bluetooth activity	LED STATUS	DIAGNOSTIC
● or ●		RED or GREEN flashing	LED flashes 1 or more times, either red or green, **when a steering wheel button is pressed** : normal operation.
●		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do NOT use DEMO MODE.
●		2 RED flashes	Problem detected. Consult troubleshooting table.
●		1 GREEN flash	After radio boots up : Normal operation.
	●	3 GREEN flashes	Bluetooth is activated. Turns off after one minute: Normal operation.
●	●	OFF	Normal operation (inactive).

VIDEO HELP		Installation, product information, vehicle specific videos.
VERIFY FLASH		Last flash information, steering control configuration, vehicle information.
WEBLINK		Software to program module.

TROUBLESHOOTING TABLE P1 /2

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure OBDII connector is securely attached to the OBD2 connector of the vehicle. If you hardwired connections at the OBDII, check connections at the OBDII connector. Make sure the **RED/BROWN** wire is on **PIN 6** and the **YELLOW/BROWN** wire is connected to **PIN 14** of the OBDII connector. Do not use T-Taps. Soldering or military splicing methods are recommended. If anything else is connected to the OBD2 or CAN wires of vehicle (programmer, throttle controller, insurance tracker, etc.) try unplugging it to see if gauges work. If gauges work without it installed, call tech support for options. Reset the RR.
No sound from Onstar or OEM Satellite (if equipped).	Make sure the audio cable is installed and inserted into the correct location on the radio.
Trying to use the OEM Satellite and get "Check Tuner" message.	In order to access the OEM Satellite you must go into the radio sources and look for the one that says "Satellite Radio". The SiriusXM source is not the same as the OEM Satellite source.
When listening to the OEM Satellite radio, the turn signals don't make the clicking noise, but they do in any other source.	This is normal. The audio for OEM Satellite radio and the turn signal clicks both come from the audio cable. The Maestro unit cannot process 2 different audio signals at the same time, so the OEM Satellite is priority.
There is no turn signal clicking noise.	Find OEM Setup in the radio settings. Under Vehicle Feature settings, look for Turn Signal Reminder. If it is set to "Chime If Left On", it will not click. If you wish to hear turn signal clicks, this setting must be set to "Click In Speaker".
No sound from the Bose system (If equipped).	Make sure the amplifier turn on wire (Blue/White) of the T-Harness is connected to the radio's amplifier turn on wire. When flashing the Maestro make sure that the Amplifier in OEM Systems to Retain is selected. Make sure the RCA's are connected to the radio or the speaker wires are connected depending on your installation method.
Vehicle had the Bose system and it was bypassed, now there are no chimes.	Remove the Maestro and reflash it, making sure you uncheck the Amplifier option in the OEM Systems section of the flash.
Audio is very quiet or very loud.	Non amplified vehicles: ensure the AMP adapter is NOT plugged in between the white 8 pin plugs. Amplified vehicles: ensure the AMP adapter IS plugged in between the white 8 pin plugs.
(Vehicle using a HRR-GM2 harness only) Backup camera is not working and displays a black screen on radio when in reverse.	Ensure the 2-pin yellow plug is connected as shown on the diagram.
The light on the Maestro is flashing **RED ONCE**.	There is no firmware on the module; flash the RR module.
The radio is **ON** and the light on the Maestro is blinking **RED TWICE**.	Ensure the 4-pin data cable is connected between the radio and the RR, and that it is plugged into the black port on the Maestro RR. The red and blue ports on the RR should be empty. Make sure the correct radio model and serial number were entered during the flash. Verify the radio's serial number entered during the flash matches what is listed on the radio screen. This can be found in the settings of the radio, listed as Device Id, Device Number, or Serial Number.
The light on the Maestro is blinking **RED TWICE** but radio **is NOT** turning on.	If installing a modular radio and it is not turning on, ensure the screen is secured and any trim pieces on the radio have been installed fully. Not installing these fully will prevent radio from powering up and show a 2x red error as well. Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.

TROUBLESHOOTING TABLE P2 /2

MAESTRO RR RESET PROCEDURE:

Turn the key to the OFF position, then disconnect all connectors from the module.
Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).
Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds to show the reset was successful.

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

IMPORTANT: To ensure proper operation, the aftermarket radio needs to have the latest firmware from the manufacturer. Please visit the radio manufacturer's website and look for any updates pertaining to your radio.

INSTALL GUIDE

2007-2011
CHEVROLET TAHOE

RETAINS STEERING WHEEL CONTROLS, ONSTAR, BLUETOOTH, XM SATELLITE AND MORE!



PRODUCTS REQUIRED

iDatalink Maestro RR or RR2 Radio Replacement Interface
iDatalink Maestro HRR-GM5+ Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-GM05-DS

ADDITIONAL RESOURCES

Maestro RR2 Programmable Outputs Guide

OPTIONAL ACCESSORIES

K40 ELECTRONICS
ESCORT

Click here for:
Radar Installation Guides

ACC-SP1

HEAD UNIT ADAPTER:
ACC-HU-PIO1, SON1, KEN1, KEN2, ALP1

NOTICE: Automotive Data Solutions Inc. (ADS) recommends having this installation performed by a certified technician. Logos and trademarks used here in are the properties of their respective owners.

WELCOME

Congratulations on the purchase of your iDatalink Maestro RR Radio replacement solution. You are now a few simple steps away from enjoying your new car radio with enhanced features.

Before starting your installation, please ensure that your iDatalink Maestro module is programmed with the correct firmware for your vehicle and that you carefully review the install guide.

Please note that Maestro RR will only retain functionalities that were originally available in the vehicle.

TABLE OF CONTENTS

Before Installing	3
Installation Instructions	4
Wiring Diagram with an Amplifier	5
Wiring Diagram without an Amplifier	6
Radio Wire Reference Chart	7
Module Diagnostics	8
Troubleshooting Table	9

NEED HELP?

1 866 427-2999

maestro.support@idatalink.com

BEFORE INSTALLING P1 /1

STEP 1

DETERMINE IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

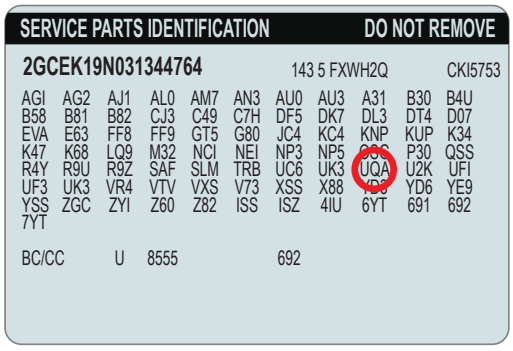
METHOD 1: Look for the following logos in the vehicle. They are usually on the speaker covers or on the radio unit. If you find any of the following logos Bose, Pioneer or Monsoon, you have a factory amplifier.

BOSE

Pioneer

MONSOON

METHOD 2: Look for the following sticker in the glove box. This sticker will indicate all the Regular Production Option (RPO) codes. If you find any of the following codes UQA, UQS or UQG, you have a factory amplifier.



STEP 2

IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **with an amplifier** and read the "**AMPLIFIER ONLY**" note to determine if you should use rca's or level matching circuits.

IF YOUR VEHICLE NOT IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **without an amplifier**.

Automotive Data Solutions Inc. © 2023

INSTALLATION INSTRUCTIONS P1/1

STEP 1

Remove the factory radio

If using head unit adapter (sold separately), connect HRR-GM5+ harness to adapter and skip to step 2.

- Unbox the aftermarket radio and locate its main harness.
- Cut and remove the black 20 pin connector from the HRR-GM5+ T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the HRR-GM5+ T-harness and match the wire functions.

  Note: only connect purple/white wire to radio reverse input or module damage will occur.

STEP 2

- Connect the factory harness to the HRR-GM5+ T-harness.
- Without AMP: Ensure that the WHITE 8 pin plugs are connected.
- With AMP: Connect the HRR-GM5+ 8 pin WHITE connectors to the AMP adapter.

STEP 3

- Connect HRR-GM5+ 2-pin black connector to black connector of OBDII extension harness.
- Plug the OBDII connector into the OBDII of the vehicle, under driver dash.

STEP 4

- Plug the harnesses into the aftermarket radio.
- Connect the backup camera RCA cable into the aftermarket radio.
- With AMP: Connect the Center and SUB RCA cables.
- Plug the Data cable to the data port of the aftermarket radio.
- Insert the Audio cable into the iDatalink 3.5 mm audio jack of the aftermarket radio (if there is no iDatalink audio input, connect to AUX).

  Note: On Pioneer radio, ensure that there is nothing plugged into the W/R port.

STEP 5

- Connect the ACC-SP1 speaker to Maestro module.
- Connect all the harnesses to the Maestro RR module then test your installation.

OnStar or warning chime adjust (Audio in vehicle speakers):

- Turn ignition (IGN) on
- Open driver's door

Select to adjust:

OnStar level - Press OnStar button.

Warning chime level - turn headlight switch to parking light position (not AUTO).

- Adjust volume using steering wheel volume up/down OR dimmer switch. If using dimmer switch, ensure headlight switch is NOT set to AUTO.

OnStar, turn signal, or warning chime adjust (Audio in GM5+ speaker):

- Find "OEM setup" menu in radio settings.

Under "Vehicle Features", select to adjust:

Onstar Volume - Level from 0-9

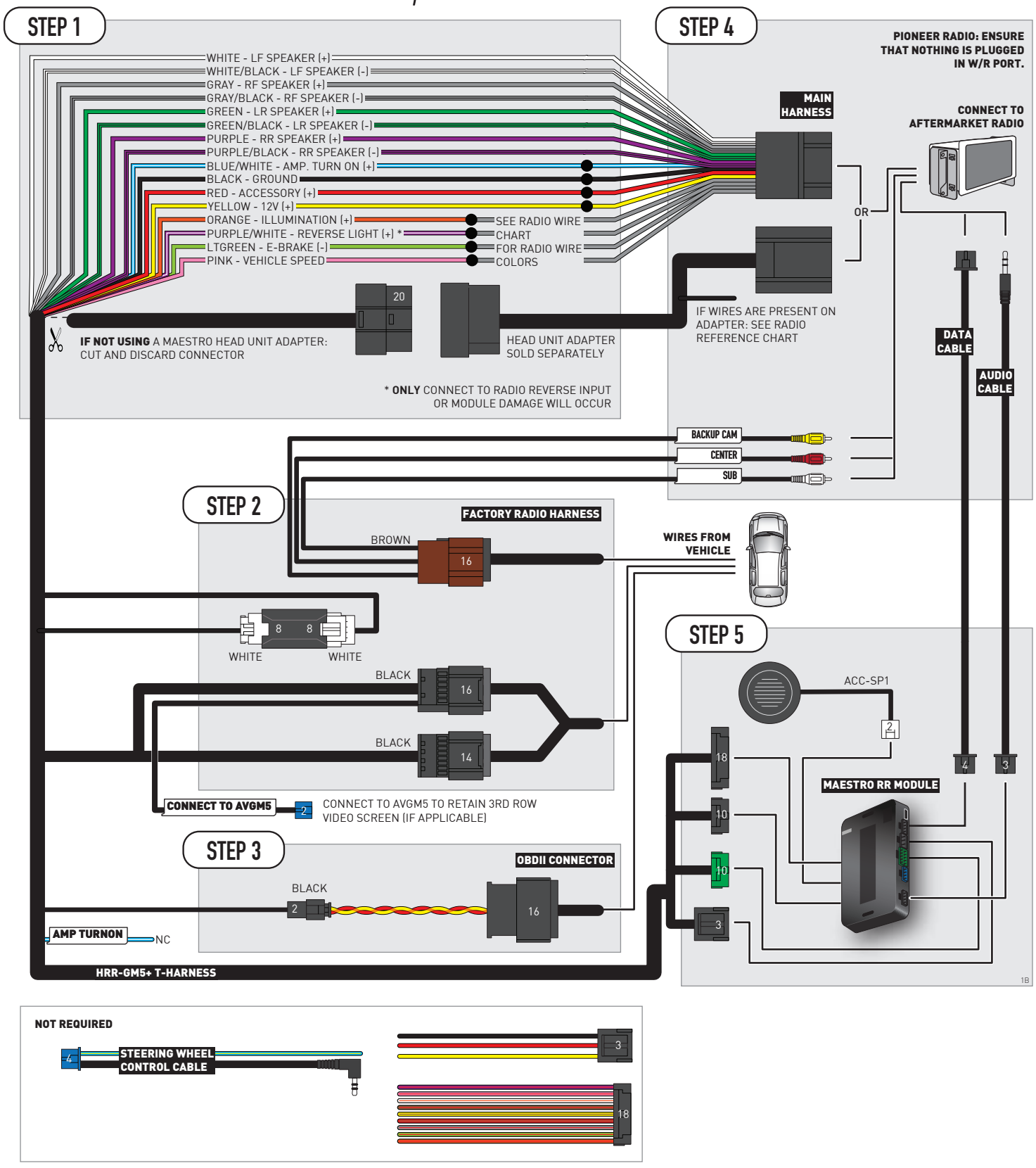
Chime Volume - Level from 0-9

Turn Signal Volume - 1-10

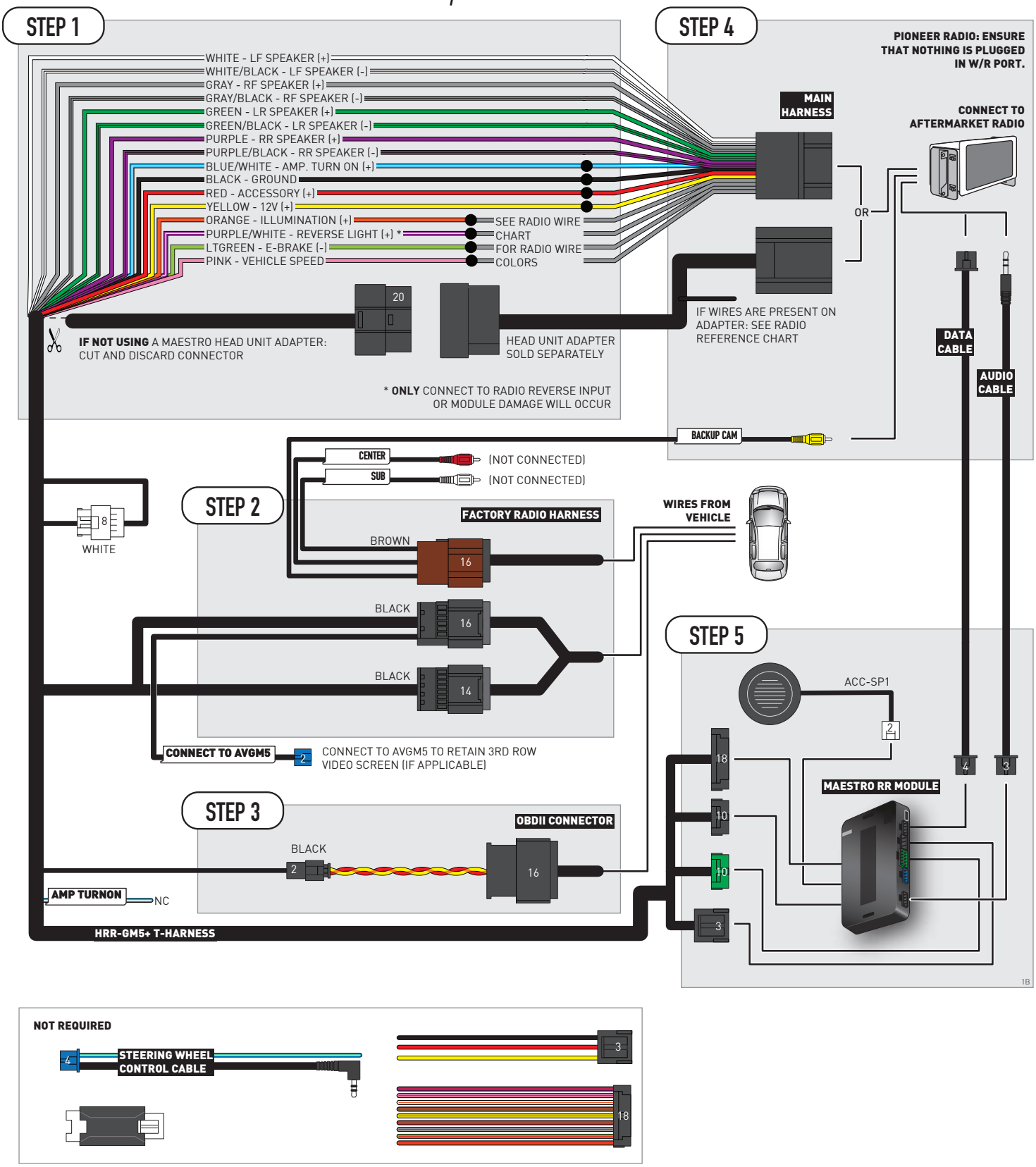
Turn Signal Reminder - Select "Click in speaker" for normal signal sounds. Select "Chime if left on" to only alert if turn signal is left on.

Automotive Data Solutions Inc. © 2023

WIRING DIAGRAM *with an Amplifier*



WIRING DIAGRAM *without an Amplifier*



RADIO WIRE REFERENCE CHART

GM5+ (GM2) T-harness Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/ JVC cable	Wire Color on Pioneer cable	Wire Color on Sony cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light*	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A
Power Antenna	(+)	Blue	Blue	Blue	Blue/White	Blue or Blue/White

Head unit adapter wiring (optional accessory, sold separately)

ACC-HU-ALP1 Wire Description	Polarity	Wire Color on Adapter	Alpine Radio
VSS (vehicle speed sensor)	(DATA)	Green/White	Green/White

ACC-HU-KEN1 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
CAM	(+)	Green/Red	Refer to camera/radio manual
CAM	(-)	Green/White	Refer to camera/radio manual
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

ACC-HU-KEN2 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
E-Brake	(-)	LtGreen	LtGreen
Reverse Light*	(+)	Purple/White	Purple/White
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

* Reverse light wire: Only connect to radio or module damage will occur.

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 (RR2) Bluetooth activity	LED STATUS	DIAGNOSTIC
● or ●		RED or GREEN flashing	LED flashes 1 or more times, either red or green, **when a steering wheel button is pressed** : normal operation.
●		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do NOT use DEMO MODE.
●		2 RED flashes	Problem detected. Consult troubleshooting table.
●		1 GREEN flash	After radio boots up : Normal operation.
	●	3 GREEN flashes	Bluetooth is activated. Turns off after one minute: Normal operation.
●	●	OFF	Normal operation (inactive).

VIDEO HELP		Installation, product information, vehicle specific videos.
VERIFY FLASH		Last flash information, steering control configuration, vehicle information.
WEBLINK		Software to program module.

TROUBLESHOOTING TABLE P1 /2

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure OBDII connector is securely attached to the OBD2 connector of the vehicle. If you hardwired connections at the OBDII, check connections at the OBDII connector. Make sure the **RED/BROWN** wire is on **PIN 6** and the **YELLOW/BROWN** wire is connected to **PIN 14** of the OBDII connector. Do not use T-Taps. Soldering or military splicing methods are recommended. If anything else is connected to the OBD2 or CAN wires of vehicle (programmer, throttle controller, insurance tracker, etc.) try unplugging it to see if gauges work. If gauges work without it installed, call tech support for options. Reset the RR.
No sound from Onstar or OEM Satellite (if equipped).	Make sure the audio cable is installed and inserted into the correct location on the radio.
Trying to use the OEM Satellite and get "Check Tuner" message.	In order to access the OEM Satellite you must go into the radio sources and look for the one that says "Satellite Radio". The SiriusXM source is not the same as the OEM Satellite source.
When listening to the OEM Satellite radio, the turn signals don't make the clicking noise, but they do in any other source.	This is normal. The audio for OEM Satellite radio and the turn signal clicks both come from the audio cable. The Maestro unit cannot process 2 different audio signals at the same time, so the OEM Satellite is priority.
There is no turn signal clicking noise.	Find OEM Setup in the radio settings. Under Vehicle Feature settings, look for Turn Signal Reminder. If it is set to "Chime If Left On", it will not click. If you wish to hear turn signal clicks, this setting must be set to "Click In Speaker".
No sound from the Bose system (If equipped).	Make sure the amplifier turn on wire (Blue/White) of the T-Harness is connected to the radio's amplifier turn on wire. When flashing the Maestro make sure that the Amplifier in OEM Systems to Retain is selected. Make sure the RCA's are connected to the radio or the speaker wires are connected depending on your installation method.
Vehicle had the Bose system and it was bypassed, now there are no chimes.	Remove the Maestro and reflash it, making sure you uncheck the Amplifier option in the OEM Systems section of the flash.
Audio is very quiet or very loud.	Non amplified vehicles: ensure the AMP adapter is NOT plugged in between the white 8 pin plugs. Amplified vehicles: ensure the AMP adapter IS plugged in between the white 8 pin plugs.
(Vehicle using a HRR-GM2 harness only) Backup camera is not working and displays a black screen on radio when in reverse.	Ensure the 2-pin yellow plug is connected as shown on the diagram.
The light on the Maestro is flashing **RED ONCE**.	There is no firmware on the module; flash the RR module.
The radio is **ON** and the light on the Maestro is blinking **RED TWICE**.	Ensure the 4-pin data cable is connected between the radio and the RR, and that it is plugged into the black port on the Maestro RR. The red and blue ports on the RR should be empty. Make sure the correct radio model and serial number were entered during the flash. Verify the radio's serial number entered during the flash matches what is listed on the radio screen. This can be found in the settings of the radio, listed as Device Id, Device Number, or Serial Number.
The light on the Maestro is blinking **RED TWICE** but radio **is NOT** turning on.	If installing a modular radio and it is not turning on, ensure the screen is secured and any trim pieces on the radio have been installed fully. Not installing these fully will prevent radio from powering up and show a 2x red error as well. Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.

TROUBLESHOOTING TABLE P2 /2

MAESTRO RR RESET PROCEDURE:

Turn the key to the OFF position, then disconnect all connectors from the module.
Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).
Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds to show the reset was successful.

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

IMPORTANT: To ensure proper operation, the aftermarket radio needs to have the latest firmware from the manufacturer. Please visit the radio manufacturer's website and look for any updates pertaining to your radio.

INSTALL GUIDE

2012-2014
CHEVROLET TAHOE
WITH NAV

RETAINS STEERING WHEEL CONTROLS, ONSTAR, BLUETOOTH, XM SATELLITE AND MORE!



PRODUITS REQUIS
Interface de remplacement d'autoradio: iDatalink Maestro RR ou RR2
Câblage : iDatalink Maestro HRR-GM2

PROGRAMMED FIRMWARE
ADS-RR(SR)-GM05-DS

ADDITIONAL RESOURCES
Maestro RR2 Programmable Outputs Guide

OPTIONAL ACCESSORIES
K40 ELECTRONICS
ESCORT
ACC-SP1

Click here for:
Radar Installation Guides

HEAD UNIT ADAPTER:
ACC-HU-PIO1, SON1, KEN1, KEN2, ALP1

NOTICE: Automotive Data Solutions Inc. (ADS) recommends having this installation performed by a certified technician. Logos and trademarks used here in are the properties of their respective owners.

WELCOME

Congratulations on the purchase of your iDatalink Maestro RR Radio replacement solution. You are now a few simple steps away from enjoying your new car radio with enhanced features.

Before starting your installation, please ensure that your iDatalink Maestro module is programmed with the correct firmware for your vehicle and that you carefully review the install guide.

Please note that Maestro RR will only retain functionalities that were originally available in the vehicle.

TABLE OF CONTENTS

Before Installing	3
Installation Instructions	4
Wiring Diagram with an Amplifier	5
Wiring Diagram without an Amplifier	6
Radio Wire Reference Chart	7
Module Diagnostics	8
Troubleshooting Table	9

NEED HELP?

1 866 427-2999

maestro.support@idatalink.com

BEFORE INSTALLING P1 /1

STEP 1

DETERMINE IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

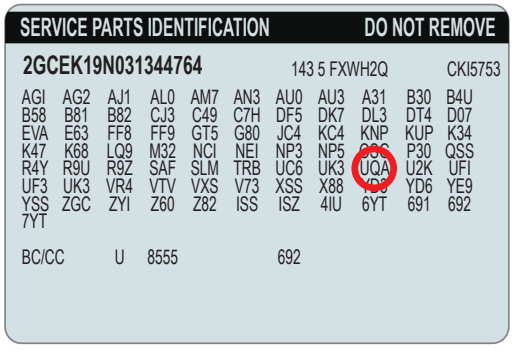
METHOD 1: Look for the following logos in the vehicle. They are usually on the speaker covers or on the radio unit. If you find any of the following logos Bose, Pioneer or Monsoon, you have a factory amplifier.

BOSE

Pioneer

MONSOON

METHOD 2: Look for the following sticker in the glove box. This sticker will indicate all the Regular Production Option (RPO) codes. If you find any of the following codes UQA, UQS or UQG, you have a factory amplifier.



STEP 2

IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **with an amplifier** and read the "**AMPLIFIER ONLY**" note to determine if you should use rca's or level matching circuits.

IF YOUR VEHICLE NOT IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **without an amplifier**.

INSTALLATION INSTRUCTIONS P1/1

STEP 1

Remove the factory radio

If using head unit adapter (sold separately), connect HRR-GM2 harness to adapter and skip to step 2.

- Unbox the aftermarket radio and locate its main harness.
- Cut and remove the black 20 pin connector from the HRR-GM2 T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the HRR-GM2 T-harness and match the wire functions.

  Note: only connect purple/white wire to radio reverse input or module damage will occur.

STEP 2

- Connect the YELLOW 2 pin connector of the backup camera cable to the YELLOW connector (CAM 1) of the backup camera adapter. Connect GRAY connector of adapter to the vehicle backup camera harness.

STEP 3

- Connect the factory harness to the HRR-GM2 T-harness.
- Ensure that the RED 2 pin plugs are connected.
- Without AMP: Ensure that the WHITE 8 pin plugs are connected.
- With AMP: Connect the HRR-GM2 8 pin WHITE connectors to the AMP adapter.

STEP 4

- Connect HRR-GM2 2-pin black connector to black connector of OBDII extension harness.
- Plug the OBDII connector into the OBDII of the vehicle, under driver dash.

STEP 5

- Plug the harnesses into the aftermarket radio.
- Connect the backup camera RCA cable into the aftermarket radio.
- Plug the Data cable to the data port of the aftermarket radio.
- Insert the Audio cable into the iDatalink 3.5 mm audio jack of the aftermarket radio (if there is no iDatalink audio input, connect to AUX).

Note: On Pioneer radio, ensure that there is nothing plugged into the W/R port.

STEP 6

- Connect the ACC-SP1 speaker to Maestro module.
- Connect all the harnesses to the Maestro RR module then test your installation.

OnStar or warning chime adjust (Audio in vehicle speakers):

- Turn ignition (IGN) on
- Open driver's door

Select to adjust:

OnStar level - Press OnStar button.

Warning chime level - turn headlight switch to parking light position (not AUTO).

- Adjust volume using steering wheel volume up/down OR dimmer switch. If using dimmer switch, ensure headlight switch is NOT set to AUTO.

OnStar, turn signal, or warning chime adjust (Audio in GM5+ speaker):

- Find "OEM setup" menu in radio settings.

Under "Vehicle Features", select to adjust:

Onstar Volume - Level from 0-9

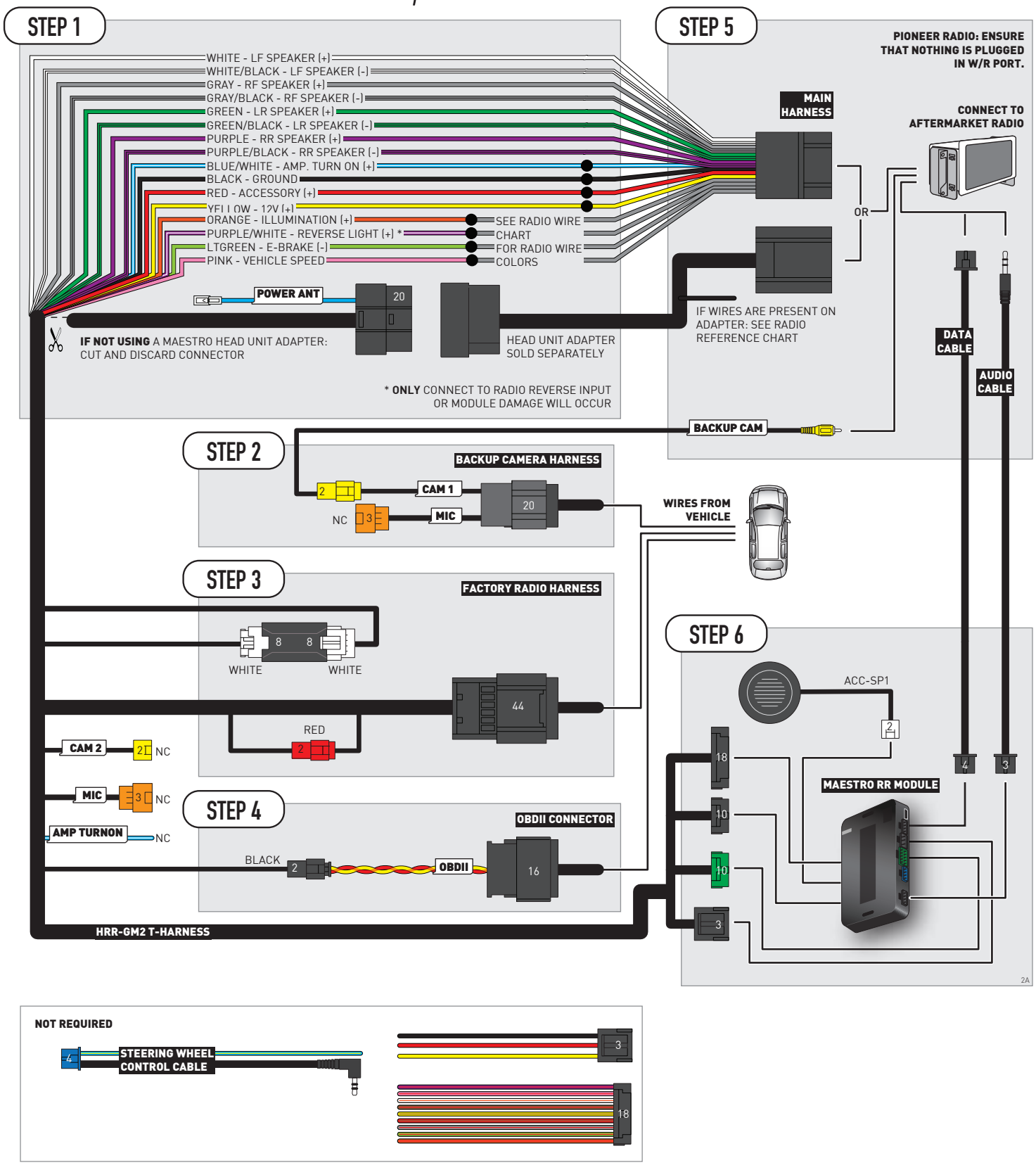
Chime Volume - Level from 0-9

Turn Signal Volume - 1-10

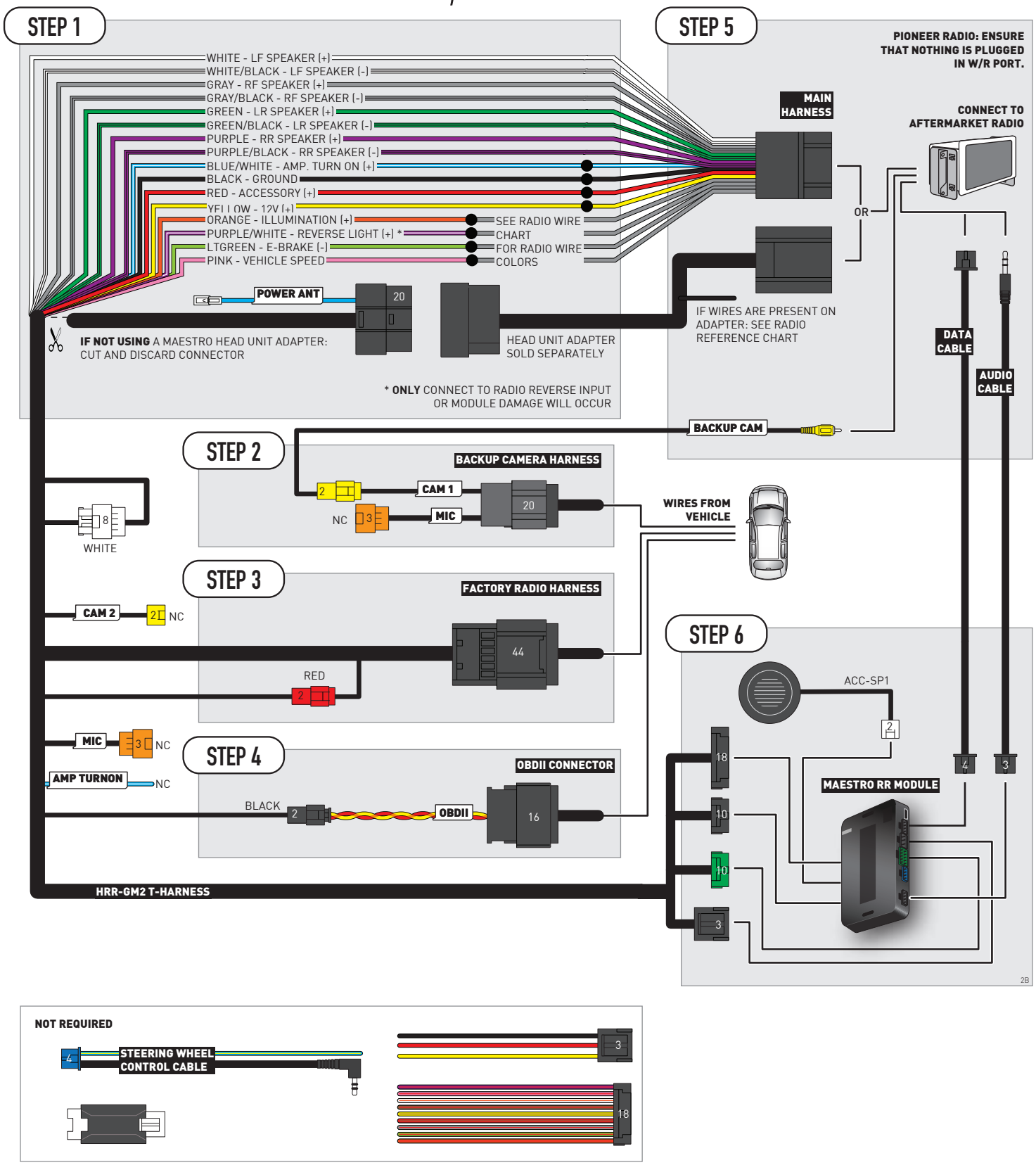
Turn Signal Reminder - Select "Click in speaker" for normal signal sounds. Select "Chime if left on" to only alert if turn signal is left on.

Automotive Data Solutions Inc. © 2023

WIRING DIAGRAM *with an Amplifier*



WIRING DIAGRAM *without an Amplifier*



RADIO WIRE REFERENCE CHART

GM5+ (GM2) T-harness Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/ JVC cable	Wire Color on Pioneer cable	Wire Color on Sony cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light*	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A
Power Antenna	(+)	Blue	Blue	Blue	Blue/White	Blue or Blue/White

Head unit adapter wiring (optional accessory, sold separately)

ACC-HU-ALP1 Wire Description	Polarity	Wire Color on Adapter	Alpine Radio
VSS (vehicle speed sensor)	(DATA)	Green/White	Green/White

ACC-HU-KEN1 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
CAM	(+)	Green/Red	Refer to camera/radio manual
CAM	(-)	Green/White	Refer to camera/radio manual
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

ACC-HU-KEN2 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
E-Brake	(-)	LtGreen	LtGreen
Reverse Light*	(+)	Purple/White	Purple/White
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

* Reverse light wire: Only connect to radio or module damage will occur.

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 (RR2) Bluetooth activity	LED STATUS	DIAGNOSTIC
● or ●		RED or GREEN flashing	LED flashes 1 or more times, either red or green, **when a steering wheel button is pressed** : normal operation.
●		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do NOT use DEMO MODE.
●		2 RED flashes	Problem detected. Consult troubleshooting table.
●		1 GREEN flash	After radio boots up : Normal operation.
	●	3 GREEN flashes	Bluetooth is activated. Turns off after one minute: Normal operation.
●	●	OFF	Normal operation (inactive).

VIDEO HELP		Installation, product information, vehicle specific videos.
VERIFY FLASH		Last flash information, steering control configuration, vehicle information.
WEBLINK		Software to program module.

TROUBLESHOOTING TABLE P1 /2

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure OBDII connector is securely attached to the OBD2 connector of the vehicle. If you hardwired connections at the OBDII, check connections at the OBDII connector. Make sure the **RED/BROWN** wire is on **PIN 6** and the **YELLOW/BROWN** wire is connected to **PIN 14** of the OBDII connector. Do not use T-Taps. Soldering or military splicing methods are recommended. If anything else is connected to the OBD2 or CAN wires of vehicle (programmer, throttle controller, insurance tracker, etc.) try unplugging it to see if gauges work. If gauges work without it installed, call tech support for options. Reset the RR.
No sound from Onstar or OEM Satellite (if equipped).	Make sure the audio cable is installed and inserted into the correct location on the radio.
Trying to use the OEM Satellite and get "Check Tuner" message.	In order to access the OEM Satellite you must go into the radio sources and look for the one that says "Satellite Radio". The SiriusXM source is not the same as the OEM Satellite source.
When listening to the OEM Satellite radio, the turn signals don't make the clicking noise, but they do in any other source.	This is normal. The audio for OEM Satellite radio and the turn signal clicks both come from the audio cable. The Maestro unit cannot process 2 different audio signals at the same time, so the OEM Satellite is priority.
There is no turn signal clicking noise.	Find OEM Setup in the radio settings. Under Vehicle Feature settings, look for Turn Signal Reminder. If it is set to "Chime If Left On", it will not click. If you wish to hear turn signal clicks, this setting must be set to "Click In Speaker".
No sound from the Bose system (If equipped).	Make sure the amplifier turn on wire (Blue/White) of the T-Harness is connected to the radio's amplifier turn on wire. When flashing the Maestro make sure that the Amplifier in OEM Systems to Retain is selected. Make sure the RCA's are connected to the radio or the speaker wires are connected depending on your installation method.
Vehicle had the Bose system and it was bypassed, now there are no chimes.	Remove the Maestro and reflash it, making sure you uncheck the Amplifier option in the OEM Systems section of the flash.
Audio is very quiet or very loud.	Non amplified vehicles: ensure the AMP adapter is NOT plugged in between the white 8 pin plugs. Amplified vehicles: ensure the AMP adapter IS plugged in between the white 8 pin plugs.
(Vehicle using a HRR-GM2 harness only) Backup camera is not working and displays a black screen on radio when in reverse.	Ensure the 2-pin yellow plug is connected as shown on the diagram.
The light on the Maestro is flashing **RED ONCE**.	There is no firmware on the module; flash the RR module.
The radio is **ON** and the light on the Maestro is blinking **RED TWICE**.	Ensure the 4-pin data cable is connected between the radio and the RR, and that it is plugged into the black port on the Maestro RR. The red and blue ports on the RR should be empty. Make sure the correct radio model and serial number were entered during the flash. Verify the radio's serial number entered during the flash matches what is listed on the radio screen. This can be found in the settings of the radio, listed as Device Id, Device Number, or Serial Number.
The light on the Maestro is blinking **RED TWICE** but radio **is NOT** turning on.	If installing a modular radio and it is not turning on, ensure the screen is secured and any trim pieces on the radio have been installed fully. Not installing these fully will prevent radio from powering up and show a 2x red error as well. Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.

TROUBLESHOOTING TABLE P2 /2

MAESTRO RR RESET PROCEDURE:

Turn the key to the OFF position, then disconnect all connectors from the module.
Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).
Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds to show the reset was successful.

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

IMPORTANT: To ensure proper operation, the aftermarket radio needs to have the latest firmware from the manufacturer. Please visit the radio manufacturer's website and look for any updates pertaining to your radio.

INSTALL GUIDE

2012-2014
CHEVROLET TAHOE
WITHOUT NAV

RETAINS STEERING WHEEL CONTROLS, ONSTAR, BLUETOOTH, XM SATELLITE AND MORE!



PRODUCTS REQUIRED

iDatalink Maestro RR or RR2 Radio Replacement Interface
iDatalink Maestro HRR-GM5+ Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-GM05-DS

ADDITIONAL RESOURCES

Maestro RR2 Programmable Outputs Guide

OPTIONAL ACCESSORIES

K40 ELECTRONICS
ESCORT

Click here for:
Radar Installation Guides

ACC-SP1

HEAD UNIT ADAPTER:
ACC-HU-PIO1, SON1, KEN1, KEN2, ALP1

NOTICE: Automotive Data Solutions Inc. (ADS) recommends having this installation performed by a certified technician. Logos and trademarks used here in are the properties of their respective owners.

WELCOME

Congratulations on the purchase of your iDatalink Maestro RR Radio replacement solution. You are now a few simple steps away from enjoying your new car radio with enhanced features.

Before starting your installation, please ensure that your iDatalink Maestro module is programmed with the correct firmware for your vehicle and that you carefully review the install guide.

Please note that Maestro RR will only retain functionalities that were originally available in the vehicle.

TABLE OF CONTENTS

Before Installing	3
Installation Instructions	4
Wiring Diagram with an Amplifier	5
Wiring Diagram without an Amplifier	6
Radio Wire Reference Chart	7
Module Diagnostics	8
Troubleshooting Table	9

NEED HELP?

1 866 427-2999

maestro.support@idatalink.com

BEFORE INSTALLING P1 /1

STEP 1

DETERMINE IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

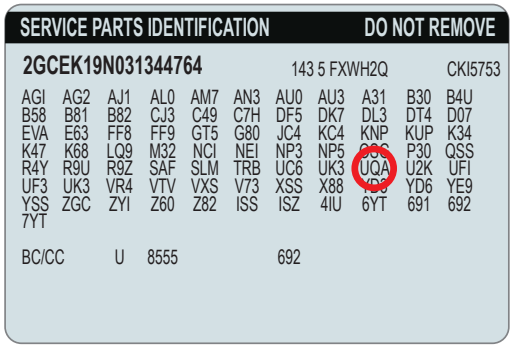
METHOD 1: Look for the following logos in the vehicle. They are usually on the speaker covers or on the radio unit. If you find any of the following logos Bose, Pioneer or Monsoon, you have a factory amplifier.

BOSE

Pioneer

MONSOON

METHOD 2: Look for the following sticker in the glove box. This sticker will indicate all the Regular Production Option (RPO) codes. If you find any of the following codes UQA, UQS or UQG, you have a factory amplifier.



STEP 2

IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **with an amplifier** and read the "**AMPLIFIER ONLY**" note to determine if you should use rca's or level matching circuits.

IF YOUR VEHICLE NOT IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **without an amplifier**.

INSTALLATION INSTRUCTIONS P1/1

STEP 1

Remove the factory radio

If using head unit adapter (sold separately), connect HRR-GM5+ harness to adapter and skip to step 2.

- Unbox the aftermarket radio and locate its main harness.
- Cut and remove the black 20 pin connector from the HRR-GM5+ T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the HRR-GM5+ T-harness and match the wire functions.

  Note: only connect purple/white wire to radio reverse input or module damage will occur.

STEP 2

- Connect the factory harness to the HRR-GM5+ T-harness.
- Without AMP: Ensure that the WHITE 8 pin plugs are connected.
- With AMP: Connect the HRR-GM5+ 8 pin WHITE connectors to the AMP adapter.

STEP 3

- Connect HRR-GM5+ 2-pin black connector to black connector of OBDII extension harness.
- Plug the OBDII connector into the OBDII of the vehicle, under driver dash.

STEP 4

- Plug the harnesses into the aftermarket radio.
- Connect the backup camera RCA cable into the aftermarket radio.
- With AMP: Connect the Center and SUB RCA cables.
- Plug the Data cable to the data port of the aftermarket radio.
- Insert the Audio cable into the iDatalink 3.5 mm audio jack of the aftermarket radio (if there is no iDatalink audio input, connect to AUX).

  Note: On Pioneer radio, ensure that there is nothing plugged into the W/R port.

STEP 5

- Connect the ACC-SP1 speaker to Maestro module.
- Connect all the harnesses to the Maestro RR module then test your installation.

OnStar or warning chime adjust (Audio in vehicle speakers):

- Turn ignition (IGN) on
- Open driver's door

Select to adjust:

OnStar level - Press OnStar button.

Warning chime level - turn headlight switch to parking light position (not AUTO).

- Adjust volume using steering wheel volume up/down OR dimmer switch. If using dimmer switch, ensure headlight switch is NOT set to AUTO.

OnStar, turn signal, or warning chime adjust (Audio in GM5+ speaker):

- Find "OEM setup" menu in radio settings.

Under "Vehicle Features", select to adjust:

Onstar Volume - Level from 0-9

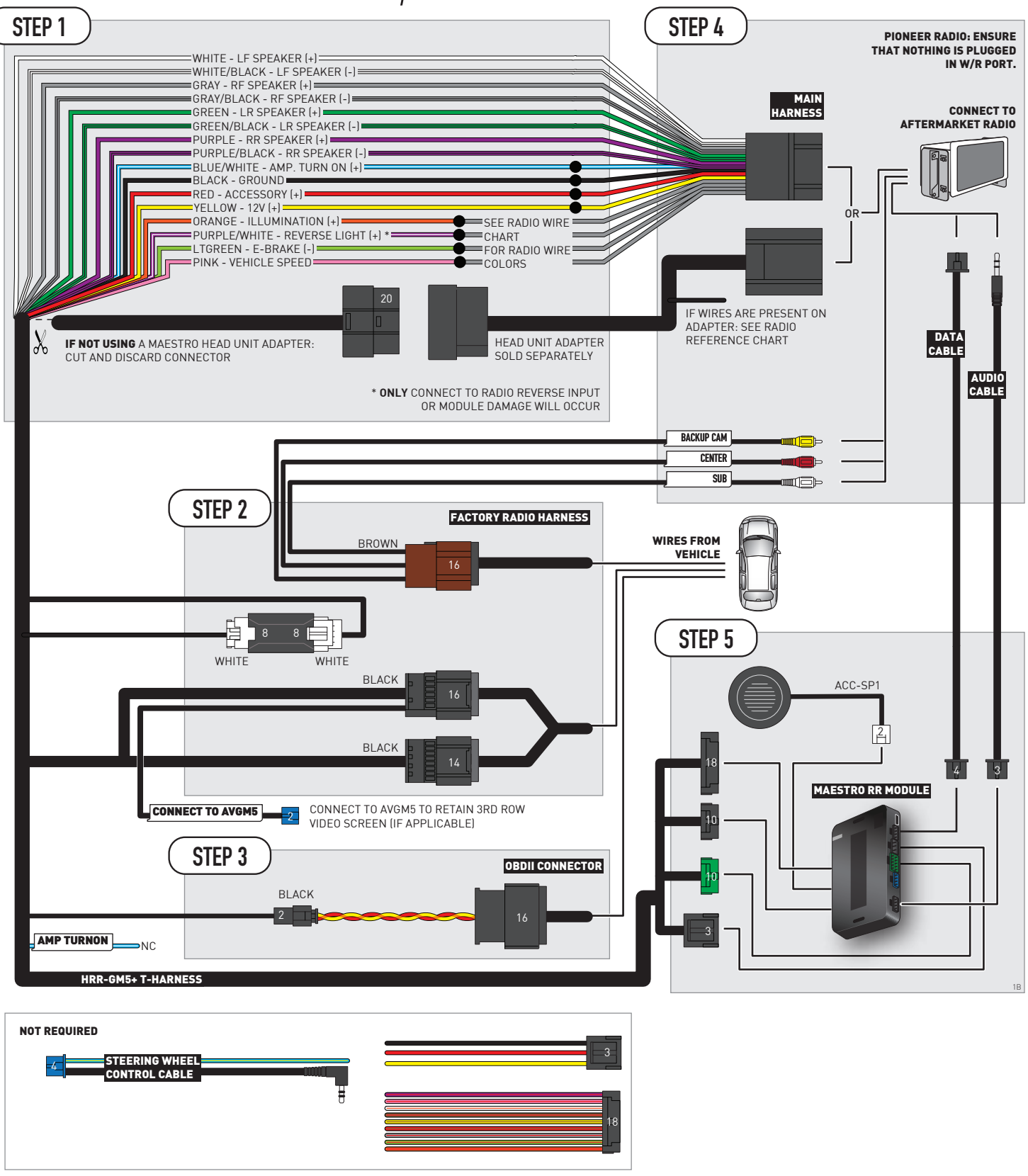
Chime Volume - Level from 0-9

Turn Signal Volume - 1-10

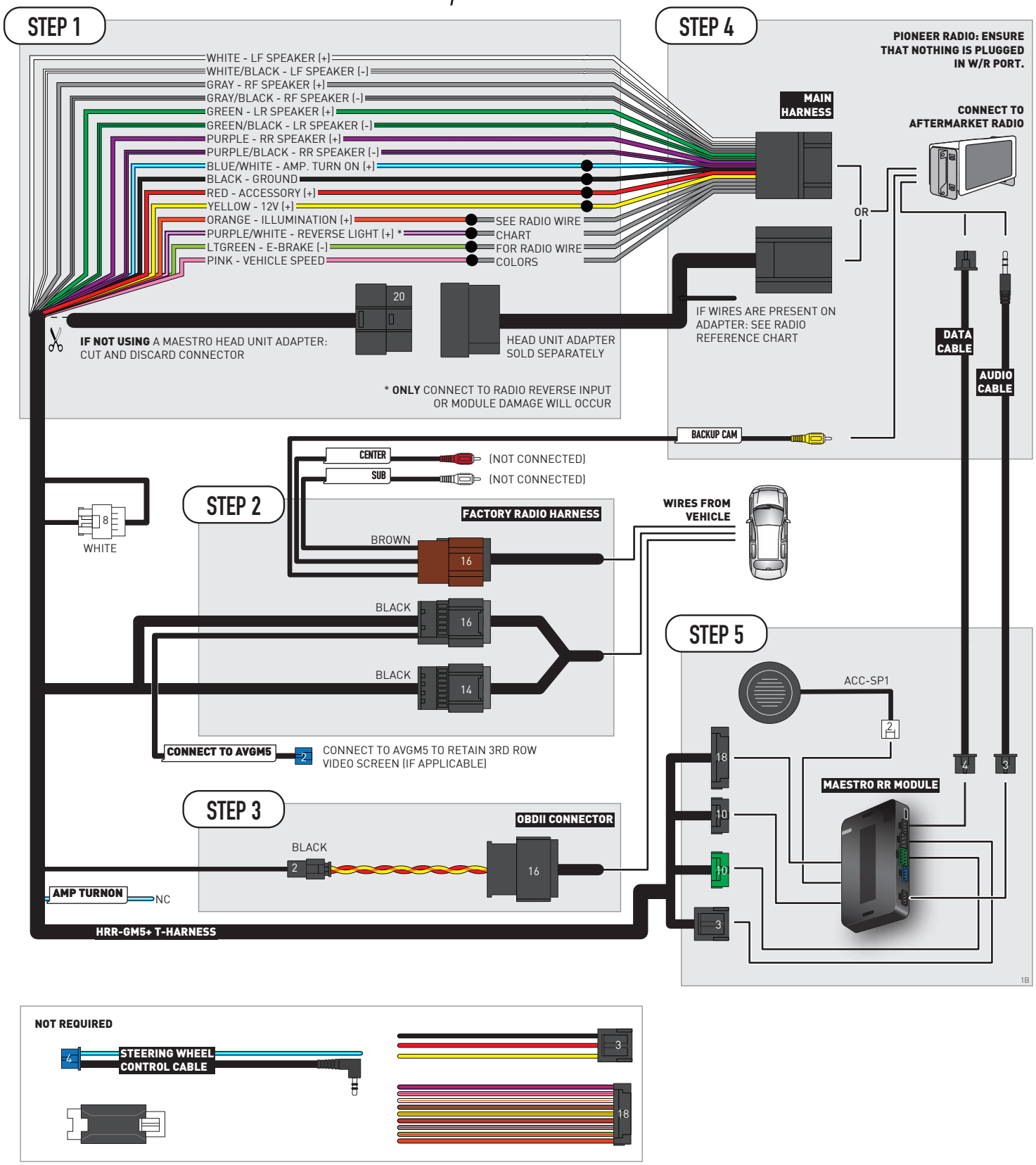
Turn Signal Reminder - Select "Click in speaker" for normal signal sounds. Select "Chime if left on" to only alert if turn signal is left on.

Automotive Data Solutions Inc. © 2023

WIRING DIAGRAM *with an Amplifier*



WIRING DIAGRAM *without an Amplifier*



RADIO WIRE REFERENCE CHART

GM5+ (GM2) T-harness Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/ JVC cable	Wire Color on Pioneer cable	Wire Color on Sony cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light*	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A
Power Antenna	(+)	Blue	Blue	Blue	Blue/White	Blue or Blue/White

Head unit adapter wiring (optional accessory, sold separately)

ACC-HU-ALP1 Wire Description	Polarity	Wire Color on Adapter	Alpine Radio
VSS (vehicle speed sensor)	(DATA)	Green/White	Green/White

ACC-HU-KEN1 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
CAM	(+)	Green/Red	Refer to camera/radio manual
CAM	(-)	Green/White	Refer to camera/radio manual
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

ACC-HU-KEN2 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
E-Brake	(-)	LtGreen	LtGreen
Reverse Light*	(+)	Purple/White	Purple/White
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

* Reverse light wire: Only connect to radio or module damage will occur.

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 (RR2) Bluetooth activity	LED STATUS	DIAGNOSTIC
● or ●		RED or GREEN flashing	LED flashes 1 or more times, either red or green, **when a steering wheel button is pressed** : normal operation.
●		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do NOT use DEMO MODE.
●		2 RED flashes	Problem detected. Consult troubleshooting table.
●		1 GREEN flash	After radio boots up : Normal operation.
	●	3 GREEN flashes	Bluetooth is activated. Turns off after one minute: Normal operation.
●	●	OFF	Normal operation (inactive).

VIDEO HELP		Installation, product information, vehicle specific videos.
VERIFY FLASH		Last flash information, steering control configuration, vehicle information.
WEBLINK		Software to program module.

TROUBLESHOOTING TABLE P1 /2

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure OBDII connector is securely attached to the OBD2 connector of the vehicle. If you hardwired connections at the OBDII, check connections at the OBDII connector. Make sure the **RED/BROWN** wire is on **PIN 6** and the **YELLOW/BROWN** wire is connected to **PIN 14** of the OBDII connector. Do not use T-Taps. Soldering or military splicing methods are recommended. If anything else is connected to the OBD2 or CAN wires of vehicle (programmer, throttle controller, insurance tracker, etc.) try unplugging it to see if gauges work. If gauges work without it installed, call tech support for options. Reset the RR.
No sound from Onstar or OEM Satellite (if equipped).	Make sure the audio cable is installed and inserted into the correct location on the radio.
Trying to use the OEM Satellite and get "Check Tuner" message.	In order to access the OEM Satellite you must go into the radio sources and look for the one that says "Satellite Radio". The SiriusXM source is not the same as the OEM Satellite source.
When listening to the OEM Satellite radio, the turn signals don't make the clicking noise, but they do in any other source.	This is normal. The audio for OEM Satellite radio and the turn signal clicks both come from the audio cable. The Maestro unit cannot process 2 different audio signals at the same time, so the OEM Satellite is priority.
There is no turn signal clicking noise.	Find OEM Setup in the radio settings. Under Vehicle Feature settings, look for Turn Signal Reminder. If it is set to "Chime If Left On", it will not click. If you wish to hear turn signal clicks, this setting must be set to "Click In Speaker".
No sound from the Bose system (If equipped).	Make sure the amplifier turn on wire (Blue/White) of the T-Harness is connected to the radio's amplifier turn on wire. When flashing the Maestro make sure that the Amplifier in OEM Systems to Retain is selected. Make sure the RCA's are connected to the radio or the speaker wires are connected depending on your installation method.
Vehicle had the Bose system and it was bypassed, now there are no chimes.	Remove the Maestro and reflash it, making sure you uncheck the Amplifier option in the OEM Systems section of the flash.
Audio is very quiet or very loud.	Non amplified vehicles: ensure the AMP adapter is NOT plugged in between the white 8 pin plugs. Amplified vehicles: ensure the AMP adapter IS plugged in between the white 8 pin plugs.
(Vehicle using a HRR-GM2 harness only) Backup camera is not working and displays a black screen on radio when in reverse.	Ensure the 2-pin yellow plug is connected as shown on the diagram.
The light on the Maestro is flashing **RED ONCE**.	There is no firmware on the module; flash the RR module.
The radio is **ON** and the light on the Maestro is blinking **RED TWICE**.	Ensure the 4-pin data cable is connected between the radio and the RR, and that it is plugged into the black port on the Maestro RR. The red and blue ports on the RR should be empty. Make sure the correct radio model and serial number were entered during the flash. Verify the radio's serial number entered during the flash matches what is listed on the radio screen. This can be found in the settings of the radio, listed as Device Id, Device Number, or Serial Number.
The light on the Maestro is blinking **RED TWICE** but radio **is NOT** turning on.	If installing a modular radio and it is not turning on, ensure the screen is secured and any trim pieces on the radio have been installed fully. Not installing these fully will prevent radio from powering up and show a 2x red error as well. Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.

TROUBLESHOOTING TABLE P2 /2

MAESTRO RR RESET PROCEDURE:

Turn the key to the OFF position, then disconnect all connectors from the module.
Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).
Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds to show the reset was successful.

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

IMPORTANT: To ensure proper operation, the aftermarket radio needs to have the latest firmware from the manufacturer. Please visit the radio manufacturer's website and look for any updates pertaining to your radio.

INSTALL GUIDE

2009-2017
CHEVROLET TRAVERSE

RETAINS STEERING WHEEL CONTROLS, ONSTAR, BLUETOOTH, XM SATELLITE AND MORE!



PRODUCTS REQUIRED

iDatalink Maestro RR or RR2 Radio Replacement Interface
iDatalink Maestro HRR-GM5+ Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-GM05-DS

ADDITIONAL RESOURCES

Maestro RR2 Programmable Outputs Guide

OPTIONAL ACCESSORIES

K40 ELECTRONICS
ESCORT

Click here for:
Radar Installation Guides

ACC-SP1

HEAD UNIT ADAPTER:
ACC-HU-PIO1, SON1, KEN1, KEN2, ALP1

NOTICE: Automotive Data Solutions Inc. (ADS) recommends having this installation performed by a certified technician. Logos and trademarks used here in are the properties of their respective owners.

WELCOME

Congratulations on the purchase of your iDatalink Maestro RR Radio replacement solution. You are now a few simple steps away from enjoying your new car radio with enhanced features.

Before starting your installation, please ensure that your iDatalink Maestro module is programmed with the correct firmware for your vehicle and that you carefully review the install guide.

Please note that Maestro RR will only retain functionalities that were originally available in the vehicle.

TABLE OF CONTENTS

Before Installing	3
Installation Instructions	4
Wiring Diagram with an Amplifier	5
Wiring Diagram without an Amplifier	6
Radio Wire Reference Chart	7
Module Diagnostics	8
Troubleshooting Table	9

NEED HELP?

1 866 427-2999

maestro.support@idatalink.com

BEFORE INSTALLING P1 /1

STEP 1

DETERMINE IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

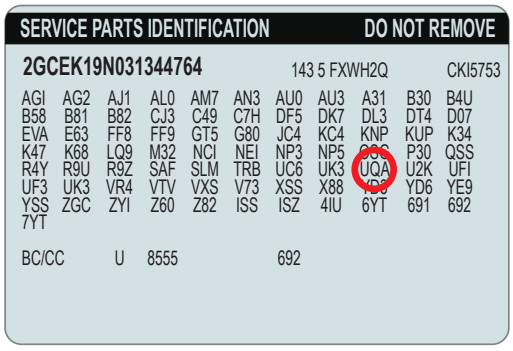
METHOD 1: Look for the following logos in the vehicle. They are usually on the speaker covers or on the radio unit. If you find any of the following logos Bose, Pioneer or Monsoon, you have a factory amplifier.

BOSE

Pioneer

MONSOON

METHOD 2: Look for the following sticker in the glove box. This sticker will indicate all the Regular Production Option (RPO) codes. If you find any of the following codes UQA, UQS or UQG, you have a factory amplifier.



STEP 2

IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **with an amplifier** and read the "**AMPLIFIER ONLY**" note to determine if you should use rca's or level matching circuits.

IF YOUR VEHICLE NOT IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **without an amplifier**.

Automotive Data Solutions Inc. © 2023

INSTALLATION INSTRUCTIONS P1/1

STEP 1

Remove the factory radio

If using head unit adapter (sold separately), connect HRR-GM5+ harness to adapter and skip to step 2.

- Unbox the aftermarket radio and locate its main harness.
- Cut and remove the black 20 pin connector from the HRR-GM5+ T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the HRR-GM5+ T-harness and match the wire functions.

  Note: only connect purple/white wire to radio reverse input or module damage will occur.

STEP 2

- Connect the factory harness to the HRR-GM5+ T-harness.
- Without AMP: Ensure that the WHITE 8 pin plugs are connected.
- With AMP: Connect the HRR-GM5+ 8 pin WHITE connectors to the AMP adapter.

STEP 3

- Connect HRR-GM5+ 2-pin black connector to black connector of OBDII extension harness.
- Plug the OBDII connector into the OBDII of the vehicle, under driver dash.

STEP 4

- Plug the harnesses into the aftermarket radio.
- Connect the backup camera RCA cable into the aftermarket radio.
- With AMP: Connect the Center and SUB RCA cables.
- Plug the Data cable to the data port of the aftermarket radio.
- Insert the Audio cable into the iDatalink 3.5 mm audio jack of the aftermarket radio (if there is no iDatalink audio input, connect to AUX).

  Note: On Pioneer radio, ensure that there is nothing plugged into the W/R port.

STEP 5

- Connect the ACC-SP1 speaker to Maestro module.
- Connect all the harnesses to the Maestro RR module then test your installation.

OnStar or warning chime adjust (Audio in vehicle speakers):

- Turn ignition (IGN) on
- Open driver's door

Select to adjust:

OnStar level - Press OnStar button.

Warning chime level - turn headlight switch to parking light position (not AUTO).

- Adjust volume using steering wheel volume up/down OR dimmer switch. If using dimmer switch, ensure headlight switch is NOT set to AUTO.

OnStar, turn signal, or warning chime adjust (Audio in GM5+ speaker):

- Find "OEM setup" menu in radio settings.

Under "Vehicle Features", select to adjust:

Onstar Volume - Level from 0-9

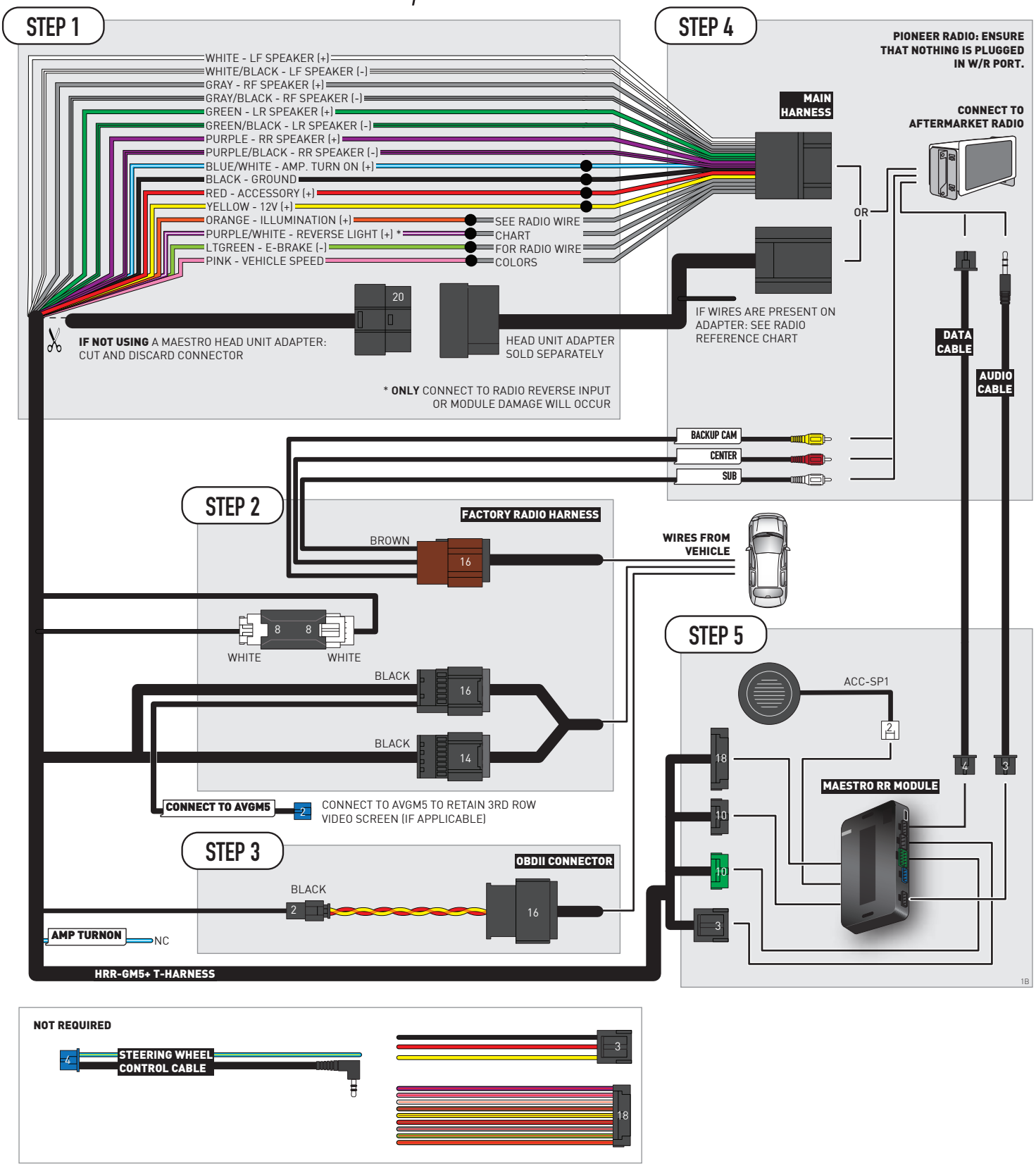
Chime Volume - Level from 0-9

Turn Signal Volume - 1-10

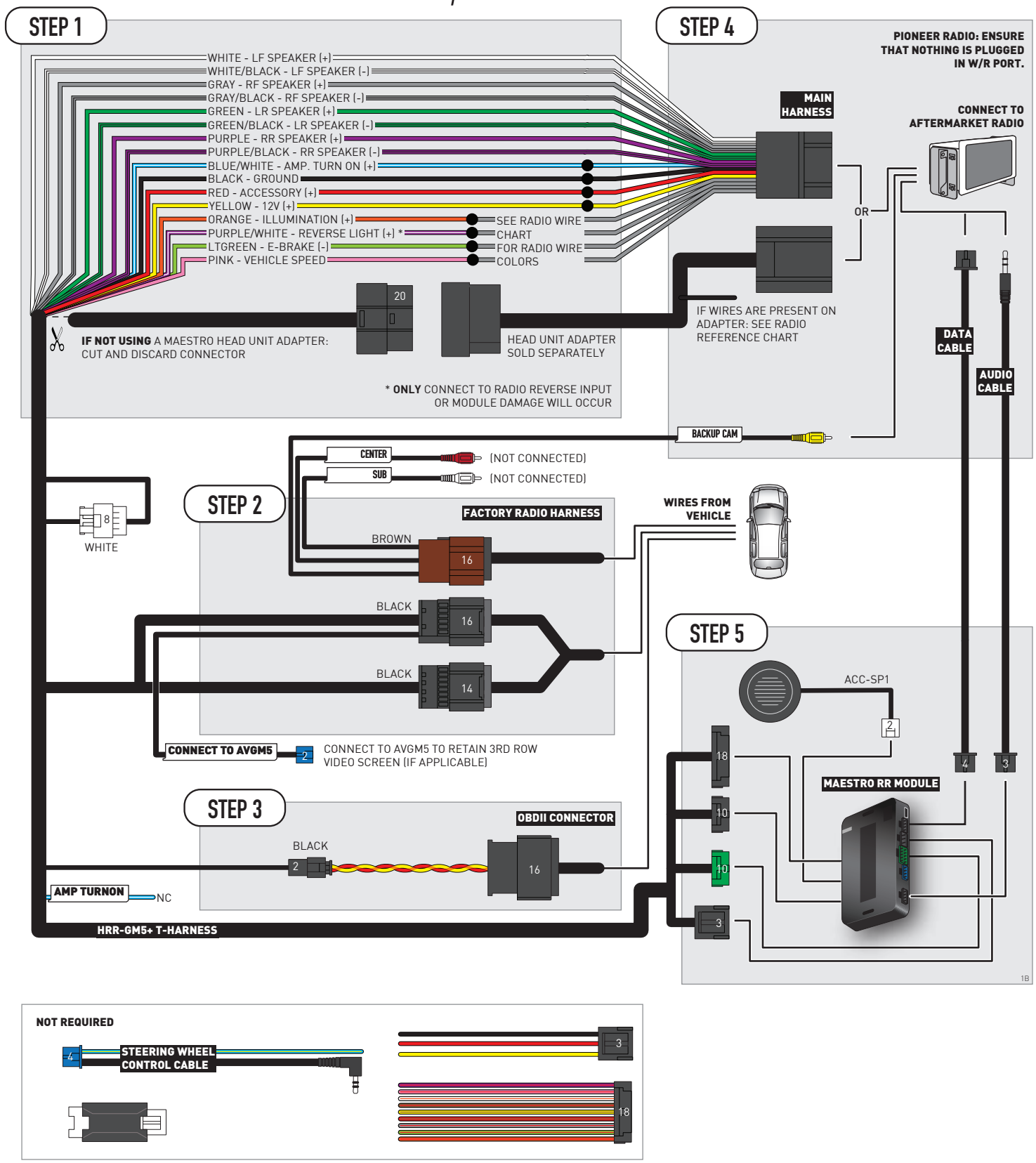
Turn Signal Reminder - Select "Click in speaker" for normal signal sounds. Select "Chime if left on" to only alert if turn signal is left on.

Automotive Data Solutions Inc. © 2023

WIRING DIAGRAM *with an Amplifier*



WIRING DIAGRAM *without an Amplifier*



RADIO WIRE REFERENCE CHART

GM5+ (GM2) T-harness Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/ JVC cable	Wire Color on Pioneer cable	Wire Color on Sony cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light*	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A
Power Antenna	(+)	Blue	Blue	Blue	Blue/White	Blue or Blue/White

Head unit adapter wiring (optional accessory, sold separately)

ACC-HU-ALP1 Wire Description	Polarity	Wire Color on Adapter	Alpine Radio
VSS (vehicle speed sensor)	(DATA)	Green/White	Green/White

ACC-HU-KEN1 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
CAM	(+)	Green/Red	Refer to camera/radio manual
CAM	(-)	Green/White	Refer to camera/radio manual
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

ACC-HU-KEN2 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
E-Brake	(-)	LtGreen	LtGreen
Reverse Light*	(+)	Purple/White	Purple/White
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

* Reverse light wire: Only connect to radio or module damage will occur.

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 (RR2) Bluetooth activity	LED STATUS	DIAGNOSTIC
● or ●		RED or GREEN flashing	LED flashes 1 or more times, either red or green, **when a steering wheel button is pressed** : normal operation.
●		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do NOT use DEMO MODE.
●		2 RED flashes	Problem detected. Consult troubleshooting table.
●		1 GREEN flash	After radio boots up : Normal operation.
	●	3 GREEN flashes	Bluetooth is activated. Turns off after one minute: Normal operation.
●	●	OFF	Normal operation (inactive).

VIDEO HELP		Installation, product information, vehicle specific videos.
VERIFY FLASH		Last flash information, steering control configuration, vehicle information.
WEBLINK		Software to program module.

TROUBLESHOOTING TABLE P1 /2

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure OBDII connector is securely attached to the OBD2 connector of the vehicle. If you hardwired connections at the OBDII, check connections at the OBDII connector. Make sure the **RED/BROWN** wire is on **PIN 6** and the **YELLOW/BROWN** wire is connected to **PIN 14** of the OBDII connector. Do not use T-Taps. Soldering or military splicing methods are recommended. If anything else is connected to the OBD2 or CAN wires of vehicle (programmer, throttle controller, insurance tracker, etc.) try unplugging it to see if gauges work. If gauges work without it installed, call tech support for options. Reset the RR.
No sound from Onstar or OEM Satellite (if equipped).	Make sure the audio cable is installed and inserted into the correct location on the radio.
Trying to use the OEM Satellite and get "Check Tuner" message.	In order to access the OEM Satellite you must go into the radio sources and look for the one that says "Satellite Radio". The SiriusXM source is not the same as the OEM Satellite source.
When listening to the OEM Satellite radio, the turn signals don't make the clicking noise, but they do in any other source.	This is normal. The audio for OEM Satellite radio and the turn signal clicks both come from the audio cable. The Maestro unit cannot process 2 different audio signals at the same time, so the OEM Satellite is priority.
There is no turn signal clicking noise.	Find OEM Setup in the radio settings. Under Vehicle Feature settings, look for Turn Signal Reminder. If it is set to "Chime If Left On", it will not click. If you wish to hear turn signal clicks, this setting must be set to "Click In Speaker".
No sound from the Bose system (If equipped).	Make sure the amplifier turn on wire (Blue/White) of the T-Harness is connected to the radio's amplifier turn on wire. When flashing the Maestro make sure that the Amplifier in OEM Systems to Retain is selected. Make sure the RCA's are connected to the radio or the speaker wires are connected depending on your installation method.
Vehicle had the Bose system and it was bypassed, now there are no chimes.	Remove the Maestro and reflash it, making sure you uncheck the Amplifier option in the OEM Systems section of the flash.
Audio is very quiet or very loud.	Non amplified vehicles: ensure the AMP adapter is NOT plugged in between the white 8 pin plugs. Amplified vehicles: ensure the AMP adapter IS plugged in between the white 8 pin plugs.
(Vehicle using a HRR-GM2 harness only) Backup camera is not working and displays a black screen on radio when in reverse.	Ensure the 2-pin yellow plug is connected as shown on the diagram.
The light on the Maestro is flashing **RED ONCE**.	There is no firmware on the module; flash the RR module.
The radio is **ON** and the light on the Maestro is blinking **RED TWICE**.	Ensure the 4-pin data cable is connected between the radio and the RR, and that it is plugged into the black port on the Maestro RR. The red and blue ports on the RR should be empty. Make sure the correct radio model and serial number were entered during the flash. Verify the radio's serial number entered during the flash matches what is listed on the radio screen. This can be found in the settings of the radio, listed as Device Id, Device Number, or Serial Number.
The light on the Maestro is blinking **RED TWICE** but radio **is NOT** turning on.	If installing a modular radio and it is not turning on, ensure the screen is secured and any trim pieces on the radio have been installed fully. Not installing these fully will prevent radio from powering up and show a 2x red error as well. Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.

TROUBLESHOOTING TABLE P2 /2

MAESTRO RR RESET PROCEDURE:

Turn the key to the OFF position, then disconnect all connectors from the module.
Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).
Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds to show the reset was successful.

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

IMPORTANT: To ensure proper operation, the aftermarket radio needs to have the latest firmware from the manufacturer. Please visit the radio manufacturer's website and look for any updates pertaining to your radio.

INSTALL GUIDE

2007-2016
GMC ACADIA

RETAINS STEERING WHEEL CONTROLS, ONSTAR, BLUETOOTH, XM SATELLITE AND MORE!



PRODUCTS REQUIRED

iDatalink Maestro RR or RR2 Radio Replacement Interface
iDatalink Maestro HRR-GM5+ Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-GM05-DS

ADDITIONAL RESOURCES

Maestro RR2 Programmable Outputs Guide

OPTIONAL ACCESSORIES

K40 ELECTRONICS
ESCORT

Click here for:
Radar Installation Guides

ACC-SP1

HEAD UNIT ADAPTER:
ACC-HU-PIO1, SON1, KEN1, KEN2, ALP1

NOTICE: Automotive Data Solutions Inc. (ADS) recommends having this installation performed by a certified technician. Logos and trademarks used here in are the properties of their respective owners.

WELCOME

Congratulations on the purchase of your iDatalink Maestro RR Radio replacement solution. You are now a few simple steps away from enjoying your new car radio with enhanced features.

Before starting your installation, please ensure that your iDatalink Maestro module is programmed with the correct firmware for your vehicle and that you carefully review the install guide.

Please note that Maestro RR will only retain functionalities that were originally available in the vehicle.

TABLE OF CONTENTS

Before Installing	3
Installation Instructions	4
Wiring Diagram with an Amplifier	5
Wiring Diagram without an Amplifier	6
Radio Wire Reference Chart	7
Module Diagnostics	8
Troubleshooting Table	9

NEED HELP?

1 866 427-2999

maestro.support@idatalink.com

BEFORE INSTALLING P1 /1

STEP 1

DETERMINE IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

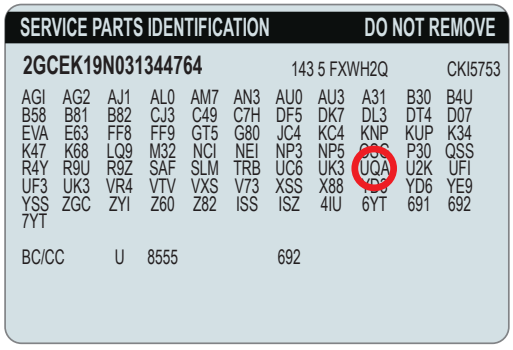
METHOD 1: Look for the following logos in the vehicle. They are usually on the speaker covers or on the radio unit. If you find any of the following logos Bose, Pioneer or Monsoon, you have a factory amplifier.

BOSE

Pioneer

MONSOON

METHOD 2: Look for the following sticker in the glove box. This sticker will indicate all the Regular Production Option (RPO) codes. If you find any of the following codes UQA, UQS or UQG, you have a factory amplifier.



STEP 2

IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **with an amplifier** and read the "**AMPLIFIER ONLY**" note to determine if you should use rca's or level matching circuits.

IF YOUR VEHICLE NOT IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **without an amplifier**.

Automotive Data Solutions Inc. © 2023

INSTALLATION INSTRUCTIONS P1/1

STEP 1

Remove the factory radio

If using head unit adapter (sold separately), connect HRR-GM5+ harness to adapter and skip to step 2.

- Unbox the aftermarket radio and locate its main harness.
- Cut and remove the black 20 pin connector from the HRR-GM5+ T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the HRR-GM5+ T-harness and match the wire functions.

  Note: only connect purple/white wire to radio reverse input or module damage will occur.

STEP 2

- Connect the factory harness to the HRR-GM5+ T-harness.
- Without AMP: Ensure that the WHITE 8 pin plugs are connected.
- With AMP: Connect the HRR-GM5+ 8 pin WHITE connectors to the AMP adapter.

STEP 3

- Connect HRR-GM5+ 2-pin black connector to black connector of OBDII extension harness.
- Plug the OBDII connector into the OBDII of the vehicle, under driver dash.

STEP 4

- Plug the harnesses into the aftermarket radio.
- Connect the backup camera RCA cable into the aftermarket radio.
- With AMP: Connect the Center and SUB RCA cables.
- Plug the Data cable to the data port of the aftermarket radio.
- Insert the Audio cable into the iDatalink 3.5 mm audio jack of the aftermarket radio (if there is no iDatalink audio input, connect to AUX).

  Note: On Pioneer radio, ensure that there is nothing plugged into the W/R port.

STEP 5

- Connect the ACC-SP1 speaker to Maestro module.
- Connect all the harnesses to the Maestro RR module then test your installation.

OnStar or warning chime adjust (Audio in vehicle speakers):

- Turn ignition (IGN) on
- Open driver's door

Select to adjust:

OnStar level - Press OnStar button.

Warning chime level - turn headlight switch to parking light position (not AUTO).

- Adjust volume using steering wheel volume up/down OR dimmer switch. If using dimmer switch, ensure headlight switch is NOT set to AUTO.

OnStar, turn signal, or warning chime adjust (Audio in GM5+ speaker):

- Find "OEM setup" menu in radio settings.

Under "Vehicle Features", select to adjust:

Onstar Volume - Level from 0-9

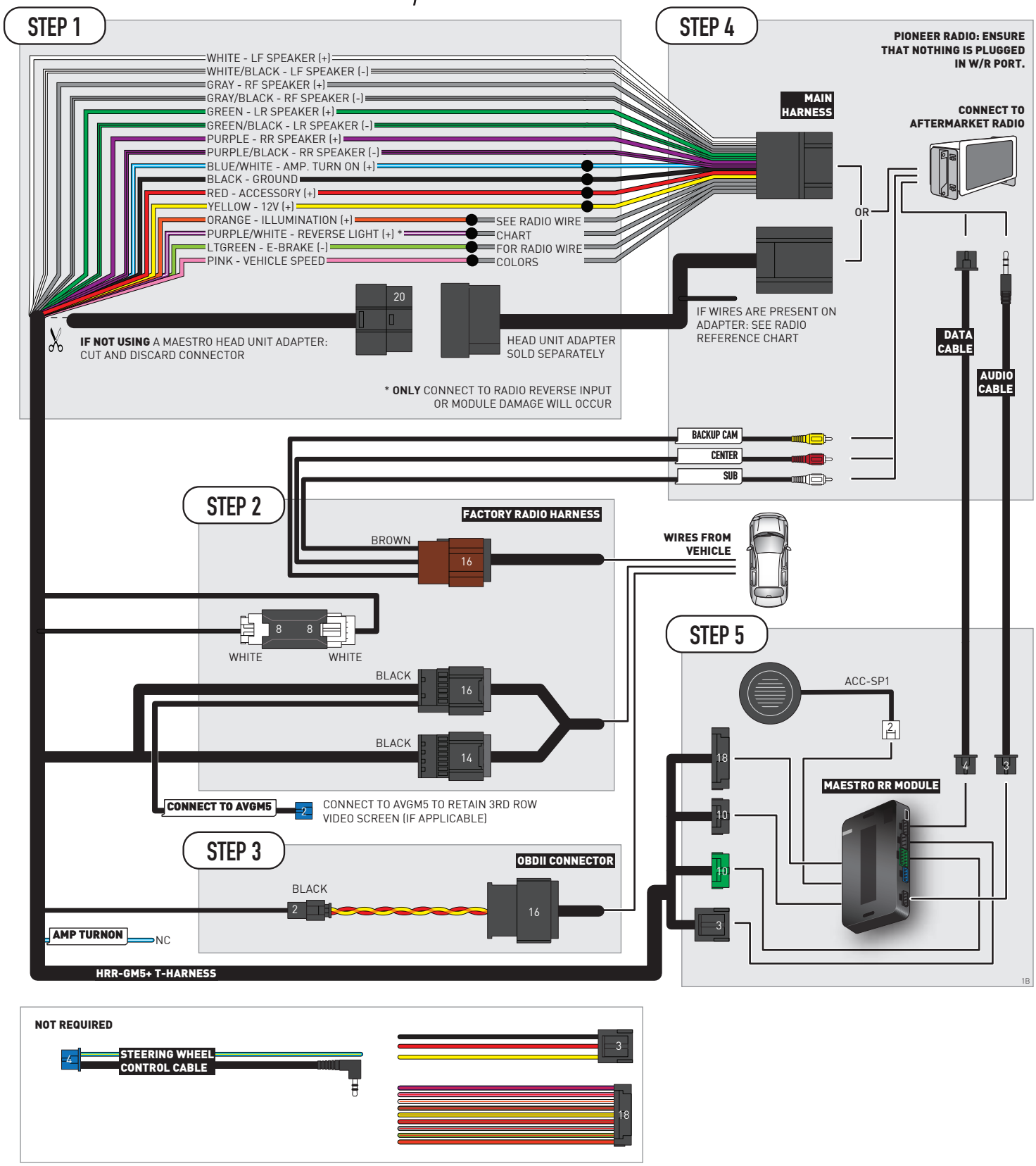
Chime Volume - Level from 0-9

Turn Signal Volume - 1-10

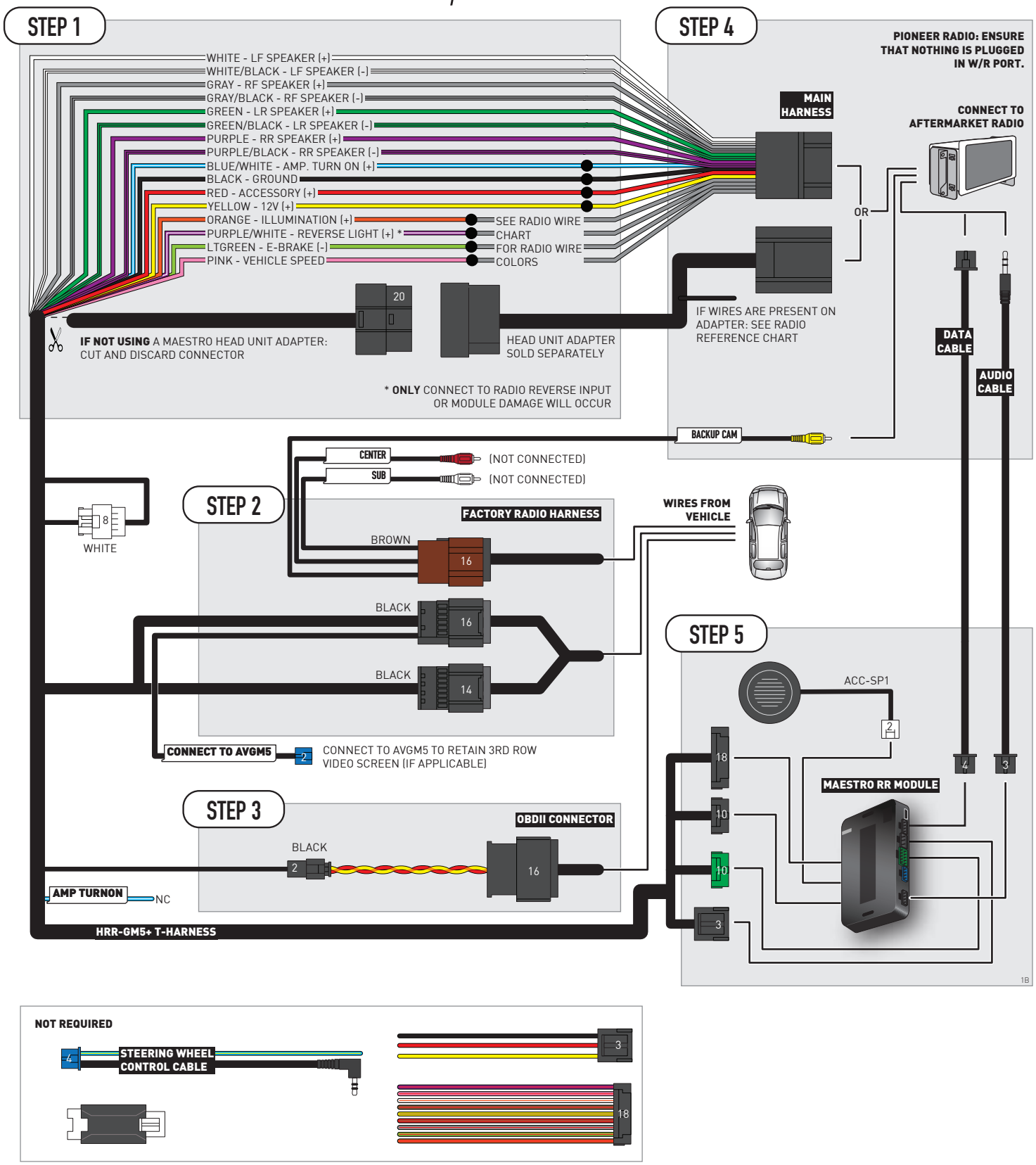
Turn Signal Reminder - Select "Click in speaker" for normal signal sounds. Select "Chime if left on" to only alert if turn signal is left on.

1

WIRING DIAGRAM *with an Amplifier*



WIRING DIAGRAM *without an Amplifier*



RADIO WIRE REFERENCE CHART

GM5+ (GM2) T-harness Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/ JVC cable	Wire Color on Pioneer cable	Wire Color on Sony cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light*	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A
Power Antenna	(+)	Blue	Blue	Blue	Blue/White	Blue or Blue/White

Head unit adapter wiring (optional accessory, sold separately)

ACC-HU-ALP1 Wire Description	Polarity	Wire Color on Adapter	Alpine Radio
VSS (vehicle speed sensor)	(DATA)	Green/White	Green/White

ACC-HU-KEN1 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
CAM	(+)	Green/Red	Refer to camera/radio manual
CAM	(-)	Green/White	Refer to camera/radio manual
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

ACC-HU-KEN2 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
E-Brake	(-)	LtGreen	LtGreen
Reverse Light*	(+)	Purple/White	Purple/White
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

* Reverse light wire: Only connect to radio or module damage will occur.

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 (RR2) Bluetooth activity	LED STATUS	DIAGNOSTIC
● or ●		RED or GREEN flashing	LED flashes 1 or more times, either red or green, **when a steering wheel button is pressed** : normal operation.
●		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do NOT use DEMO MODE.
●		2 RED flashes	Problem detected. Consult troubleshooting table.
●		1 GREEN flash	After radio boots up : Normal operation.
	●	3 GREEN flashes	Bluetooth is activated. Turns off after one minute: Normal operation.
●	●	OFF	Normal operation (inactive).

VIDEO HELP		Installation, product information, vehicle specific videos.
VERIFY FLASH		Last flash information, steering control configuration, vehicle information.
WEBLINK		Software to program module.

TROUBLESHOOTING TABLE P1 /2

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure OBDII connector is securely attached to the OBD2 connector of the vehicle. If you hardwired connections at the OBDII, check connections at the OBDII connector. Make sure the **RED/BROWN** wire is on **PIN 6** and the **YELLOW/BROWN** wire is connected to **PIN 14** of the OBDII connector. Do not use T-Taps. Soldering or military splicing methods are recommended. If anything else is connected to the OBD2 or CAN wires of vehicle (programmer, throttle controller, insurance tracker, etc.) try unplugging it to see if gauges work. If gauges work without it installed, call tech support for options. Reset the RR.
No sound from Onstar or OEM Satellite (if equipped).	Make sure the audio cable is installed and inserted into the correct location on the radio.
Trying to use the OEM Satellite and get "Check Tuner" message.	In order to access the OEM Satellite you must go into the radio sources and look for the one that says "Satellite Radio". The SiriusXM source is not the same as the OEM Satellite source.
When listening to the OEM Satellite radio, the turn signals don't make the clicking noise, but they do in any other source.	This is normal. The audio for OEM Satellite radio and the turn signal clicks both come from the audio cable. The Maestro unit cannot process 2 different audio signals at the same time, so the OEM Satellite is priority.
There is no turn signal clicking noise.	Find OEM Setup in the radio settings. Under Vehicle Feature settings, look for Turn Signal Reminder. If it is set to "Chime If Left On", it will not click. If you wish to hear turn signal clicks, this setting must be set to "Click In Speaker".
No sound from the Bose system (If equipped).	Make sure the amplifier turn on wire (Blue/White) of the T-Harness is connected to the radio's amplifier turn on wire. When flashing the Maestro make sure that the Amplifier in OEM Systems to Retain is selected. Make sure the RCA's are connected to the radio or the speaker wires are connected depending on your installation method.
Vehicle had the Bose system and it was bypassed, now there are no chimes.	Remove the Maestro and reflash it, making sure you uncheck the Amplifier option in the OEM Systems section of the flash.
Audio is very quiet or very loud.	Non amplified vehicles: ensure the AMP adapter is NOT plugged in between the white 8 pin plugs. Amplified vehicles: ensure the AMP adapter IS plugged in between the white 8 pin plugs.
(Vehicle using a HRR-GM2 harness only) Backup camera is not working and displays a black screen on radio when in reverse.	Ensure the 2-pin yellow plug is connected as shown on the diagram.
The light on the Maestro is flashing **RED ONCE**.	There is no firmware on the module; flash the RR module.
The radio is **ON** and the light on the Maestro is blinking **RED TWICE**.	Ensure the 4-pin data cable is connected between the radio and the RR, and that it is plugged into the black port on the Maestro RR. The red and blue ports on the RR should be empty. Make sure the correct radio model and serial number were entered during the flash. Verify the radio's serial number entered during the flash matches what is listed on the radio screen. This can be found in the settings of the radio, listed as Device Id, Device Number, or Serial Number.
The light on the Maestro is blinking **RED TWICE** but radio **is NOT** turning on.	If installing a modular radio and it is not turning on, ensure the screen is secured and any trim pieces on the radio have been installed fully. Not installing these fully will prevent radio from powering up and show a 2x red error as well. Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.

TROUBLESHOOTING TABLE P2 /2

MAESTRO RR RESET PROCEDURE:

Turn the key to the OFF position, then disconnect all connectors from the module.
Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).
Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds to show the reset was successful.

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

IMPORTANT: To ensure proper operation, the aftermarket radio needs to have the latest firmware from the manufacturer. Please visit the radio manufacturer's website and look for any updates pertaining to your radio.

INSTALL GUIDE

2017
GMC ACADIA LIMITED

RETAINS STEERING WHEEL CONTROLS, ONSTAR, BLUETOOTH, XM SATELLITE AND MORE!



PRODUCTS REQUIRED

iDatalink Maestro RR or RR2 Radio Replacement Interface
iDatalink Maestro HRR-GM5+ Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-GM05-DS

ADDITIONAL RESOURCES

Maestro RR2 Programmable Outputs Guide

OPTIONAL ACCESSORIES

K40 ELECTRONICS
ESCORT

ACC-SP1

Click here for:
Radar Installation Guides

HEAD UNIT ADAPTER:
ACC-HU-PIO1, SON1, KEN1, KEN2, ALP1

NOTICE: Automotive Data Solutions Inc. (ADS) recommends having this installation performed by a certified technician. Logos and trademarks used here in are the properties of their respective owners.

WELCOME

Congratulations on the purchase of your iDatalink Maestro RR Radio replacement solution. You are now a few simple steps away from enjoying your new car radio with enhanced features.

Before starting your installation, please ensure that your iDatalink Maestro module is programmed with the correct firmware for your vehicle and that you carefully review the install guide.

Please note that Maestro RR will only retain functionalities that were originally available in the vehicle.

TABLE OF CONTENTS

Before Installing	3
Installation Instructions	4
Wiring Diagram with an Amplifier	5
Wiring Diagram without an Amplifier	6
Radio Wire Reference Chart	7
Module Diagnostics	8
Troubleshooting Table	9

NEED HELP?

1 866 427-2999

maestro.support@idatalink.com

BEFORE INSTALLING P1 /1

STEP 1

DETERMINE IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

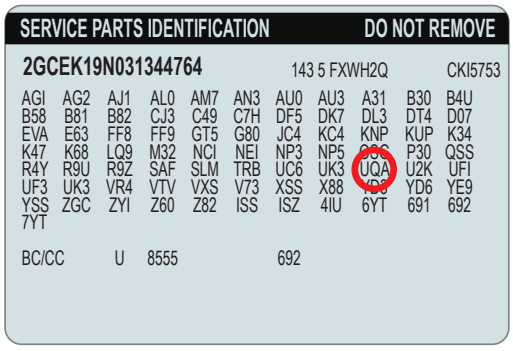
METHOD 1: Look for the following logos in the vehicle. They are usually on the speaker covers or on the radio unit. If you find any of the following logos Bose, Pioneer or Monsoon, you have a factory amplifier.

BOSE

Pioneer

MONSOON

METHOD 2: Look for the following sticker in the glove box. This sticker will indicate all the Regular Production Option (RPO) codes. If you find any of the following codes UQA, UQS or UQG, you have a factory amplifier.



STEP 2

IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **with an amplifier** and read the "**AMPLIFIER ONLY**" note to determine if you should use rca's or level matching circuits.

IF YOUR VEHICLE NOT IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **without an amplifier**.

Automotive Data Solutions Inc. © 2023

INSTALLATION INSTRUCTIONS P1/1

STEP 1

Remove the factory radio

If using head unit adapter (sold separately), connect HRR-GM5+ harness to adapter and skip to step 2.

- Unbox the aftermarket radio and locate its main harness.
- Cut and remove the black 20 pin connector from the HRR-GM5+ T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the HRR-GM5+ T-harness and match the wire functions.

  Note: only connect purple/white wire to radio reverse input or module damage will occur.

STEP 2

- Connect the factory harness to the HRR-GM5+ T-harness.
- Without AMP: Ensure that the WHITE 8 pin plugs are connected.
- With AMP: Connect the HRR-GM5+ 8 pin WHITE connectors to the AMP adapter.

STEP 3

- Connect HRR-GM5+ 2-pin black connector to black connector of OBDII extension harness.
- Plug the OBDII connector into the OBDII of the vehicle, under driver dash.

STEP 4

- Plug the harnesses into the aftermarket radio.
- Connect the backup camera RCA cable into the aftermarket radio.
- With AMP: Connect the Center and SUB RCA cables.
- Plug the Data cable to the data port of the aftermarket radio.
- Insert the Audio cable into the iDatalink 3.5 mm audio jack of the aftermarket radio (if there is no iDatalink audio input, connect to AUX).

  Note: On Pioneer radio, ensure that there is nothing plugged into the W/R port.

STEP 5

- Connect the ACC-SP1 speaker to Maestro module.
- Connect all the harnesses to the Maestro RR module then test your installation.

OnStar or warning chime adjust (Audio in vehicle speakers):

- Turn ignition (IGN) on
- Open driver's door

Select to adjust:

OnStar level - Press OnStar button.

Warning chime level - turn headlight switch to parking light position (not AUTO).

- Adjust volume using steering wheel volume up/down OR dimmer switch. If using dimmer switch, ensure headlight switch is NOT set to AUTO.

OnStar, turn signal, or warning chime adjust (Audio in GM5+ speaker):

- Find "OEM setup" menu in radio settings.

Under "Vehicle Features", select to adjust:

Onstar Volume - Level from 0-9

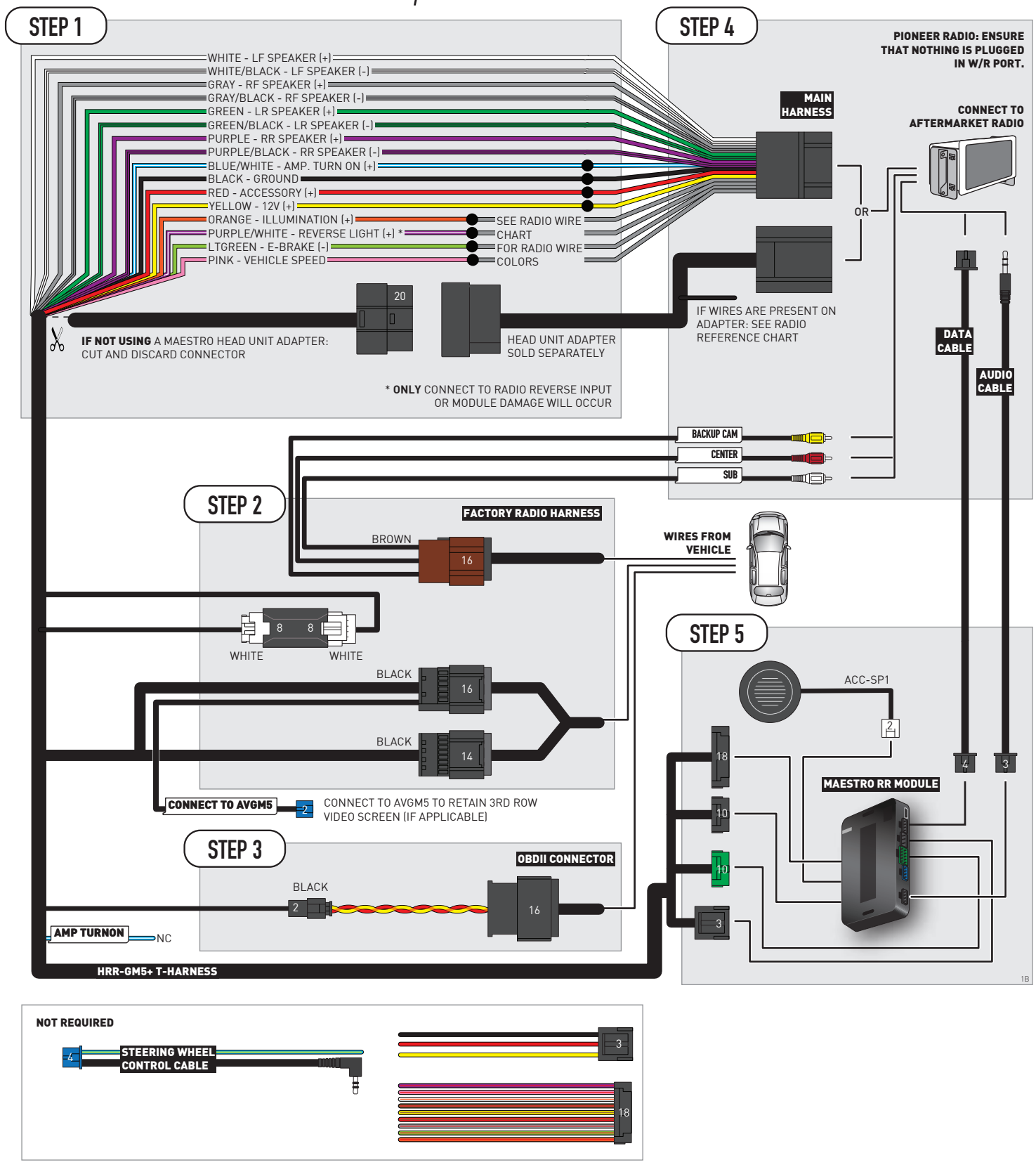
Chime Volume - Level from 0-9

Turn Signal Volume - 1-10

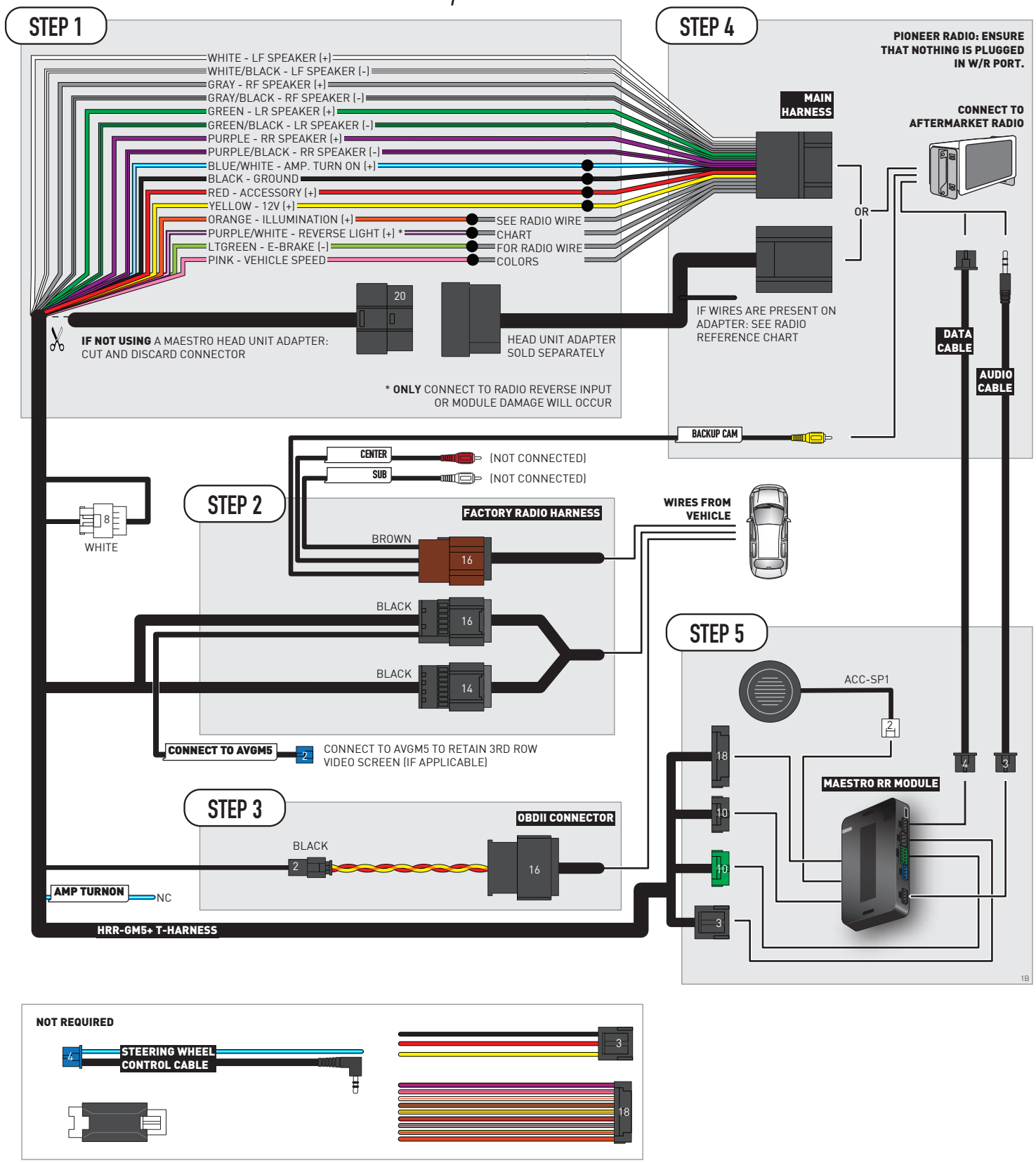
Turn Signal Reminder - Select "Click in speaker" for normal signal sounds. Select "Chime if left on" to only alert if turn signal is left on.

Automotive Data Solutions Inc. © 2023

WIRING DIAGRAM *with an Amplifier*



WIRING DIAGRAM *without an Amplifier*



RADIO WIRE REFERENCE CHART

GM5+ (GM2) T-harness Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/ JVC cable	Wire Color on Pioneer cable	Wire Color on Sony cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light*	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A
Power Antenna	(+)	Blue	Blue	Blue	Blue/White	Blue or Blue/White

Head unit adapter wiring (optional accessory, sold separately)

ACC-HU-ALP1 Wire Description	Polarity	Wire Color on Adapter	Alpine Radio
VSS (vehicle speed sensor)	(DATA)	Green/White	Green/White

ACC-HU-KEN1 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
CAM	(+)	Green/Red	Refer to camera/radio manual
CAM	(-)	Green/White	Refer to camera/radio manual
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

ACC-HU-KEN2 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
E-Brake	(-)	LtGreen	LtGreen
Reverse Light*	(+)	Purple/White	Purple/White
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

* Reverse light wire: Only connect to radio or module damage will occur.

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 (RR2) Bluetooth activity	LED STATUS	DIAGNOSTIC
● or ●		RED or GREEN flashing	LED flashes 1 or more times, either red or green, **when a steering wheel button is pressed** : normal operation.
●		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do NOT use DEMO MODE.
●		2 RED flashes	Problem detected. Consult troubleshooting table.
●		1 GREEN flash	After radio boots up : Normal operation.
	●	3 GREEN flashes	Bluetooth is activated. Turns off after one minute: Normal operation.
●	●	OFF	Normal operation (inactive).

VIDEO HELP		Installation, product information, vehicle specific videos.
VERIFY FLASH		Last flash information, steering control configuration, vehicle information.
WEBLINK		Software to program module.

TROUBLESHOOTING TABLE P1 /2

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure OBDII connector is securely attached to the OBD2 connector of the vehicle. If you hardwired connections at the OBDII, check connections at the OBDII connector. Make sure the **RED/BROWN** wire is on **PIN 6** and the **YELLOW/BROWN** wire is connected to **PIN 14** of the OBDII connector. Do not use T-Taps. Soldering or military splicing methods are recommended. If anything else is connected to the OBD2 or CAN wires of vehicle (programmer, throttle controller, insurance tracker, etc.) try unplugging it to see if gauges work. If gauges work without it installed, call tech support for options. Reset the RR.
No sound from Onstar or OEM Satellite (if equipped).	Make sure the audio cable is installed and inserted into the correct location on the radio.
Trying to use the OEM Satellite and get "Check Tuner" message.	In order to access the OEM Satellite you must go into the radio sources and look for the one that says "Satellite Radio". The SiriusXM source is not the same as the OEM Satellite source.
When listening to the OEM Satellite radio, the turn signals don't make the clicking noise, but they do in any other source.	This is normal. The audio for OEM Satellite radio and the turn signal clicks both come from the audio cable. The Maestro unit cannot process 2 different audio signals at the same time, so the OEM Satellite is priority.
There is no turn signal clicking noise.	Find OEM Setup in the radio settings. Under Vehicle Feature settings, look for Turn Signal Reminder. If it is set to "Chime If Left On", it will not click. If you wish to hear turn signal clicks, this setting must be set to "Click In Speaker".
No sound from the Bose system (If equipped).	Make sure the amplifier turn on wire (Blue/White) of the T-Harness is connected to the radio's amplifier turn on wire. When flashing the Maestro make sure that the Amplifier in OEM Systems to Retain is selected. Make sure the RCA's are connected to the radio or the speaker wires are connected depending on your installation method.
Vehicle had the Bose system and it was bypassed, now there are no chimes.	Remove the Maestro and reflash it, making sure you uncheck the Amplifier option in the OEM Systems section of the flash.
Audio is very quiet or very loud.	Non amplified vehicles: ensure the AMP adapter is NOT plugged in between the white 8 pin plugs. Amplified vehicles: ensure the AMP adapter IS plugged in between the white 8 pin plugs.
(Vehicle using a HRR-GM2 harness only) Backup camera is not working and displays a black screen on radio when in reverse.	Ensure the 2-pin yellow plug is connected as shown on the diagram.
The light on the Maestro is flashing **RED ONCE**.	There is no firmware on the module; flash the RR module.
The radio is **ON** and the light on the Maestro is blinking **RED TWICE**.	Ensure the 4-pin data cable is connected between the radio and the RR, and that it is plugged into the black port on the Maestro RR. The red and blue ports on the RR should be empty. Make sure the correct radio model and serial number were entered during the flash. Verify the radio's serial number entered during the flash matches what is listed on the radio screen. This can be found in the settings of the radio, listed as Device Id, Device Number, or Serial Number.
The light on the Maestro is blinking **RED TWICE** but radio **is NOT** turning on.	If installing a modular radio and it is not turning on, ensure the screen is secured and any trim pieces on the radio have been installed fully. Not installing these fully will prevent radio from powering up and show a 2x red error as well. Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.

TROUBLESHOOTING TABLE P2 /2

MAESTRO RR RESET PROCEDURE:

Turn the key to the OFF position, then disconnect all connectors from the module.
Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).
Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds to show the reset was successful.

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

IMPORTANT: To ensure proper operation, the aftermarket radio needs to have the latest firmware from the manufacturer. Please visit the radio manufacturer's website and look for any updates pertaining to your radio.

INSTALL GUIDE

2013-2023
GMC SAVANA
WITH NAV

RETAINS STEERING WHEEL CONTROLS, ONSTAR, BLUETOOTH, XM SATELLITE AND MORE!



PRODUITS REQUIS
Interface de remplacement d'autoradio: iDatalink Maestro RR ou RR2
Câblage : iDatalink Maestro HRR-GM2

PROGRAMMED FIRMWARE
ADS-RR(SR)-GM05-DS

ADDITIONAL RESOURCES
Maestro RR2 Programmable Outputs Guide

OPTIONAL ACCESSORIES
K40 ELECTRONICS
ESCORT
ACC-SP1

Click here for:
Radar Installation Guides

HEAD UNIT ADAPTER:
ACC-HU-PIO1, SON1, KEN1, KEN2, ALP1

NOTICE: Automotive Data Solutions Inc. (ADS) recommends having this installation performed by a certified technician. Logos and trademarks used here in are the properties of their respective owners.

WELCOME

Congratulations on the purchase of your iDatalink Maestro RR Radio replacement solution. You are now a few simple steps away from enjoying your new car radio with enhanced features.

Before starting your installation, please ensure that your iDatalink Maestro module is programmed with the correct firmware for your vehicle and that you carefully review the install guide.

Please note that Maestro RR will only retain functionalities that were originally available in the vehicle.

TABLE OF CONTENTS

Before Installing	3
Installation Instructions	4
Wiring Diagram with an Amplifier	5
Wiring Diagram without an Amplifier	6
Radio Wire Reference Chart	7
Module Diagnostics	8
Troubleshooting Table	9

NEED HELP?

1 866 427-2999

maestro.support@idatalink.com

BEFORE INSTALLING P1 /1

STEP 1

DETERMINE IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

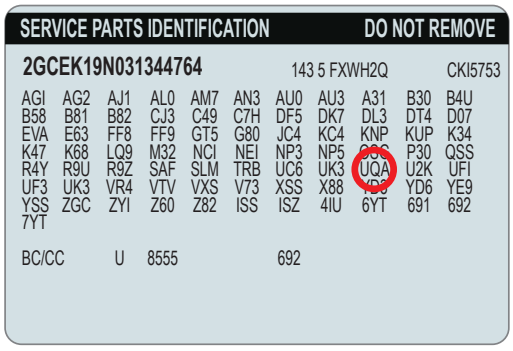
METHOD 1: Look for the following logos in the vehicle. They are usually on the speaker covers or on the radio unit. If you find any of the following logos Bose, Pioneer or Monsoon, you have a factory amplifier.

BOSE

Pioneer

MONSOON

METHOD 2: Look for the following sticker in the glove box. This sticker will indicate all the Regular Production Option (RPO) codes. If you find any of the following codes UQA, UQS or UQG, you have a factory amplifier.


SERVICE PARTS IDENTIFICATION DO NOT REMOVE

2GCEK19N031344764 143 5 FXWH2Q CKI5753

AGI	AG2	AJ1	AL0	AM7	AN3	AU0	AU3	A31	B30	B4U
B58	B81	B82	CJ3	C49	C7H	DF5	DK7	DL3	DT4	D07
EVA	E63	FF8	FF9	GT5	G80	JC4	KC4	KNP	KUP	K34
K47	K68	LQ9	M32	NCI	NEI	NP3	NP5	QQS	P30	QSS
R4Y	R9U	R9Z	SAF	SLM	TRB	UC6	UK3	UQA	U2K	UFI
UF3	UK3	VR4	VTV	VXS	V73	XSS	X88	VD6	YD6	YE9
YSS	ZGC	ZYI	Z60	Z82	ISS	ISZ	4IU	6YT	691	692
7YT										

BC/CC U 8555 692

STEP 2

IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **with an amplifier** and read the "**AMPLIFIER ONLY**" note to determine if you should use rca's or level matching circuits.

IF YOUR VEHICLE NOT IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **without an amplifier**.

Automotive Data Solutions Inc. © 2023

INSTALLATION INSTRUCTIONS P1/1

STEP 1

Remove the factory radio

If using head unit adapter (sold separately), connect HRR-GM2 harness to adapter and skip to step 2.

- Unbox the aftermarket radio and locate its main harness.
- Cut and remove the black 20 pin connector from the HRR-GM2 T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the HRR-GM2 T-harness and match the wire functions.

  Note: only connect purple/white wire to radio reverse input or module damage will occur.

STEP 2

- Connect the YELLOW 2 pin connector of the backup camera cable to the YELLOW connector (CAM 1) of the backup camera adapter. Connect GRAY connector of adapter to the vehicle backup camera harness.

STEP 3

- Connect the factory harness to the HRR-GM2 T-harness.
- Ensure that the RED 2 pin plugs are connected.
- Without AMP: Ensure that the WHITE 8 pin plugs are connected.
- With AMP: Connect the HRR-GM2 8 pin WHITE connectors to the AMP adapter.

STEP 4

- Connect HRR-GM2 2-pin black connector to black connector of OBDII extension harness.
- Plug the OBDII connector into the OBDII of the vehicle, under driver dash.

STEP 5

- Plug the harnesses into the aftermarket radio.
- Connect the backup camera RCA cable into the aftermarket radio.
- Plug the Data cable to the data port of the aftermarket radio.
- Insert the Audio cable into the iDatalink 3.5 mm audio jack of the aftermarket radio (if there is no iDatalink audio input, connect to AUX).

Note: On Pioneer radio, ensure that there is nothing plugged into the W/R port.

STEP 6

- Connect the ACC-SP1 speaker to Maestro module.
- Connect all the harnesses to the Maestro RR module then test your installation.

OnStar or warning chime adjust (Audio in vehicle speakers):

- Turn ignition (IGN) on
- Open driver's door

Select to adjust:

OnStar level - Press OnStar button.

Warning chime level - turn headlight switch to parking light position (not AUTO).

- Adjust volume using steering wheel volume up/down OR dimmer switch. If using dimmer switch, ensure headlight switch is NOT set to AUTO.

OnStar, turn signal, or warning chime adjust (Audio in GM5+ speaker):

- Find "OEM setup" menu in radio settings.

Under "Vehicle Features", select to adjust:

Onstar Volume - Level from 0-9

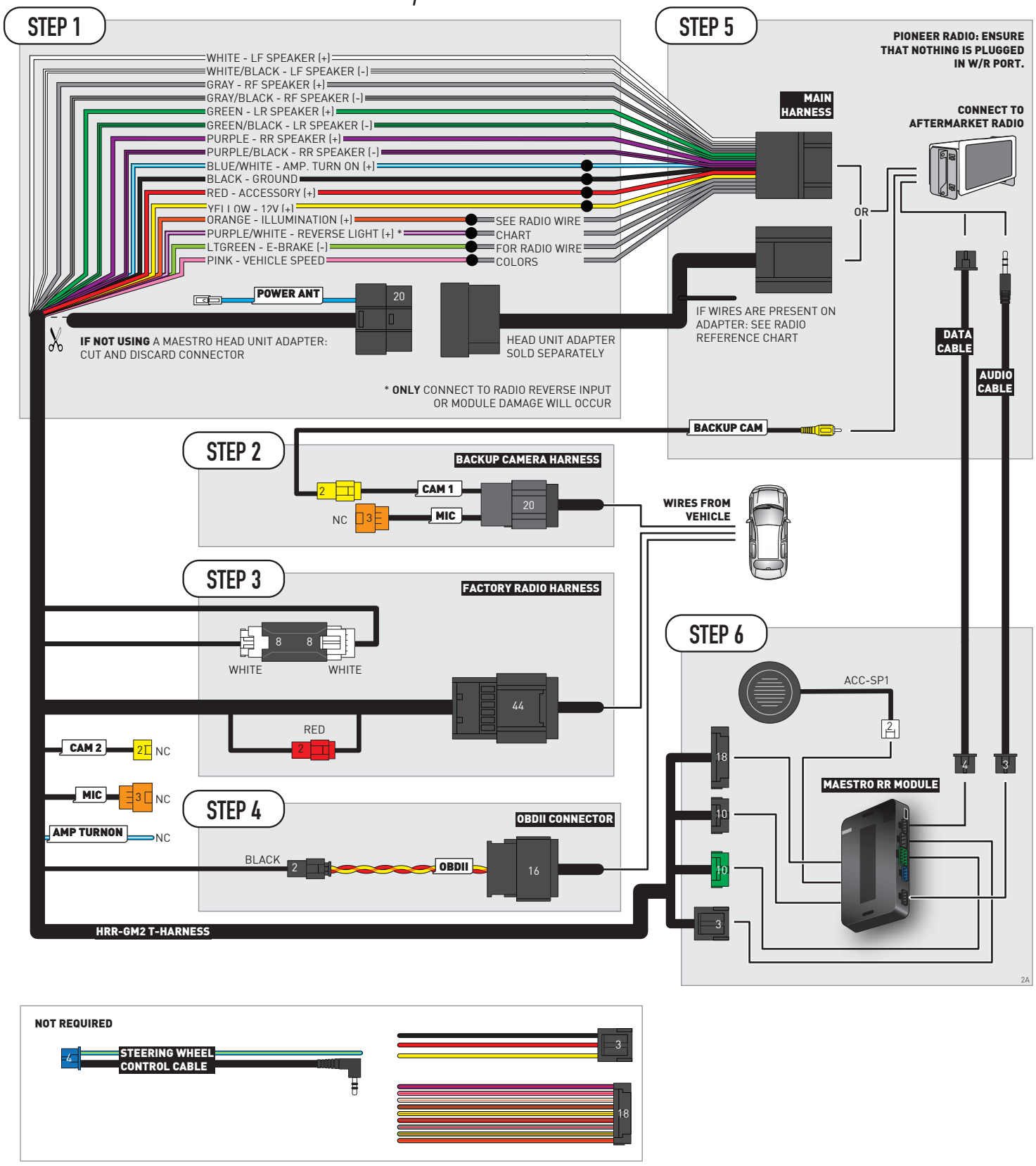
Chime Volume - Level from 0-9

Turn Signal Volume - 1-10

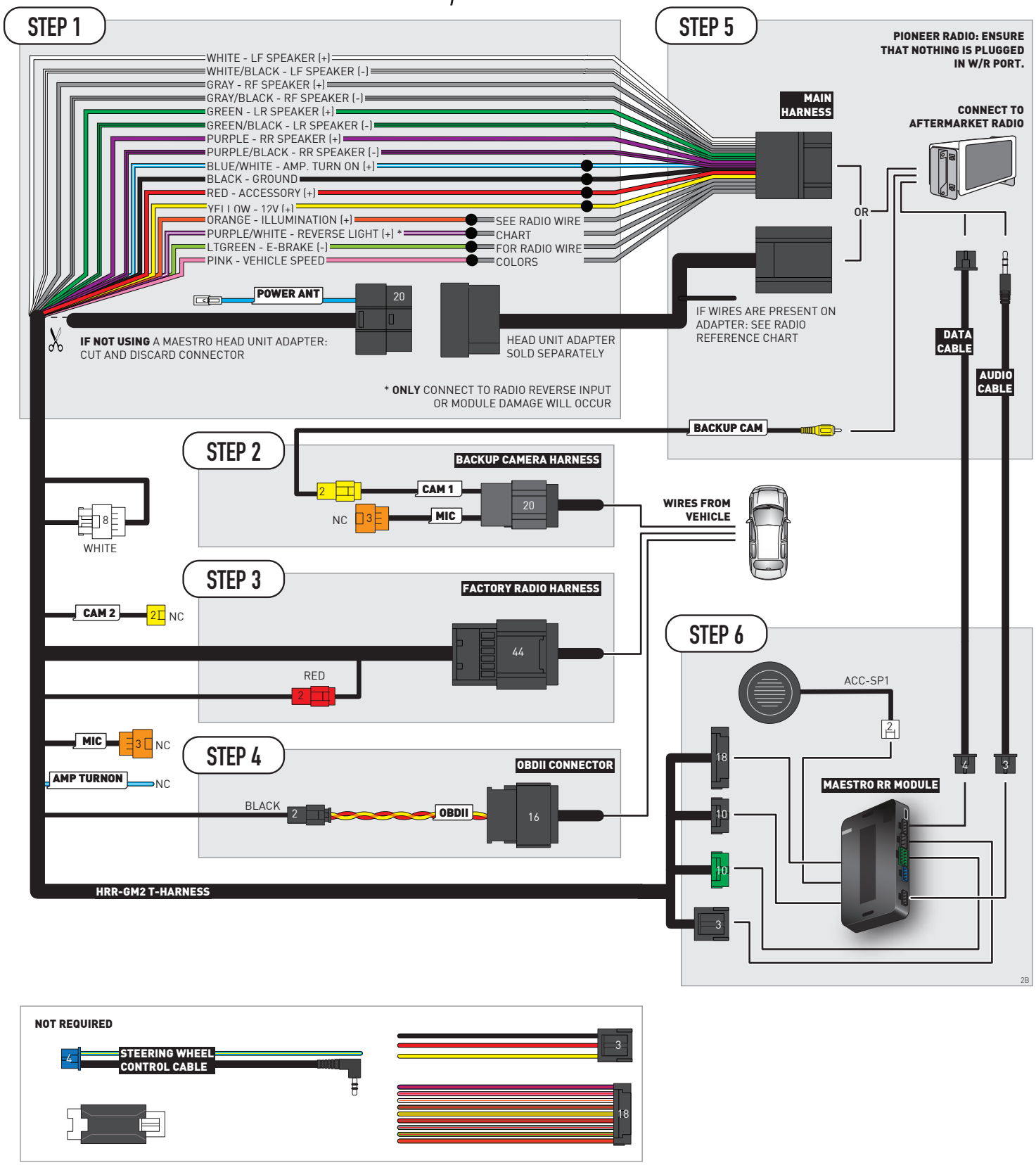
Turn Signal Reminder - Select "Click in speaker" for normal signal sounds. Select "Chime if left on" to only alert if turn signal is left on.

Automotive Data Solutions Inc. © 2023

WIRING DIAGRAM *with an Amplifier*



WIRING DIAGRAM *without an Amplifier*



RADIO WIRE REFERENCE CHART

GM5+ (GM2) T-harness Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/ JVC cable	Wire Color on Pioneer cable	Wire Color on Sony cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light*	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A
Power Antenna	(+)	Blue	Blue	Blue	Blue/White	Blue or Blue/White

Head unit adapter wiring (optional accessory, sold separately)

ACC-HU-ALP1 Wire Description	Polarity	Wire Color on Adapter	Alpine Radio
VSS (vehicle speed sensor)	(DATA)	Green/White	Green/White

ACC-HU-KEN1 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
CAM	(+)	Green/Red	Refer to camera/radio manual
CAM	(-)	Green/White	Refer to camera/radio manual
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

ACC-HU-KEN2 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
E-Brake	(-)	LtGreen	LtGreen
Reverse Light*	(+)	Purple/White	Purple/White
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

* Reverse light wire: Only connect to radio or module damage will occur.

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 (RR2) Bluetooth activity	LED STATUS	DIAGNOSTIC
● or ●		RED or GREEN flashing	LED flashes 1 or more times, either red or green, **when a steering wheel button is pressed** : normal operation.
●		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do NOT use DEMO MODE.
●		2 RED flashes	Problem detected. Consult troubleshooting table.
●		1 GREEN flash	After radio boots up : Normal operation.
	●	3 GREEN flashes	Bluetooth is activated. Turns off after one minute: Normal operation.
●	●	OFF	Normal operation (inactive).

VIDEO HELP		Installation, product information, vehicle specific videos.
VERIFY FLASH		Last flash information, steering control configuration, vehicle information.
WEBLINK		Software to program module.

TROUBLESHOOTING TABLE P1 /2

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure OBDII connector is securely attached to the OBD2 connector of the vehicle. If you hardwired connections at the OBDII, check connections at the OBDII connector. Make sure the **RED/BROWN** wire is on **PIN 6** and the **YELLOW/BROWN** wire is connected to **PIN 14** of the OBDII connector. Do not use T-Taps. Soldering or military splicing methods are recommended. If anything else is connected to the OBD2 or CAN wires of vehicle (programmer, throttle controller, insurance tracker, etc.) try unplugging it to see if gauges work. If gauges work without it installed, call tech support for options. Reset the RR.
No sound from Onstar or OEM Satellite (if equipped).	Make sure the audio cable is installed and inserted into the correct location on the radio.
Trying to use the OEM Satellite and get "Check Tuner" message.	In order to access the OEM Satellite you must go into the radio sources and look for the one that says "Satellite Radio". The SiriusXM source is not the same as the OEM Satellite source.
When listening to the OEM Satellite radio, the turn signals don't make the clicking noise, but they do in any other source.	This is normal. The audio for OEM Satellite radio and the turn signal clicks both come from the audio cable. The Maestro unit cannot process 2 different audio signals at the same time, so the OEM Satellite is priority.
There is no turn signal clicking noise.	Find OEM Setup in the radio settings. Under Vehicle Feature settings, look for Turn Signal Reminder. If it is set to "Chime If Left On", it will not click. If you wish to hear turn signal clicks, this setting must be set to "Click In Speaker".
No sound from the Bose system (If equipped).	Make sure the amplifier turn on wire (Blue/White) of the T-Harness is connected to the radio's amplifier turn on wire. When flashing the Maestro make sure that the Amplifier in OEM Systems to Retain is selected. Make sure the RCA's are connected to the radio or the speaker wires are connected depending on your installation method.
Vehicle had the Bose system and it was bypassed, now there are no chimes.	Remove the Maestro and reflash it, making sure you uncheck the Amplifier option in the OEM Systems section of the flash.
Audio is very quiet or very loud.	Non amplified vehicles: ensure the AMP adapter is NOT plugged in between the white 8 pin plugs. Amplified vehicles: ensure the AMP adapter IS plugged in between the white 8 pin plugs.
(Vehicle using a HRR-GM2 harness only) Backup camera is not working and displays a black screen on radio when in reverse.	Ensure the 2-pin yellow plug is connected as shown on the diagram.
The light on the Maestro is flashing **RED ONCE**.	There is no firmware on the module; flash the RR module.
The radio is **ON** and the light on the Maestro is blinking **RED TWICE**.	Ensure the 4-pin data cable is connected between the radio and the RR, and that it is plugged into the black port on the Maestro RR. The red and blue ports on the RR should be empty. Make sure the correct radio model and serial number were entered during the flash. Verify the radio's serial number entered during the flash matches what is listed on the radio screen. This can be found in the settings of the radio, listed as Device Id, Device Number, or Serial Number.
The light on the Maestro is blinking **RED TWICE** but radio **is NOT** turning on.	If installing a modular radio and it is not turning on, ensure the screen is secured and any trim pieces on the radio have been installed fully. Not installing these fully will prevent radio from powering up and show a 2x red error as well. Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.

TROUBLESHOOTING TABLE P2 /2

MAESTRO RR RESET PROCEDURE:

Turn the key to the OFF position, then disconnect all connectors from the module.
Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).
Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds to show the reset was successful.

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

IMPORTANT: To ensure proper operation, the aftermarket radio needs to have the latest firmware from the manufacturer. Please visit the radio manufacturer's website and look for any updates pertaining to your radio.

INSTALL GUIDE

2008-2023
GMC SAVANA
WITHOUT NAV

RETAINS STEERING WHEEL CONTROLS, ONSTAR, BLUETOOTH, XM SATELLITE AND MORE!



PRODUCTS REQUIRED

iDatalink Maestro RR or RR2 Radio Replacement Interface
iDatalink Maestro HRR-GM5+ Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-GM05-DS

ADDITIONAL RESOURCES

Maestro RR2 Programmable Outputs Guide

OPTIONAL ACCESSORIES

K40 ELECTRONICS
ESCORT

Click here for:
Radar Installation Guides

ACC-SP1

HEAD UNIT ADAPTER:
ACC-HU-PIO1, SON1, KEN1, KEN2, ALP1

NOTICE: Automotive Data Solutions Inc. (ADS) recommends having this installation performed by a certified technician. Logos and trademarks used here in are the properties of their respective owners.

WELCOME

Congratulations on the purchase of your iDatalink Maestro RR Radio replacement solution. You are now a few simple steps away from enjoying your new car radio with enhanced features.

Before starting your installation, please ensure that your iDatalink Maestro module is programmed with the correct firmware for your vehicle and that you carefully review the install guide.

Please note that Maestro RR will only retain functionalities that were originally available in the vehicle.

TABLE OF CONTENTS

Before Installing	3
Installation Instructions	4
Wiring Diagram with an Amplifier	5
Wiring Diagram without an Amplifier	6
Radio Wire Reference Chart	7
Module Diagnostics	8
Troubleshooting Table	9

NEED HELP?

1 866 427-2999

maestro.support@idatalink.com

BEFORE INSTALLING P1 /1

STEP 1

DETERMINE IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

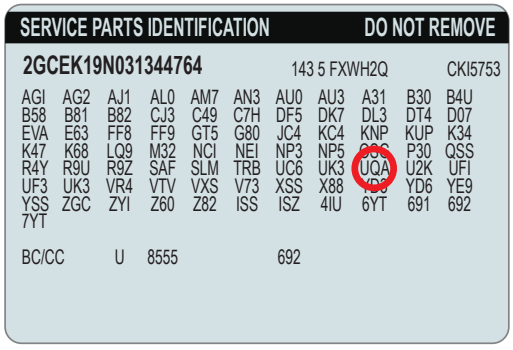
METHOD 1: Look for the following logos in the vehicle. They are usually on the speaker covers or on the radio unit. If you find any of the following logos Bose, Pioneer or Monsoon, you have a factory amplifier.

BOSE

Pioneer

MONSOON

METHOD 2: Look for the following sticker in the glove box. This sticker will indicate all the Regular Production Option (RPO) codes. If you find any of the following codes UQA, UQS or UQG, you have a factory amplifier.


SERVICE PARTS IDENTIFICATION DO NOT REMOVE

2GCEK19N031344764 143 5 FXWH2Q CKI5753

AGI	AG2	AJ1	AL0	AM7	AN3	AU0	AU3	A31	B30	B4U
B58	B81	B82	CJ3	C49	C7H	DF5	DK7	DL3	DT4	D07
EVA	E63	FF8	FF9	GT5	G80	JC4	KC4	KNP	KUP	K34
K47	K68	LQ9	M32	NCI	NEI	NP3	NP5	QQS	P30	QSS
R4Y	R9U	R9Z	SAF	SLM	TRB	UC6	UK3	UQA	U2K	UFI
UF3	UK3	VR4	VTV	VXS	V73	XSS	X88	YD5	YD6	YE9
YSS	ZGC	ZYI	Z60	Z82	ISS	ISZ	4IU	6YT	691	692
7YT										

BC/CC U 8555 692

STEP 2

IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **with an amplifier** and read the "**AMPLIFIER ONLY**" note to determine if you should use rca's or level matching circuits.

IF YOUR VEHICLE NOT IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **without an amplifier**.

Automotive Data Solutions Inc. © 2023

INSTALLATION INSTRUCTIONS P1/1

STEP 1

Remove the factory radio

If using head unit adapter (sold separately), connect HRR-GM5+ harness to adapter and skip to step 2.

- Unbox the aftermarket radio and locate its main harness.
- Cut and remove the black 20 pin connector from the HRR-GM5+ T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the HRR-GM5+ T-harness and match the wire functions.

  Note: only connect purple/white wire to radio reverse input or module damage will occur.

STEP 2

- Connect the factory harness to the HRR-GM5+ T-harness.
- Without AMP: Ensure that the WHITE 8 pin plugs are connected.
- With AMP: Connect the HRR-GM5+ 8 pin WHITE connectors to the AMP adapter.

STEP 3

- Connect HRR-GM5+ 2-pin black connector to black connector of OBDII extension harness.
- Plug the OBDII connector into the OBDII of the vehicle, under driver dash.

STEP 4

- Plug the harnesses into the aftermarket radio.
- Connect the backup camera RCA cable into the aftermarket radio.
- With AMP: Connect the Center and SUB RCA cables.
- Plug the Data cable to the data port of the aftermarket radio.
- Insert the Audio cable into the iDatalink 3.5 mm audio jack of the aftermarket radio (if there is no iDatalink audio input, connect to AUX).

  Note: On Pioneer radio, ensure that there is nothing plugged into the W/R port.

STEP 5

- Connect the ACC-SP1 speaker to Maestro module.
- Connect all the harnesses to the Maestro RR module then test your installation.

OnStar or warning chime adjust (Audio in vehicle speakers):

- Turn ignition (IGN) on
- Open driver's door

Select to adjust:

OnStar level - Press OnStar button.

Warning chime level - turn headlight switch to parking light position (not AUTO).

- Adjust volume using steering wheel volume up/down OR dimmer switch. If using dimmer switch, ensure headlight switch is NOT set to AUTO.

OnStar, turn signal, or warning chime adjust (Audio in GM5+ speaker):

- Find "OEM setup" menu in radio settings.

Under "Vehicle Features", select to adjust:

Onstar Volume - Level from 0-9

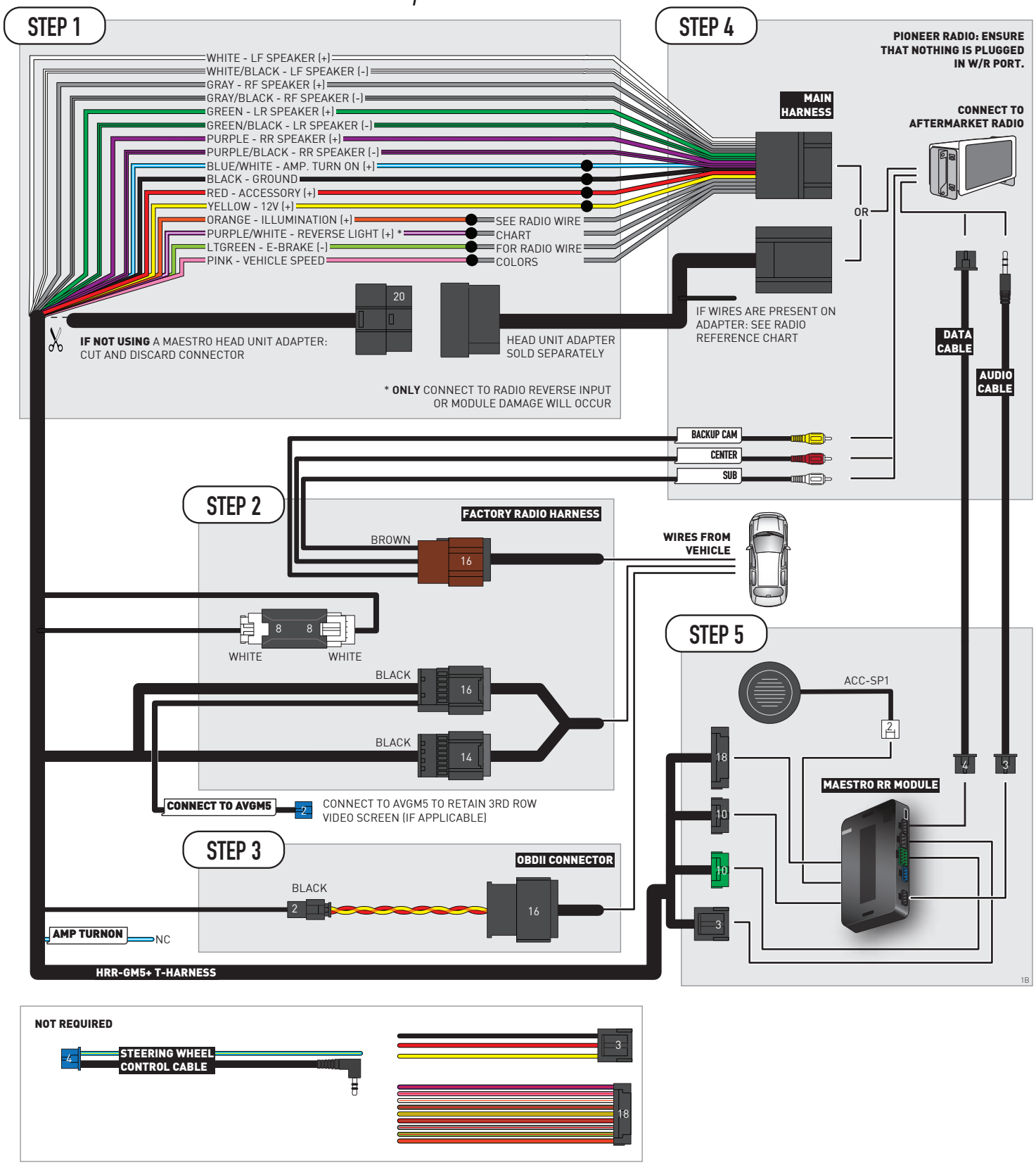
Chime Volume - Level from 0-9

Turn Signal Volume - 1-10

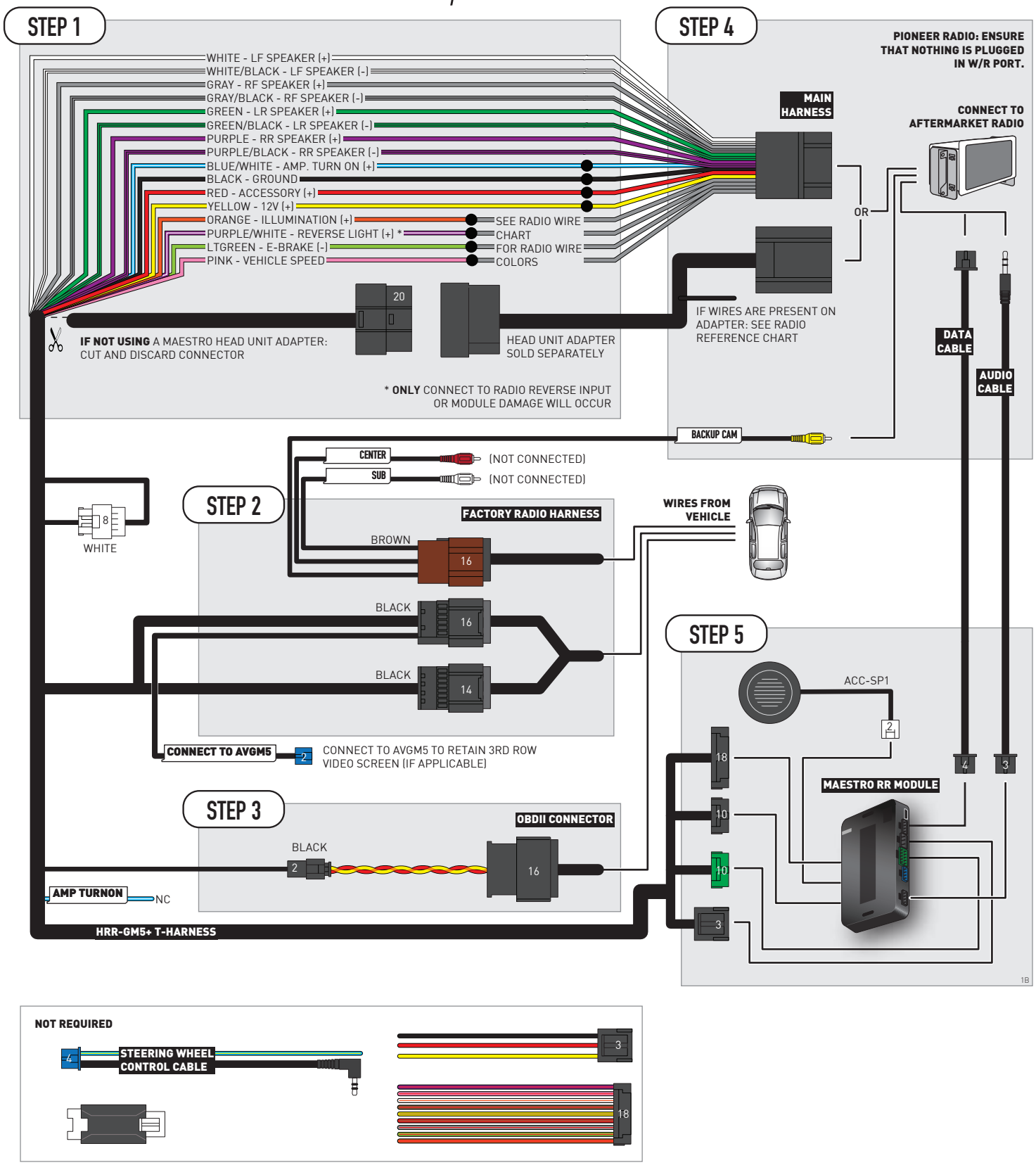
Turn Signal Reminder - Select "Click in speaker" for normal signal sounds. Select "Chime if left on" to only alert if turn signal is left on.

Automotive Data Solutions Inc. © 2023

WIRING DIAGRAM *with an Amplifier*



WIRING DIAGRAM *without an Amplifier*



RADIO WIRE REFERENCE CHART

GM5+ (GM2) T-harness Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/ JVC cable	Wire Color on Pioneer cable	Wire Color on Sony cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light*	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A
Power Antenna	(+)	Blue	Blue	Blue	Blue/White	Blue or Blue/White

Head unit adapter wiring (optional accessory, sold separately)

ACC-HU-ALP1 Wire Description	Polarity	Wire Color on Adapter	Alpine Radio
VSS (vehicle speed sensor)	(DATA)	Green/White	Green/White

ACC-HU-KEN1 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
CAM	(+)	Green/Red	Refer to camera/radio manual
CAM	(-)	Green/White	Refer to camera/radio manual
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

ACC-HU-KEN2 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
E-Brake	(-)	LtGreen	LtGreen
Reverse Light*	(+)	Purple/White	Purple/White
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

* Reverse light wire: Only connect to radio or module damage will occur.

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 (RR2) Bluetooth activity	LED STATUS	DIAGNOSTIC
● or ●		RED or GREEN flashing	LED flashes 1 or more times, either red or green, **when a steering wheel button is pressed** : normal operation.
●		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do NOT use DEMO MODE.
●		2 RED flashes	Problem detected. Consult troubleshooting table.
●		1 GREEN flash	After radio boots up : Normal operation.
	●	3 GREEN flashes	Bluetooth is activated. Turns off after one minute: Normal operation.
●	●	OFF	Normal operation (inactive).

VIDEO HELP		Installation, product information, vehicle specific videos.
VERIFY FLASH		Last flash information, steering control configuration, vehicle information.
WEBLINK		Software to program module.

TROUBLESHOOTING TABLE P1 /2

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure OBDII connector is securely attached to the OBD2 connector of the vehicle. If you hardwired connections at the OBDII, check connections at the OBDII connector. Make sure the **RED/BROWN** wire is on **PIN 6** and the **YELLOW/BROWN** wire is connected to **PIN 14** of the OBDII connector. Do not use T-Taps. Soldering or military splicing methods are recommended. If anything else is connected to the OBD2 or CAN wires of vehicle (programmer, throttle controller, insurance tracker, etc.) try unplugging it to see if gauges work. If gauges work without it installed, call tech support for options. Reset the RR.
No sound from Onstar or OEM Satellite (if equipped).	Make sure the audio cable is installed and inserted into the correct location on the radio.
Trying to use the OEM Satellite and get "Check Tuner" message.	In order to access the OEM Satellite you must go into the radio sources and look for the one that says "Satellite Radio". The SiriusXM source is not the same as the OEM Satellite source.
When listening to the OEM Satellite radio, the turn signals don't make the clicking noise, but they do in any other source.	This is normal. The audio for OEM Satellite radio and the turn signal clicks both come from the audio cable. The Maestro unit cannot process 2 different audio signals at the same time, so the OEM Satellite is priority.
There is no turn signal clicking noise.	Find OEM Setup in the radio settings. Under Vehicle Feature settings, look for Turn Signal Reminder. If it is set to "Chime If Left On", it will not click. If you wish to hear turn signal clicks, this setting must be set to "Click In Speaker".
No sound from the Bose system (If equipped).	Make sure the amplifier turn on wire (Blue/White) of the T-Harness is connected to the radio's amplifier turn on wire. When flashing the Maestro make sure that the Amplifier in OEM Systems to Retain is selected. Make sure the RCA's are connected to the radio or the speaker wires are connected depending on your installation method.
Vehicle had the Bose system and it was bypassed, now there are no chimes.	Remove the Maestro and reflash it, making sure you uncheck the Amplifier option in the OEM Systems section of the flash.
Audio is very quiet or very loud.	Non amplified vehicles: ensure the AMP adapter is NOT plugged in between the white 8 pin plugs. Amplified vehicles: ensure the AMP adapter IS plugged in between the white 8 pin plugs.
(Vehicle using a HRR-GM2 harness only) Backup camera is not working and displays a black screen on radio when in reverse.	Ensure the 2-pin yellow plug is connected as shown on the diagram.
The light on the Maestro is flashing **RED ONCE**.	There is no firmware on the module; flash the RR module.
The radio is **ON** and the light on the Maestro is blinking **RED TWICE**.	Ensure the 4-pin data cable is connected between the radio and the RR, and that it is plugged into the black port on the Maestro RR. The red and blue ports on the RR should be empty. Make sure the correct radio model and serial number were entered during the flash. Verify the radio's serial number entered during the flash matches what is listed on the radio screen. This can be found in the settings of the radio, listed as Device Id, Device Number, or Serial Number.
The light on the Maestro is blinking **RED TWICE** but radio **is NOT** turning on.	If installing a modular radio and it is not turning on, ensure the screen is secured and any trim pieces on the radio have been installed fully. Not installing these fully will prevent radio from powering up and show a 2x red error as well. Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.

TROUBLESHOOTING TABLE P2 /2

MAESTRO RR RESET PROCEDURE:

Turn the key to the OFF position, then disconnect all connectors from the module.
Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).
Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds to show the reset was successful.

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

IMPORTANT: To ensure proper operation, the aftermarket radio needs to have the latest firmware from the manufacturer. Please visit the radio manufacturer's website and look for any updates pertaining to your radio.

INSTALL GUIDE

2007-2011
GMC SIERRA 1500

RETAINS STEERING WHEEL CONTROLS, ONSTAR, BLUETOOTH, XM SATELLITE AND MORE!



PRODUCTS REQUIRED

iDatalink Maestro RR or RR2 Radio Replacement Interface
iDatalink Maestro HRR-GM5+ Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-GM05-DS

ADDITIONAL RESOURCES

Maestro RR2 Programmable Outputs Guide

OPTIONAL ACCESSORIES

K40 ELECTRONICS
ESCORT

Click here for:
Radar Installation Guides

ACC-SP1

HEAD UNIT ADAPTER:
ACC-HU-PI01, SON1, KEN1, KEN2, ALP1

NOTICE: Automotive Data Solutions Inc. (ADS) recommends having this installation performed by a certified technician. Logos and trademarks used here in are the properties of their respective owners.

WELCOME

Congratulations on the purchase of your iDatalink Maestro RR Radio replacement solution. You are now a few simple steps away from enjoying your new car radio with enhanced features.

Before starting your installation, please ensure that your iDatalink Maestro module is programmed with the correct firmware for your vehicle and that you carefully review the install guide.

Please note that Maestro RR will only retain functionalities that were originally available in the vehicle.

TABLE OF CONTENTS

Before Installing	3
Installation Instructions	4
Wiring Diagram with an Amplifier	5
Wiring Diagram without an Amplifier	6
Radio Wire Reference Chart	7
Module Diagnostics	8
Troubleshooting Table	9

NEED HELP?

1 866 427-2999

maestro.support@idatalink.com

BEFORE INSTALLING P1 /1

STEP 1

DETERMINE IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

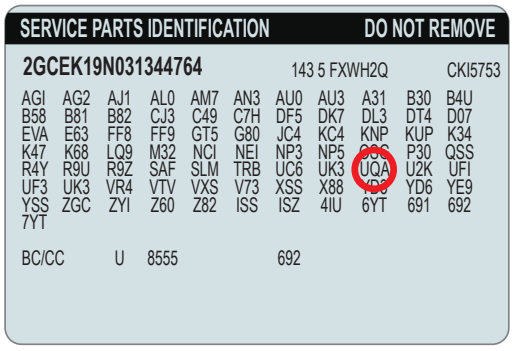
METHOD 1: Look for the following logos in the vehicle. They are usually on the speaker covers or on the radio unit. If you find any of the following logos Bose, Pioneer or Monsoon, you have a factory amplifier.

BOSE

Pioneer

MONSOON

METHOD 2: Look for the following sticker in the glove box. This sticker will indicate all the Regular Production Option (RPO) codes. If you find any of the following codes UQA, UQS or UQG, you have a factory amplifier.



STEP 2

IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **with an amplifier** and read the "**AMPLIFIER ONLY**" note to determine if you should use rca's or level matching circuits.

IF YOUR VEHICLE NOT IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **without an amplifier**.

Automotive Data Solutions Inc. © 2023

INSTALLATION INSTRUCTIONS P1/1

STEP 1

Remove the factory radio

If using head unit adapter (sold separately), connect HRR-GM5+ harness to adapter and skip to step 2.

- Unbox the aftermarket radio and locate its main harness.
- Cut and remove the black 20 pin connector from the HRR-GM5+ T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the HRR-GM5+ T-harness and match the wire functions.

  Note: only connect purple/white wire to radio reverse input or module damage will occur.

STEP 2

- Connect the factory harness to the HRR-GM5+ T-harness.
- Without AMP: Ensure that the WHITE 8 pin plugs are connected.
- With AMP: Connect the HRR-GM5+ 8 pin WHITE connectors to the AMP adapter.

STEP 3

- Connect HRR-GM5+ 2-pin black connector to black connector of OBDII extension harness.
- Plug the OBDII connector into the OBDII of the vehicle, under driver dash.

STEP 4

- Plug the harnesses into the aftermarket radio.
- Connect the backup camera RCA cable into the aftermarket radio.
- With AMP: Connect the Center and SUB RCA cables.
- Plug the Data cable to the data port of the aftermarket radio.
- Insert the Audio cable into the iDatalink 3.5 mm audio jack of the aftermarket radio (if there is no iDatalink audio input, connect to AUX).

  Note: On Pioneer radio, ensure that there is nothing plugged into the W/R port.

STEP 5

- Connect the ACC-SP1 speaker to Maestro module.
- Connect all the harnesses to the Maestro RR module then test your installation.

OnStar or warning chime adjust (Audio in vehicle speakers):

- Turn ignition (IGN) on
- Open driver's door

Select to adjust:

OnStar level - Press OnStar button.

Warning chime level - turn headlight switch to parking light position (not AUTO).

- Adjust volume using steering wheel volume up/down OR dimmer switch. If using dimmer switch, ensure headlight switch is NOT set to AUTO.

OnStar, turn signal, or warning chime adjust (Audio in GM5+ speaker):

- Find "OEM setup" menu in radio settings.

Under "Vehicle Features", select to adjust:

Onstar Volume - Level from 0-9

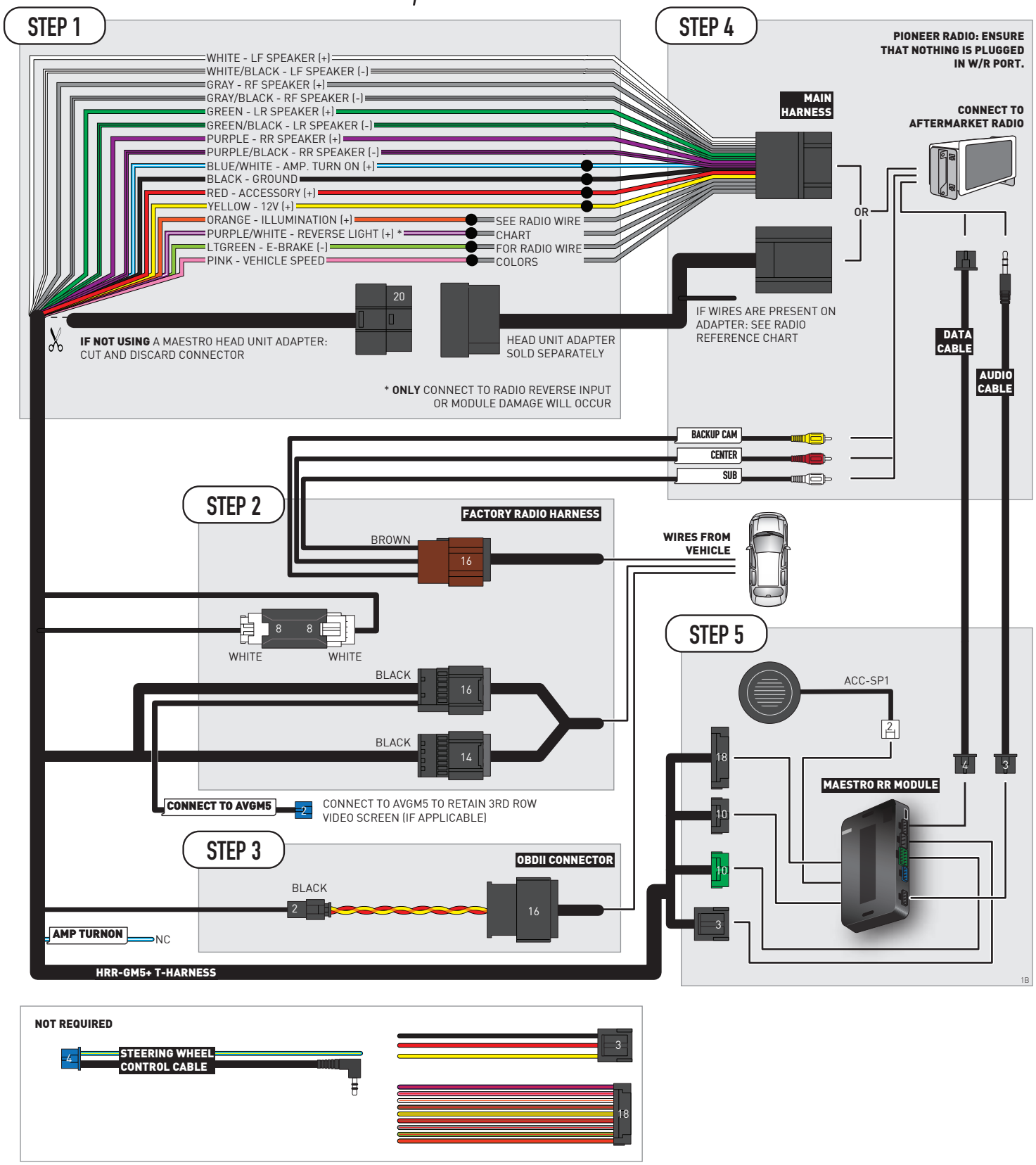
Chime Volume - Level from 0-9

Turn Signal Volume - 1-10

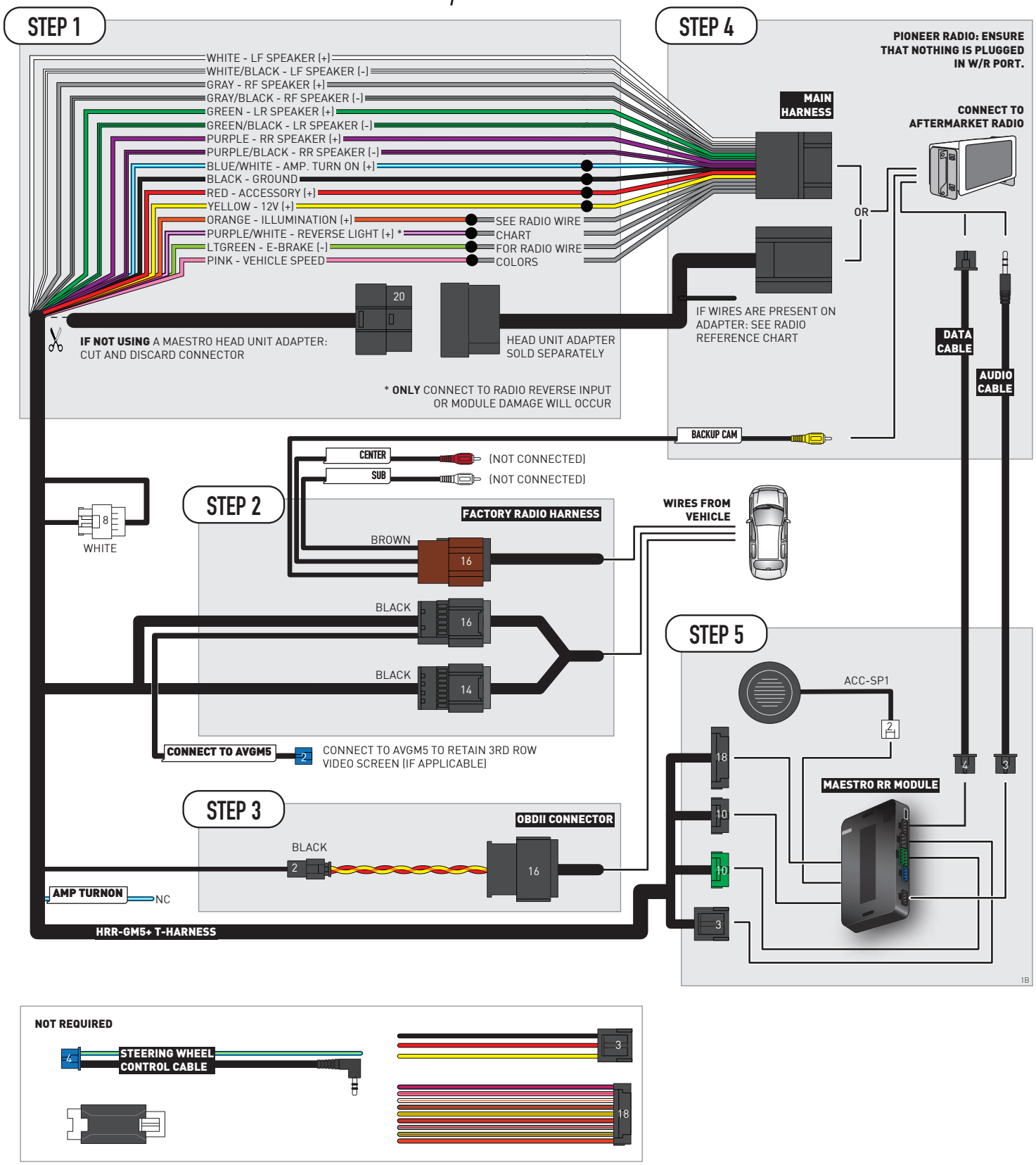
Turn Signal Reminder - Select "Click in speaker" for normal signal sounds. Select "Chime if left on" to only alert if turn signal is left on.

Automotive Data Solutions Inc. © 2023

WIRING DIAGRAM *with an Amplifier*



WIRING DIAGRAM *without an Amplifier*



RADIO WIRE REFERENCE CHART

GM5+ (GM2) T-harness Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/ JVC cable	Wire Color on Pioneer cable	Wire Color on Sony cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light*	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A
Power Antenna	(+)	Blue	Blue	Blue	Blue/White	Blue or Blue/White

Head unit adapter wiring (optional accessory, sold separately)

ACC-HU-ALP1 Wire Description	Polarity	Wire Color on Adapter	Alpine Radio
VSS (vehicle speed sensor)	(DATA)	Green/White	Green/White

ACC-HU-KEN1 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
CAM	(+)	Green/Red	Refer to camera/radio manual
CAM	(-)	Green/White	Refer to camera/radio manual
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

ACC-HU-KEN2 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
E-Brake	(-)	LtGreen	LtGreen
Reverse Light*	(+)	Purple/White	Purple/White
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

* Reverse light wire: Only connect to radio or module damage will occur.

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 (RR2) Bluetooth activity	LED STATUS	DIAGNOSTIC
● or ●		RED or GREEN flashing	LED flashes 1 or more times, either red or green, **when a steering wheel button is pressed** : normal operation.
●		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do NOT use DEMO MODE.
●		2 RED flashes	Problem detected. Consult troubleshooting table.
●		1 GREEN flash	After radio boots up : Normal operation.
	●	3 GREEN flashes	Bluetooth is activated. Turns off after one minute: Normal operation.
●	●	OFF	Normal operation (inactive).

VIDEO HELP		Installation, product information, vehicle specific videos.
VERIFY FLASH		Last flash information, steering control configuration, vehicle information.
WEBLINK		Software to program module.

TROUBLESHOOTING TABLE P1 /2

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure OBDII connector is securely attached to the OBD2 connector of the vehicle. If you hardwired connections at the OBDII, check connections at the OBDII connector. Make sure the **RED/BROWN** wire is on **PIN 6** and the **YELLOW/BROWN** wire is connected to **PIN 14** of the OBDII connector. Do not use T-Taps. Soldering or military splicing methods are recommended. If anything else is connected to the OBD2 or CAN wires of vehicle (programmer, throttle controller, insurance tracker, etc.) try unplugging it to see if gauges work. If gauges work without it installed, call tech support for options. Reset the RR.
No sound from Onstar or OEM Satellite (if equipped).	Make sure the audio cable is installed and inserted into the correct location on the radio.
Trying to use the OEM Satellite and get "Check Tuner" message.	In order to access the OEM Satellite you must go into the radio sources and look for the one that says "Satellite Radio". The SiriusXM source is not the same as the OEM Satellite source.
When listening to the OEM Satellite radio, the turn signals don't make the clicking noise, but they do in any other source.	This is normal. The audio for OEM Satellite radio and the turn signal clicks both come from the audio cable. The Maestro unit cannot process 2 different audio signals at the same time, so the OEM Satellite is priority.
There is no turn signal clicking noise.	Find OEM Setup in the radio settings. Under Vehicle Feature settings, look for Turn Signal Reminder. If it is set to "Chime If Left On", it will not click. If you wish to hear turn signal clicks, this setting must be set to "Click In Speaker".
No sound from the Bose system (If equipped).	Make sure the amplifier turn on wire (Blue/White) of the T-Harness is connected to the radio's amplifier turn on wire. When flashing the Maestro make sure that the Amplifier in OEM Systems to Retain is selected. Make sure the RCA's are connected to the radio or the speaker wires are connected depending on your installation method.
Vehicle had the Bose system and it was bypassed, now there are no chimes.	Remove the Maestro and reflash it, making sure you uncheck the Amplifier option in the OEM Systems section of the flash.
Audio is very quiet or very loud.	Non amplified vehicles: ensure the AMP adapter is NOT plugged in between the white 8 pin plugs. Amplified vehicles: ensure the AMP adapter IS plugged in between the white 8 pin plugs.
(Vehicle using a HRR-GM2 harness only) Backup camera is not working and displays a black screen on radio when in reverse.	Ensure the 2-pin yellow plug is connected as shown on the diagram.
The light on the Maestro is flashing **RED ONCE**.	There is no firmware on the module; flash the RR module.
The radio is **ON** and the light on the Maestro is blinking **RED TWICE**.	Ensure the 4-pin data cable is connected between the radio and the RR, and that it is plugged into the black port on the Maestro RR. The red and blue ports on the RR should be empty. Make sure the correct radio model and serial number were entered during the flash. Verify the radio's serial number entered during the flash matches what is listed on the radio screen. This can be found in the settings of the radio, listed as Device Id, Device Number, or Serial Number.
The light on the Maestro is blinking **RED TWICE** but radio **is NOT** turning on.	If installing a modular radio and it is not turning on, ensure the screen is secured and any trim pieces on the radio have been installed fully. Not installing these fully will prevent radio from powering up and show a 2x red error as well. Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.

TROUBLESHOOTING TABLE P2 /2

MAESTRO RR RESET PROCEDURE:

Turn the key to the OFF position, then disconnect all connectors from the module.
Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).
Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds to show the reset was successful.

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

IMPORTANT: To ensure proper operation, the aftermarket radio needs to have the latest firmware from the manufacturer. Please visit the radio manufacturer's website and look for any updates pertaining to your radio.

INSTALL GUIDE

2012-2013
GMC SIERRA 1500
WITH NAV

RETAINS STEERING WHEEL CONTROLS, ONSTAR, BLUETOOTH, XM SATELLITE AND MORE!



PRODUITS REQUIS
Interface de remplacement d'autoradio: iDatalink Maestro RR ou RR2
Câblage : iDatalink Maestro HRR-GM2

PROGRAMMED FIRMWARE
ADS-RR(SR)-GM05-DS

ADDITIONAL RESOURCES
Maestro RR2 Programmable Outputs Guide

OPTIONAL ACCESSORIES

K40 ELECTRONICS
ESCORT
ACC-SP1

Click here for:
Radar Installation Guides

HEAD UNIT ADAPTER:
ACC-HU-PIO1, SON1, KEN1, KEN2, ALP1

NOTICE: Automotive Data Solutions Inc. (ADS) recommends having this installation performed by a certified technician. Logos and trademarks used here in are the properties of their respective owners.

WELCOME

Congratulations on the purchase of your iDatalink Maestro RR Radio replacement solution. You are now a few simple steps away from enjoying your new car radio with enhanced features.

Before starting your installation, please ensure that your iDatalink Maestro module is programmed with the correct firmware for your vehicle and that you carefully review the install guide.

Please note that Maestro RR will only retain functionalities that were originally available in the vehicle.

TABLE OF CONTENTS

Before Installing	3
Installation Instructions	4
Wiring Diagram with an Amplifier	5
Wiring Diagram without an Amplifier	6
Radio Wire Reference Chart	7
Module Diagnostics	8
Troubleshooting Table	9

NEED HELP?

1 866 427-2999

maestro.support@idatalink.com

BEFORE INSTALLING P1 /1

STEP 1

DETERMINE IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

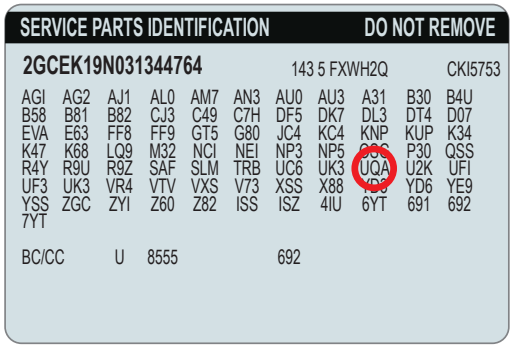
METHOD 1: Look for the following logos in the vehicle. They are usually on the speaker covers or on the radio unit. If you find any of the following logos Bose, Pioneer or Monsoon, you have a factory amplifier.

BOSE

Pioneer

MONSOON

METHOD 2: Look for the following sticker in the glove box. This sticker will indicate all the Regular Production Option (RPO) codes. If you find any of the following codes UQA, UQS or UQG, you have a factory amplifier.


SERVICE PARTS IDENTIFICATION DO NOT REMOVE

2GCEK19N031344764 143 5 FXWH2Q CKI5753

AGI	AG2	AJ1	AL0	AM7	AN3	AU0	AU3	A31	B30	B4U
B58	B81	B82	CJ3	C49	C7H	DF5	DK7	DL3	DT4	D07
EVA	E63	FF8	FF9	GT5	G80	JC4	KC4	KNP	KUP	K34
K47	K68	LQ9	M32	NCI	NE1	NP3	NP5	QQS	P30	QSS
R4Y	R9U	R9Z	SAF	SLM	TRB	UC6	UK3	UQA	U2K	UFI
UF3	UK3	VR4	VTV	VXS	V73	XSS	X88	YD5	YD6	YE9
YSS	ZGC	ZYI	Z60	Z82	ISS	ISZ	4IU	6YT	691	692
7YT										

BC/CC U 8555 692

STEP 2

IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **with an amplifier** and read the "**AMPLIFIER ONLY**" note to determine if you should use rca's or level matching circuits.

IF YOUR VEHICLE NOT IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **without an amplifier**.

Automotive Data Solutions Inc. © 2023

INSTALLATION INSTRUCTIONS P1/1

STEP 1

Remove the factory radio

If using head unit adapter (sold separately), connect HRR-GM2 harness to adapter and skip to step 2.

- Unbox the aftermarket radio and locate its main harness.
- Cut and remove the black 20 pin connector from the HRR-GM2 T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the HRR-GM2 T-harness and match the wire functions.

  Note: only connect purple/white wire to radio reverse input or module damage will occur.

STEP 2

- Connect the YELLOW 2 pin connector of the backup camera cable to the YELLOW connector (CAM 1) of the backup camera adapter. Connect GRAY connector of adapter to the vehicle backup camera harness.

STEP 3

- Connect the factory harness to the HRR-GM2 T-harness.
- Ensure that the RED 2 pin plugs are connected.
- Without AMP: Ensure that the WHITE 8 pin plugs are connected.
- With AMP: Connect the HRR-GM2 8 pin WHITE connectors to the AMP adapter.

STEP 4

- Connect HRR-GM2 2-pin black connector to black connector of OBDII extension harness.
- Plug the OBDII connector into the OBDII of the vehicle, under driver dash.

STEP 5

- Plug the harnesses into the aftermarket radio.
- Connect the backup camera RCA cable into the aftermarket radio.
- Plug the Data cable to the data port of the aftermarket radio.
- Insert the Audio cable into the iDatalink 3.5 mm audio jack of the aftermarket radio (if there is no iDatalink audio input, connect to AUX).

Note: On Pioneer radio, ensure that there is nothing plugged into the W/R port.

STEP 6

- Connect the ACC-SP1 speaker to Maestro module.
- Connect all the harnesses to the Maestro RR module then test your installation.

OnStar or warning chime adjust (Audio in vehicle speakers):

- Turn ignition (IGN) on
- Open driver's door

Select to adjust:

OnStar level - Press OnStar button.

Warning chime level - turn headlight switch to parking light position (not AUTO).

- Adjust volume using steering wheel volume up/down OR dimmer switch. If using dimmer switch, ensure headlight switch is NOT set to AUTO.

OnStar, turn signal, or warning chime adjust (Audio in GM5+ speaker):

- Find "OEM setup" menu in radio settings.

Under "Vehicle Features", select to adjust:

Onstar Volume - Level from 0-9

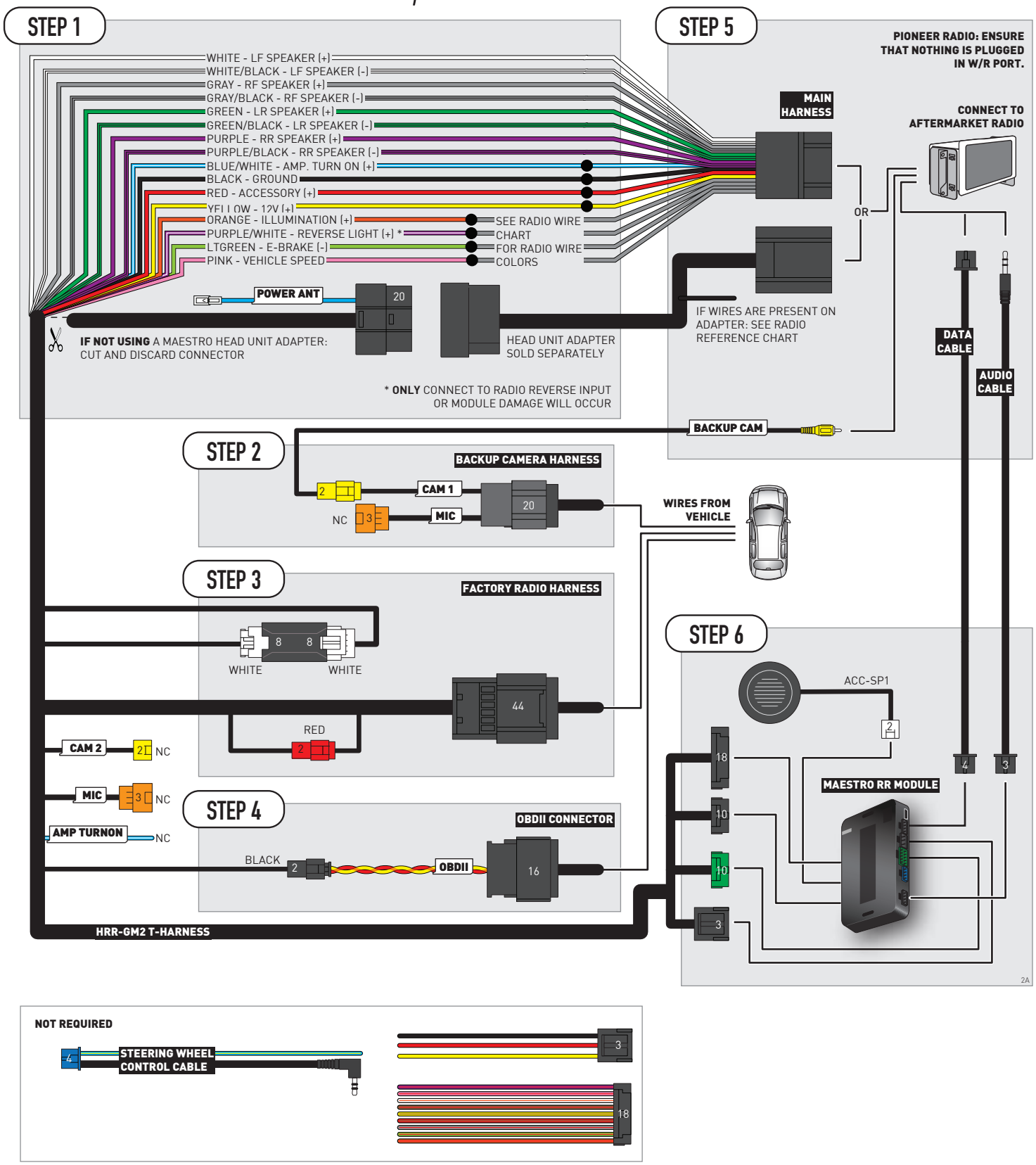
Chime Volume - Level from 0-9

Turn Signal Volume - 1-10

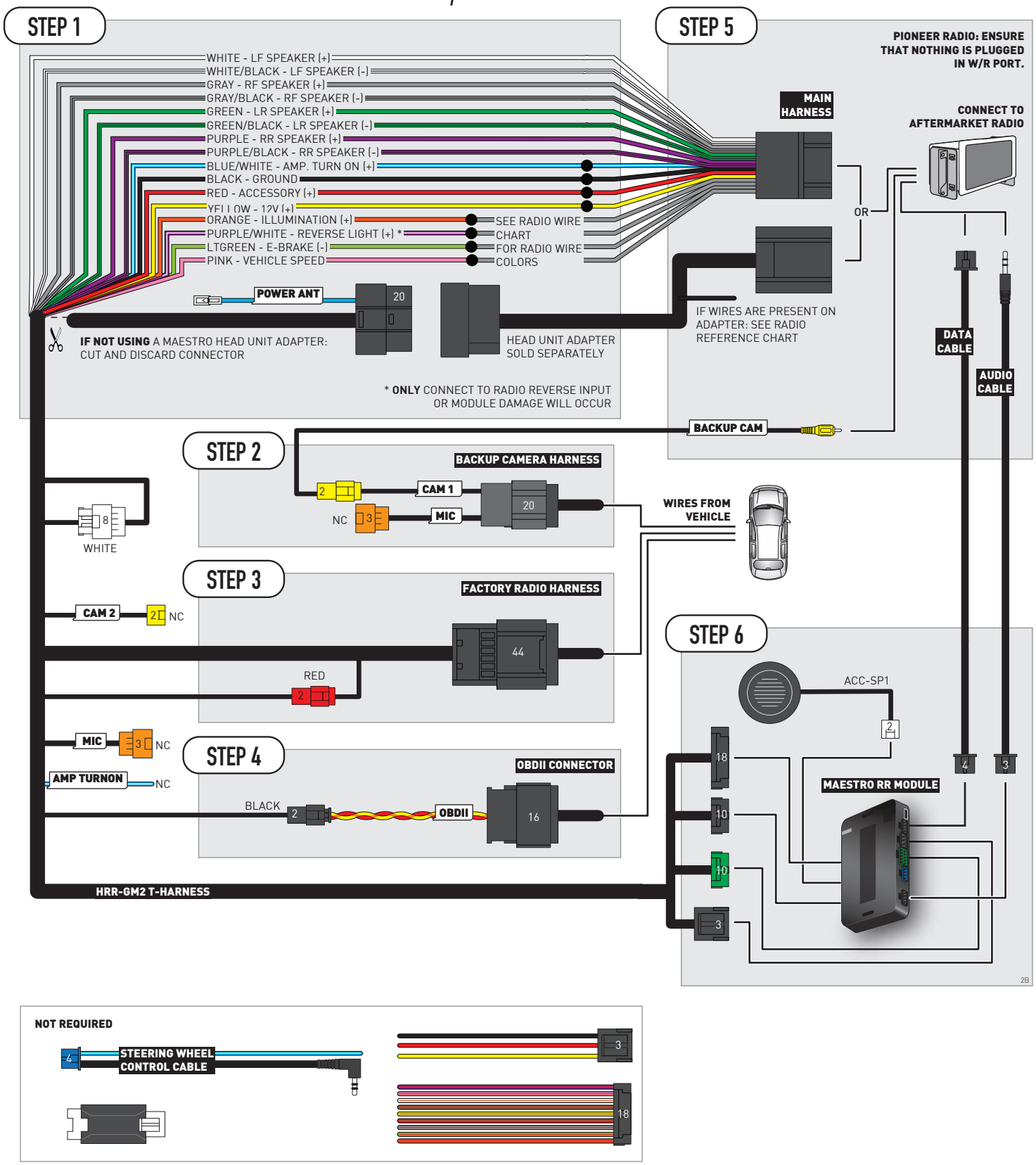
Turn Signal Reminder - Select "Click in speaker" for normal signal sounds. Select "Chime if left on" to only alert if turn signal is left on.

Automotive Data Solutions Inc. © 2023

WIRING DIAGRAM *with an Amplifier*



WIRING DIAGRAM *without an Amplifier*



RADIO WIRE REFERENCE CHART

GM5+ (GM2) T-harness Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/ JVC cable	Wire Color on Pioneer cable	Wire Color on Sony cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light*	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A
Power Antenna	(+)	Blue	Blue	Blue	Blue/White	Blue or Blue/White

Head unit adapter wiring (optional accessory, sold separately)

ACC-HU-ALP1 Wire Description	Polarity	Wire Color on Adapter	Alpine Radio
VSS (vehicle speed sensor)	(DATA)	Green/White	Green/White

ACC-HU-KEN1 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
CAM	(+)	Green/Red	Refer to camera/radio manual
CAM	(-)	Green/White	Refer to camera/radio manual
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

ACC-HU-KEN2 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
E-Brake	(-)	LtGreen	LtGreen
Reverse Light*	(+)	Purple/White	Purple/White
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

* Reverse light wire: Only connect to radio or module damage will occur.

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 (RR2) Bluetooth activity	LED STATUS	DIAGNOSTIC
● or ●		RED or GREEN flashing	LED flashes 1 or more times, either red or green, **when a steering wheel button is pressed** : normal operation.
●		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do NOT use DEMO MODE.
●		2 RED flashes	Problem detected. Consult troubleshooting table.
●		1 GREEN flash	After radio boots up : Normal operation.
	●	3 GREEN flashes	Bluetooth is activated. Turns off after one minute: Normal operation.
●	●	OFF	Normal operation (inactive).

VIDEO HELP		Installation, product information, vehicle specific videos.
VERIFY FLASH		Last flash information, steering control configuration, vehicle information.
WEBLINK		Software to program module.

TROUBLESHOOTING TABLE P1 /2

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure OBDII connector is securely attached to the OBD2 connector of the vehicle. If you hardwired connections at the OBDII, check connections at the OBDII connector. Make sure the **RED/BROWN** wire is on **PIN 6** and the **YELLOW/BROWN** wire is connected to **PIN 14** of the OBDII connector. Do not use T-Taps. Soldering or military splicing methods are recommended. If anything else is connected to the OBD2 or CAN wires of vehicle (programmer, throttle controller, insurance tracker, etc.) try unplugging it to see if gauges work. If gauges work without it installed, call tech support for options. Reset the RR.
No sound from Onstar or OEM Satellite (if equipped).	Make sure the audio cable is installed and inserted into the correct location on the radio.
Trying to use the OEM Satellite and get "Check Tuner" message.	In order to access the OEM Satellite you must go into the radio sources and look for the one that says "Satellite Radio". The SiriusXM source is not the same as the OEM Satellite source.
When listening to the OEM Satellite radio, the turn signals don't make the clicking noise, but they do in any other source.	This is normal. The audio for OEM Satellite radio and the turn signal clicks both come from the audio cable. The Maestro unit cannot process 2 different audio signals at the same time, so the OEM Satellite is priority.
There is no turn signal clicking noise.	Find OEM Setup in the radio settings. Under Vehicle Feature settings, look for Turn Signal Reminder. If it is set to "Chime If Left On", it will not click. If you wish to hear turn signal clicks, this setting must be set to "Click In Speaker".
No sound from the Bose system (If equipped).	Make sure the amplifier turn on wire (Blue/White) of the T-Harness is connected to the radio's amplifier turn on wire. When flashing the Maestro make sure that the Amplifier in OEM Systems to Retain is selected. Make sure the RCA's are connected to the radio or the speaker wires are connected depending on your installation method.
Vehicle had the Bose system and it was bypassed, now there are no chimes.	Remove the Maestro and reflash it, making sure you uncheck the Amplifier option in the OEM Systems section of the flash.
Audio is very quiet or very loud.	Non amplified vehicles: ensure the AMP adapter is NOT plugged in between the white 8 pin plugs. Amplified vehicles: ensure the AMP adapter IS plugged in between the white 8 pin plugs.
(Vehicle using a HRR-GM2 harness only) Backup camera is not working and displays a black screen on radio when in reverse.	Ensure the 2-pin yellow plug is connected as shown on the diagram.
The light on the Maestro is flashing **RED ONCE**.	There is no firmware on the module; flash the RR module.
The radio is **ON** and the light on the Maestro is blinking **RED TWICE**.	Ensure the 4-pin data cable is connected between the radio and the RR, and that it is plugged into the black port on the Maestro RR. The red and blue ports on the RR should be empty. Make sure the correct radio model and serial number were entered during the flash. Verify the radio's serial number entered during the flash matches what is listed on the radio screen. This can be found in the settings of the radio, listed as Device Id, Device Number, or Serial Number.
The light on the Maestro is blinking **RED TWICE** but radio **is NOT** turning on.	If installing a modular radio and it is not turning on, ensure the screen is secured and any trim pieces on the radio have been installed fully. Not installing these fully will prevent radio from powering up and show a 2x red error as well. Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.

TROUBLESHOOTING TABLE P2 /2

MAESTRO RR RESET PROCEDURE:

Turn the key to the OFF position, then disconnect all connectors from the module.
Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).
Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds to show the reset was successful.

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

IMPORTANT: To ensure proper operation, the aftermarket radio needs to have the latest firmware from the manufacturer. Please visit the radio manufacturer's website and look for any updates pertaining to your radio.

INSTALL GUIDE

2012-2014
GMC SIERRA 1500
WITHOUT NAV

RETAINS STEERING WHEEL CONTROLS, ONSTAR, BLUETOOTH, XM SATELLITE AND MORE!



PRODUCTS REQUIRED

iDatalink Maestro RR or RR2 Radio Replacement Interface
iDatalink Maestro HRR-GM5+ Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-GM05-DS

ADDITIONAL RESOURCES

Maestro RR2 Programmable Outputs Guide

OPTIONAL ACCESSORIES

K40 ELECTRONICS
ESCORT
ACC-SP1

Click here for:
Radar Installation Guides

HEAD UNIT ADAPTER:
ACC-HU-PIO1, SON1, KEN1, KEN2, ALP1

NOTICE: Automotive Data Solutions Inc. (ADS) recommends having this installation performed by a certified technician. Logos and trademarks used here in are the properties of their respective owners.

WELCOME

Congratulations on the purchase of your iDatalink Maestro RR Radio replacement solution. You are now a few simple steps away from enjoying your new car radio with enhanced features.

Before starting your installation, please ensure that your iDatalink Maestro module is programmed with the correct firmware for your vehicle and that you carefully review the install guide.

Please note that Maestro RR will only retain functionalities that were originally available in the vehicle.

TABLE OF CONTENTS

Before Installing	3
Installation Instructions	4
Wiring Diagram with an Amplifier	5
Wiring Diagram without an Amplifier	6
Radio Wire Reference Chart	7
Module Diagnostics	8
Troubleshooting Table	9

NEED HELP?

1 866 427-2999

maestro.support@idatalink.com

BEFORE INSTALLING P1 /1

STEP 1

DETERMINE IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

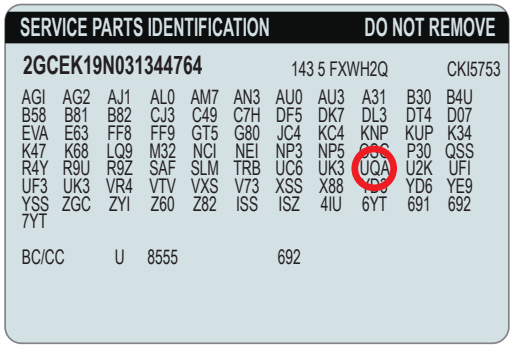
METHOD 1: Look for the following logos in the vehicle. They are usually on the speaker covers or on the radio unit. If you find any of the following logos Bose, Pioneer or Monsoon, you have a factory amplifier.

BOSE

Pioneer

MONSOON

METHOD 2: Look for the following sticker in the glove box. This sticker will indicate all the Regular Production Option (RPO) codes. If you find any of the following codes UQA, UQS or UQG, you have a factory amplifier.



STEP 2

IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **with an amplifier** and read the "**AMPLIFIER ONLY**" note to determine if you should use rca's or level matching circuits.

IF YOUR VEHICLE NOT IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **without an amplifier**.

INSTALLATION INSTRUCTIONS P1/1

STEP 1

Remove the factory radio

If using head unit adapter (sold separately), connect HRR-GM5+ harness to adapter and skip to step 2.

- Unbox the aftermarket radio and locate its main harness.
- Cut and remove the black 20 pin connector from the HRR-GM5+ T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the HRR-GM5+ T-harness and match the wire functions.

  Note: only connect purple/white wire to radio reverse input or module damage will occur.

STEP 2

- Connect the factory harness to the HRR-GM5+ T-harness.
- Without AMP: Ensure that the WHITE 8 pin plugs are connected.
- With AMP: Connect the HRR-GM5+ 8 pin WHITE connectors to the AMP adapter.

STEP 3

- Connect HRR-GM5+ 2-pin black connector to black connector of OBDII extension harness.
- Plug the OBDII connector into the OBDII of the vehicle, under driver dash.

STEP 4

- Plug the harnesses into the aftermarket radio.
- Connect the backup camera RCA cable into the aftermarket radio.
- With AMP: Connect the Center and SUB RCA cables.
- Plug the Data cable to the data port of the aftermarket radio.
- Insert the Audio cable into the iDatalink 3.5 mm audio jack of the aftermarket radio (if there is no iDatalink audio input, connect to AUX).

  Note: On Pioneer radio, ensure that there is nothing plugged into the W/R port.

STEP 5

- Connect the ACC-SP1 speaker to Maestro module.
- Connect all the harnesses to the Maestro RR module then test your installation.

OnStar or warning chime adjust (Audio in vehicle speakers):

- Turn ignition (IGN) on
- Open driver's door

Select to adjust:

OnStar level - Press OnStar button.

Warning chime level - turn headlight switch to parking light position (not AUTO).

- Adjust volume using steering wheel volume up/down OR dimmer switch. If using dimmer switch, ensure headlight switch is NOT set to AUTO.

OnStar, turn signal, or warning chime adjust (Audio in GM5+ speaker):

- Find "OEM setup" menu in radio settings.

Under "Vehicle Features", select to adjust:

Onstar Volume - Level from 0-9

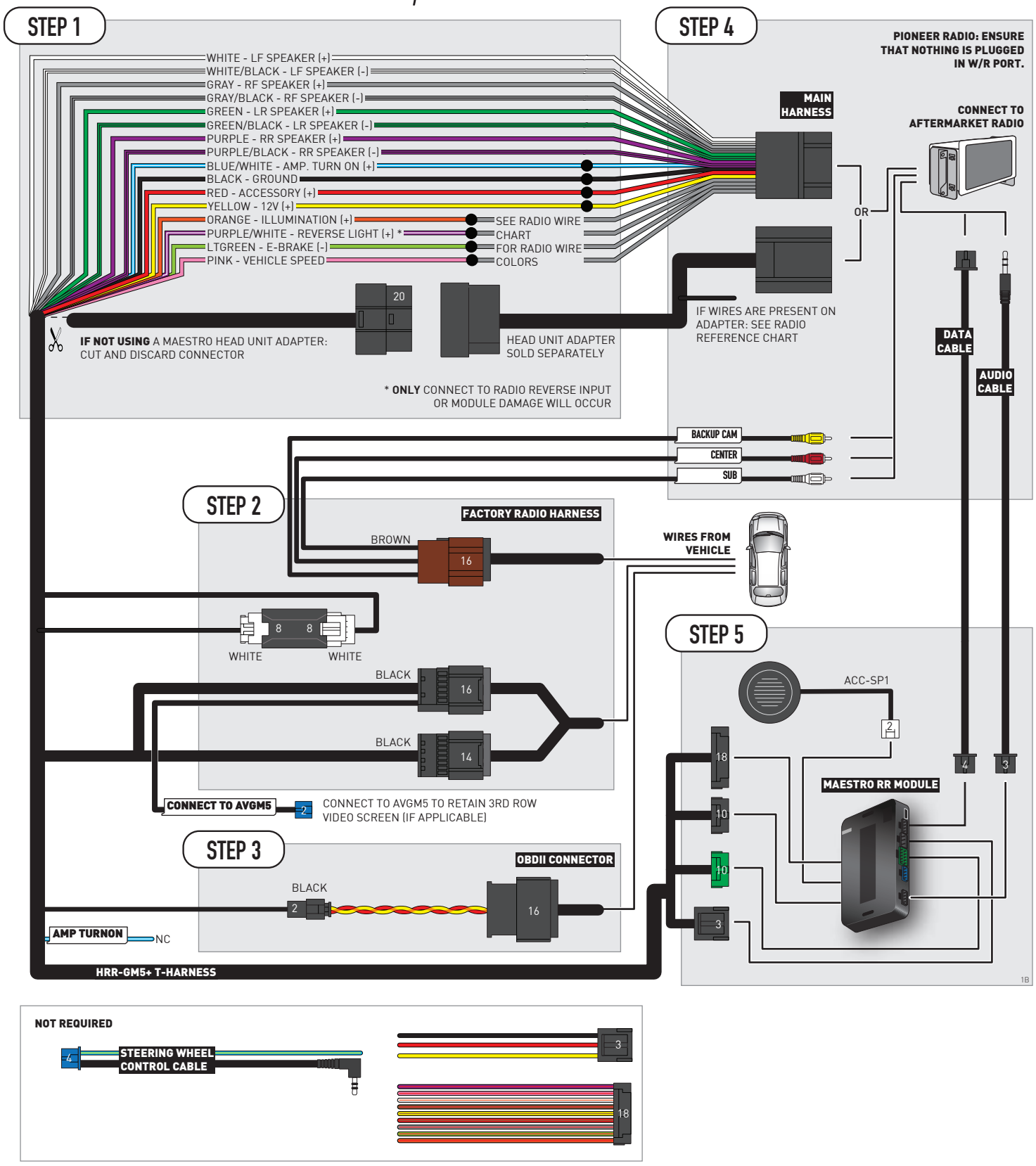
Chime Volume - Level from 0-9

Turn Signal Volume - 1-10

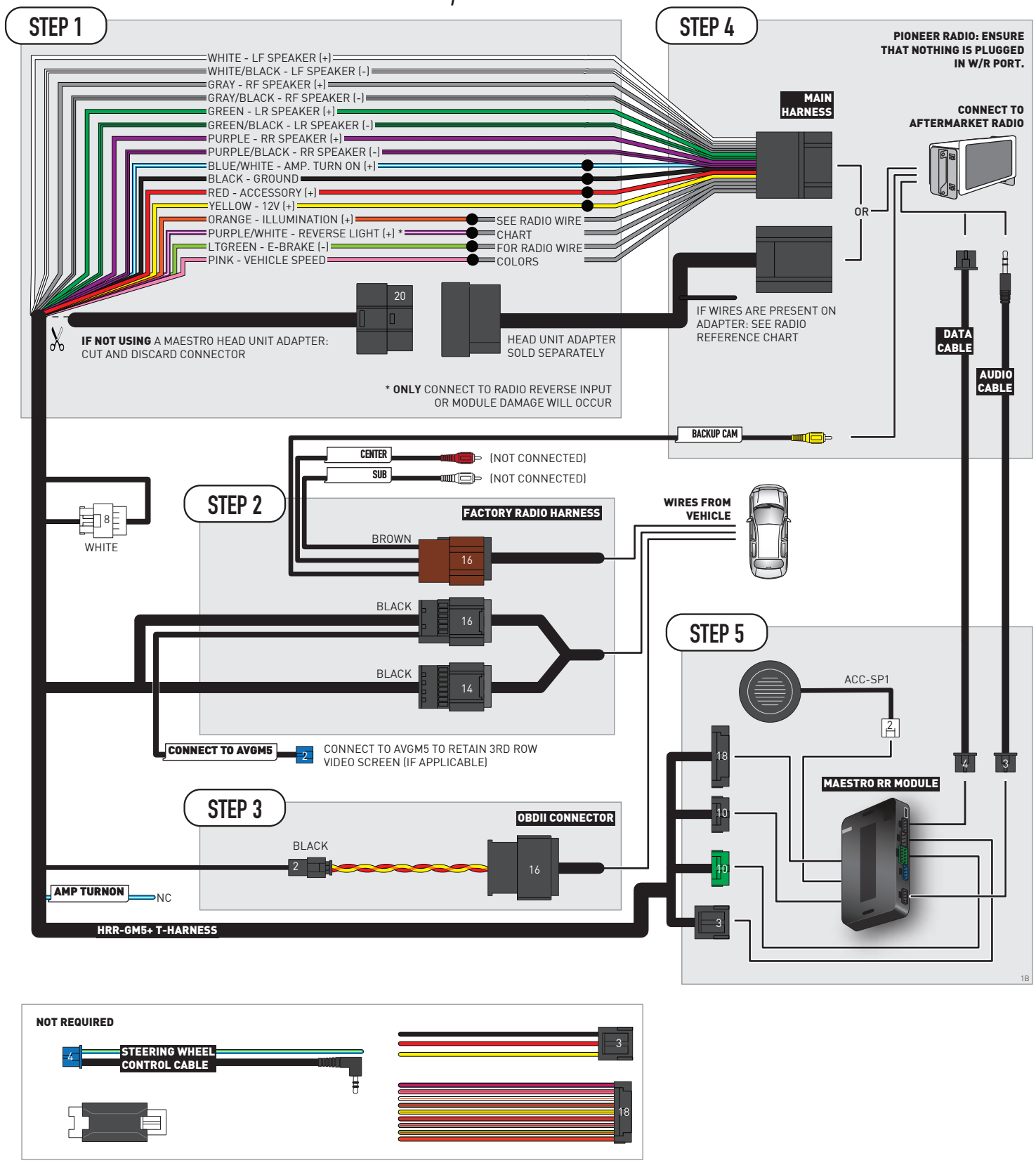
Turn Signal Reminder - Select "Click in speaker" for normal signal sounds. Select "Chime if left on" to only alert if turn signal is left on.

Automotive Data Solutions Inc. © 2023

WIRING DIAGRAM *with an Amplifier*



WIRING DIAGRAM *without an Amplifier*



RADIO WIRE REFERENCE CHART

GM5+ (GM2) T-harness Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/ JVC cable	Wire Color on Pioneer cable	Wire Color on Sony cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light*	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A
Power Antenna	(+)	Blue	Blue	Blue	Blue/White	Blue or Blue/White

Head unit adapter wiring (optional accessory, sold separately)

ACC-HU-ALP1 Wire Description	Polarity	Wire Color on Adapter	Alpine Radio
VSS (vehicle speed sensor)	(DATA)	Green/White	Green/White

ACC-HU-KEN1 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
CAM	(+)	Green/Red	Refer to camera/radio manual
CAM	(-)	Green/White	Refer to camera/radio manual
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

ACC-HU-KEN2 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
E-Brake	(-)	LtGreen	LtGreen
Reverse Light*	(+)	Purple/White	Purple/White
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

* Reverse light wire: Only connect to radio or module damage will occur.

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 (RR2) Bluetooth activity	LED STATUS	DIAGNOSTIC
● or ●		RED or GREEN flashing	LED flashes 1 or more times, either red or green, **when a steering wheel button is pressed** : normal operation.
●		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do NOT use DEMO MODE.
●		2 RED flashes	Problem detected. Consult troubleshooting table.
●		1 GREEN flash	After radio boots up : Normal operation.
	●	3 GREEN flashes	Bluetooth is activated. Turns off after one minute: Normal operation.
●	●	OFF	Normal operation (inactive).

VIDEO HELP		Installation, product information, vehicle specific videos.
VERIFY FLASH		Last flash information, steering control configuration, vehicle information.
WEBLINK		Software to program module.

TROUBLESHOOTING TABLE P1 /2

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure OBDII connector is securely attached to the OBD2 connector of the vehicle. If you hardwired connections at the OBDII, check connections at the OBDII connector. Make sure the **RED/BROWN** wire is on **PIN 6** and the **YELLOW/BROWN** wire is connected to **PIN 14** of the OBDII connector. Do not use T-Taps. Soldering or military splicing methods are recommended. If anything else is connected to the OBD2 or CAN wires of vehicle (programmer, throttle controller, insurance tracker, etc.) try unplugging it to see if gauges work. If gauges work without it installed, call tech support for options. Reset the RR.
No sound from Onstar or OEM Satellite (if equipped).	Make sure the audio cable is installed and inserted into the correct location on the radio.
Trying to use the OEM Satellite and get "Check Tuner" message.	In order to access the OEM Satellite you must go into the radio sources and look for the one that says "Satellite Radio". The SiriusXM source is not the same as the OEM Satellite source.
When listening to the OEM Satellite radio, the turn signals don't make the clicking noise, but they do in any other source.	This is normal. The audio for OEM Satellite radio and the turn signal clicks both come from the audio cable. The Maestro unit cannot process 2 different audio signals at the same time, so the OEM Satellite is priority.
There is no turn signal clicking noise.	Find OEM Setup in the radio settings. Under Vehicle Feature settings, look for Turn Signal Reminder. If it is set to "Chime If Left On", it will not click. If you wish to hear turn signal clicks, this setting must be set to "Click In Speaker".
No sound from the Bose system (If equipped).	Make sure the amplifier turn on wire (Blue/White) of the T-Harness is connected to the radio's amplifier turn on wire. When flashing the Maestro make sure that the Amplifier in OEM Systems to Retain is selected. Make sure the RCA's are connected to the radio or the speaker wires are connected depending on your installation method.
Vehicle had the Bose system and it was bypassed, now there are no chimes.	Remove the Maestro and reflash it, making sure you uncheck the Amplifier option in the OEM Systems section of the flash.
Audio is very quiet or very loud.	Non amplified vehicles: ensure the AMP adapter is NOT plugged in between the white 8 pin plugs. Amplified vehicles: ensure the AMP adapter IS plugged in between the white 8 pin plugs.
(Vehicle using a HRR-GM2 harness only) Backup camera is not working and displays a black screen on radio when in reverse.	Ensure the 2-pin yellow plug is connected as shown on the diagram.
The light on the Maestro is flashing **RED ONCE**.	There is no firmware on the module; flash the RR module.
The radio is **ON** and the light on the Maestro is blinking **RED TWICE**.	Ensure the 4-pin data cable is connected between the radio and the RR, and that it is plugged into the black port on the Maestro RR. The red and blue ports on the RR should be empty. Make sure the correct radio model and serial number were entered during the flash. Verify the radio's serial number entered during the flash matches what is listed on the radio screen. This can be found in the settings of the radio, listed as Device Id, Device Number, or Serial Number.
The light on the Maestro is blinking **RED TWICE** but radio **is NOT** turning on.	If installing a modular radio and it is not turning on, ensure the screen is secured and any trim pieces on the radio have been installed fully. Not installing these fully will prevent radio from powering up and show a 2x red error as well. Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.

TROUBLESHOOTING TABLE P2 /2

MAESTRO RR RESET PROCEDURE:

Turn the key to the OFF position, then disconnect all connectors from the module.
Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).
Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds to show the reset was successful.

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

IMPORTANT: To ensure proper operation, the aftermarket radio needs to have the latest firmware from the manufacturer. Please visit the radio manufacturer's website and look for any updates pertaining to your radio.

INSTALL GUIDE

2007-2011
GMC SIERRA 2500 & 3500

RETAINS STEERING WHEEL CONTROLS, ONSTAR, BLUETOOTH, XM SATELLITE AND MORE!



PRODUCTS REQUIRED

iDatalink Maestro RR or RR2 Radio Replacement Interface
iDatalink Maestro HRR-GM5+ Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-GM05-DS

ADDITIONAL RESOURCES

Maestro RR2 Programmable Outputs Guide

OPTIONAL ACCESSORIES

K40 ELECTRONICS
ESCORT

Click here for:
Radar Installation Guides

ACC-SP1

HEAD UNIT ADAPTER:
ACC-HU-PIO1, SON1, KEN1, KEN2, ALP1

NOTICE: Automotive Data Solutions Inc. (ADS) recommends having this installation performed by a certified technician. Logos and trademarks used here in are the properties of their respective owners.

WELCOME

Congratulations on the purchase of your iDatalink Maestro RR Radio replacement solution. You are now a few simple steps away from enjoying your new car radio with enhanced features.

Before starting your installation, please ensure that your iDatalink Maestro module is programmed with the correct firmware for your vehicle and that you carefully review the install guide.

Please note that Maestro RR will only retain functionalities that were originally available in the vehicle.

TABLE OF CONTENTS

Before Installing	3
Installation Instructions	4
Wiring Diagram with an Amplifier	5
Wiring Diagram without an Amplifier	6
Radio Wire Reference Chart	7
Module Diagnostics	8
Troubleshooting Table	9

NEED HELP?

1 866 427-2999

maestro.support@idatalink.com

BEFORE INSTALLING P1 /1

STEP 1

DETERMINE IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

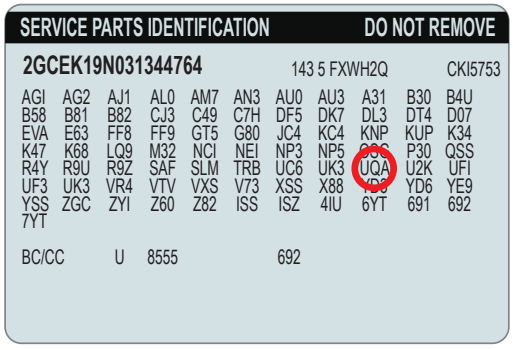
METHOD 1: Look for the following logos in the vehicle. They are usually on the speaker covers or on the radio unit. If you find any of the following logos Bose, Pioneer or Monsoon, you have a factory amplifier.

BOSE

Pioneer

MONSOON

METHOD 2: Look for the following sticker in the glove box. This sticker will indicate all the Regular Production Option (RPO) codes. If you find any of the following codes UQA, UQS or UQG, you have a factory amplifier.



STEP 2

IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **with an amplifier** and read the "**AMPLIFIER ONLY**" note to determine if you should use rca's or level matching circuits.

IF YOUR VEHICLE NOT IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **without an amplifier**.

Automotive Data Solutions Inc. © 2023

INSTALLATION INSTRUCTIONS P1/1

STEP 1

Remove the factory radio

If using head unit adapter (sold separately), connect HRR-GM5+ harness to adapter and skip to step 2.

- Unbox the aftermarket radio and locate its main harness.
- Cut and remove the black 20 pin connector from the HRR-GM5+ T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the HRR-GM5+ T-harness and match the wire functions.

  Note: only connect purple/white wire to radio reverse input or module damage will occur.

STEP 2

- Connect the factory harness to the HRR-GM5+ T-harness.
- Without AMP: Ensure that the WHITE 8 pin plugs are connected.
- With AMP: Connect the HRR-GM5+ 8 pin WHITE connectors to the AMP adapter.

STEP 3

- Connect HRR-GM5+ 2-pin black connector to black connector of OBDII extension harness.
- Plug the OBDII connector into the OBDII of the vehicle, under driver dash.

STEP 4

- Plug the harnesses into the aftermarket radio.
- Connect the backup camera RCA cable into the aftermarket radio.
- With AMP: Connect the Center and SUB RCA cables.
- Plug the Data cable to the data port of the aftermarket radio.
- Insert the Audio cable into the iDatalink 3.5 mm audio jack of the aftermarket radio (if there is no iDatalink audio input, connect to AUX).

  Note: On Pioneer radio, ensure that there is nothing plugged into the W/R port.

STEP 5

- Connect the ACC-SP1 speaker to Maestro module.
- Connect all the harnesses to the Maestro RR module then test your installation.

OnStar or warning chime adjust (Audio in vehicle speakers):

- Turn ignition (IGN) on
- Open driver's door

Select to adjust:

OnStar level - Press OnStar button.

Warning chime level - turn headlight switch to parking light position (not AUTO).

- Adjust volume using steering wheel volume up/down OR dimmer switch. If using dimmer switch, ensure headlight switch is NOT set to AUTO.

OnStar, turn signal, or warning chime adjust (Audio in GM5+ speaker):

- Find "OEM setup" menu in radio settings.

Under "Vehicle Features", select to adjust:

Onstar Volume - Level from 0-9

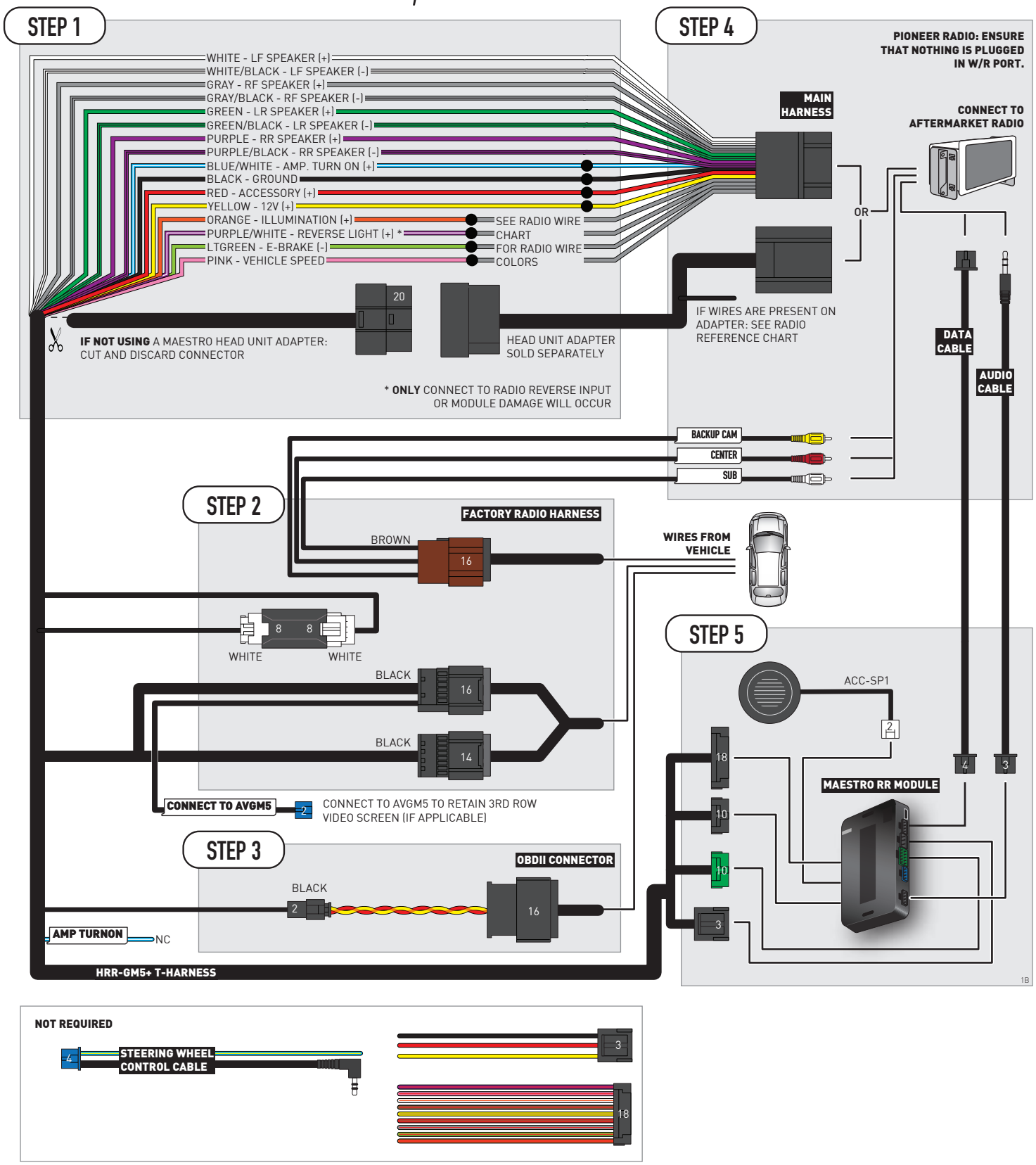
Chime Volume - Level from 0-9

Turn Signal Volume - 1-10

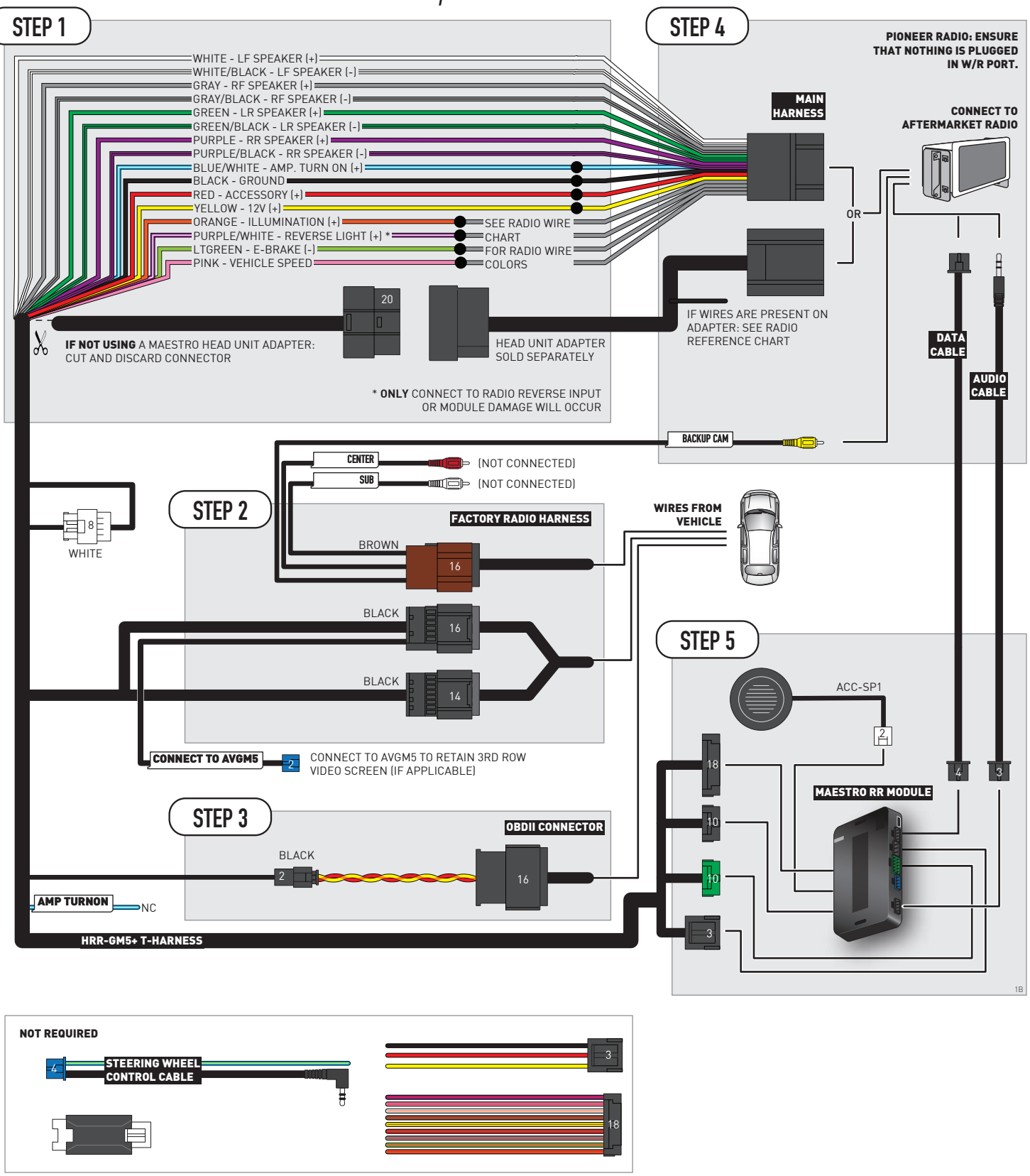
Turn Signal Reminder - Select "Click in speaker" for normal signal sounds. Select "Chime if left on" to only alert if turn signal is left on.

Automotive Data Solutions Inc. © 2023

WIRING DIAGRAM *with an Amplifier*



WIRING DIAGRAM *without an Amplifier*



RADIO WIRE REFERENCE CHART

GM5+ (GM2) T-harness Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/ JVC cable	Wire Color on Pioneer cable	Wire Color on Sony cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light*	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A
Power Antenna	(+)	Blue	Blue	Blue	Blue/White	Blue or Blue/White

Head unit adapter wiring (optional accessory, sold separately)

ACC-HU-ALP1 Wire Description	Polarity	Wire Color on Adapter	Alpine Radio
VSS (vehicle speed sensor)	(DATA)	Green/White	Green/White

ACC-HU-KEN1 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
CAM	(+)	Green/Red	Refer to camera/radio manual
CAM	(-)	Green/White	Refer to camera/radio manual
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

ACC-HU-KEN2 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
E-Brake	(-)	LtGreen	LtGreen
Reverse Light*	(+)	Purple/White	Purple/White
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

* Reverse light wire: Only connect to radio or module damage will occur.

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 (RR2) Bluetooth activity	LED STATUS	DIAGNOSTIC
● or ●		RED or GREEN flashing	LED flashes 1 or more times, either red or green, **when a steering wheel button is pressed** : normal operation.
●		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do NOT use DEMO MODE.
●		2 RED flashes	Problem detected. Consult troubleshooting table.
●		1 GREEN flash	After radio boots up : Normal operation.
	●	3 GREEN flashes	Bluetooth is activated. Turns off after one minute: Normal operation.
●	●	OFF	Normal operation (inactive).

VIDEO HELP		Installation, product information, vehicle specific videos.
VERIFY FLASH		Last flash information, steering control configuration, vehicle information.
WEBLINK		Software to program module.

TROUBLESHOOTING TABLE P1 /2

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure OBDII connector is securely attached to the OBD2 connector of the vehicle. If you hardwired connections at the OBDII, check connections at the OBDII connector. Make sure the **RED/BROWN** wire is on **PIN 6** and the **YELLOW/BROWN** wire is connected to **PIN 14** of the OBDII connector. Do not use T-Taps. Soldering or military splicing methods are recommended. If anything else is connected to the OBD2 or CAN wires of vehicle (programmer, throttle controller, insurance tracker, etc.) try unplugging it to see if gauges work. If gauges work without it installed, call tech support for options. Reset the RR.
No sound from Onstar or OEM Satellite (if equipped).	Make sure the audio cable is installed and inserted into the correct location on the radio.
Trying to use the OEM Satellite and get "Check Tuner" message.	In order to access the OEM Satellite you must go into the radio sources and look for the one that says "Satellite Radio". The SiriusXM source is not the same as the OEM Satellite source.
When listening to the OEM Satellite radio, the turn signals don't make the clicking noise, but they do in any other source.	This is normal. The audio for OEM Satellite radio and the turn signal clicks both come from the audio cable. The Maestro unit cannot process 2 different audio signals at the same time, so the OEM Satellite is priority.
There is no turn signal clicking noise.	Find OEM Setup in the radio settings. Under Vehicle Feature settings, look for Turn Signal Reminder. If it is set to "Chime If Left On", it will not click. If you wish to hear turn signal clicks, this setting must be set to "Click In Speaker".
No sound from the Bose system (If equipped).	Make sure the amplifier turn on wire (Blue/White) of the T-Harness is connected to the radio's amplifier turn on wire. When flashing the Maestro make sure that the Amplifier in OEM Systems to Retain is selected. Make sure the RCA's are connected to the radio or the speaker wires are connected depending on your installation method.
Vehicle had the Bose system and it was bypassed, now there are no chimes.	Remove the Maestro and reflash it, making sure you uncheck the Amplifier option in the OEM Systems section of the flash.
Audio is very quiet or very loud.	Non amplified vehicles: ensure the AMP adapter is NOT plugged in between the white 8 pin plugs. Amplified vehicles: ensure the AMP adapter IS plugged in between the white 8 pin plugs.
(Vehicle using a HRR-GM2 harness only) Backup camera is not working and displays a black screen on radio when in reverse.	Ensure the 2-pin yellow plug is connected as shown on the diagram.
The light on the Maestro is flashing **RED ONCE**.	There is no firmware on the module; flash the RR module.
The radio is **ON** and the light on the Maestro is blinking **RED TWICE**.	Ensure the 4-pin data cable is connected between the radio and the RR, and that it is plugged into the black port on the Maestro RR. The red and blue ports on the RR should be empty. Make sure the correct radio model and serial number were entered during the flash. Verify the radio's serial number entered during the flash matches what is listed on the radio screen. This can be found in the settings of the radio, listed as Device Id, Device Number, or Serial Number.
The light on the Maestro is blinking **RED TWICE** but radio **is NOT** turning on.	If installing a modular radio and it is not turning on, ensure the screen is secured and any trim pieces on the radio have been installed fully. Not installing these fully will prevent radio from powering up and show a 2x red error as well. Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.

TROUBLESHOOTING TABLE P2 /2

MAESTRO RR RESET PROCEDURE:

Turn the key to the OFF position, then disconnect all connectors from the module.
Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).
Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds to show the reset was successful.

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

IMPORTANT: To ensure proper operation, the aftermarket radio needs to have the latest firmware from the manufacturer. Please visit the radio manufacturer's website and look for any updates pertaining to your radio.

INSTALL GUIDE

2012-2014
GMC SIERRA 2500 & 3500
WITHOUT NAV

RETAINS STEERING WHEEL CONTROLS, ONSTAR, BLUETOOTH, XM SATELLITE AND MORE!



PRODUCTS REQUIRED

iDatalink Maestro RR or RR2 Radio Replacement Interface
iDatalink Maestro HRR-GM5+ Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-GM05-DS

ADDITIONAL RESOURCES

Maestro RR2 Programmable Outputs Guide

OPTIONAL ACCESSORIES

K40 ELECTRONICS
ESCORT

Click here for:
Radar Installation Guides

ACC-SP1

HEAD UNIT ADAPTER:
ACC-HU-PIO1, SON1, KEN1, KEN2, ALP1

NOTICE: Automotive Data Solutions Inc. (ADS) recommends having this installation performed by a certified technician. Logos and trademarks used here in are the properties of their respective owners.

WELCOME

Congratulations on the purchase of your iDatalink Maestro RR Radio replacement solution. You are now a few simple steps away from enjoying your new car radio with enhanced features.

Before starting your installation, please ensure that your iDatalink Maestro module is programmed with the correct firmware for your vehicle and that you carefully review the install guide.

Please note that Maestro RR will only retain functionalities that were originally available in the vehicle.

TABLE OF CONTENTS

Before Installing	3
Installation Instructions	4
Wiring Diagram with an Amplifier	5
Wiring Diagram without an Amplifier	6
Radio Wire Reference Chart	7
Module Diagnostics	8
Troubleshooting Table	9

NEED HELP?

1 866 427-2999

maestro.support@idatalink.com

BEFORE INSTALLING P1 /1

STEP 1

DETERMINE IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

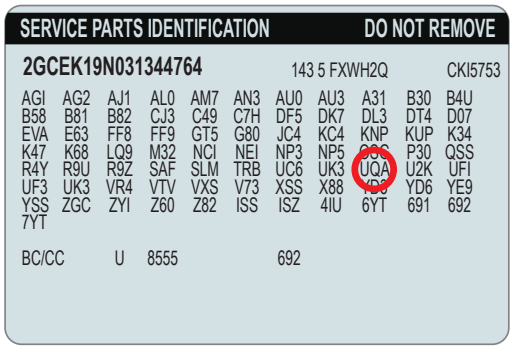
METHOD 1: Look for the following logos in the vehicle. They are usually on the speaker covers or on the radio unit. If you find any of the following logos Bose, Pioneer or Monsoon, you have a factory amplifier.

BOSE

Pioneer

MONSOON

METHOD 2: Look for the following sticker in the glove box. This sticker will indicate all the Regular Production Option (RPO) codes. If you find any of the following codes UQA, UQS or UQG, you have a factory amplifier.



STEP 2

IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **with an amplifier** and read the "**AMPLIFIER ONLY**" note to determine if you should use rca's or level matching circuits.

IF YOUR VEHICLE NOT IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **without an amplifier**.

INSTALLATION INSTRUCTIONS P1/1

STEP 1

Remove the factory radio

If using head unit adapter (sold separately), connect HRR-GM5+ harness to adapter and skip to step 2.

- Unbox the aftermarket radio and locate its main harness.
- Cut and remove the black 20 pin connector from the HRR-GM5+ T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the HRR-GM5+ T-harness and match the wire functions.

  Note: only connect purple/white wire to radio reverse input or module damage will occur.

STEP 2

- Connect the factory harness to the HRR-GM5+ T-harness.
- Without AMP: Ensure that the WHITE 8 pin plugs are connected.
- With AMP: Connect the HRR-GM5+ 8 pin WHITE connectors to the AMP adapter.

STEP 3

- Connect HRR-GM5+ 2-pin black connector to black connector of OBDII extension harness.
- Plug the OBDII connector into the OBDII of the vehicle, under driver dash.

STEP 4

- Plug the harnesses into the aftermarket radio.
- Connect the backup camera RCA cable into the aftermarket radio.
- With AMP: Connect the Center and SUB RCA cables.
- Plug the Data cable to the data port of the aftermarket radio.
- Insert the Audio cable into the iDatalink 3.5 mm audio jack of the aftermarket radio (if there is no iDatalink audio input, connect to AUX).

  Note: On Pioneer radio, ensure that there is nothing plugged into the W/R port.

STEP 5

- Connect the ACC-SP1 speaker to Maestro module.
- Connect all the harnesses to the Maestro RR module then test your installation.

OnStar or warning chime adjust (Audio in vehicle speakers):

- Turn ignition (IGN) on
- Open driver's door

Select to adjust:

OnStar level - Press OnStar button.

Warning chime level - turn headlight switch to parking light position (not AUTO).

- Adjust volume using steering wheel volume up/down OR dimmer switch. If using dimmer switch, ensure headlight switch is NOT set to AUTO.

OnStar, turn signal, or warning chime adjust (Audio in GM5+ speaker):

- Find "OEM setup" menu in radio settings.

Under "Vehicle Features", select to adjust:

Onstar Volume - Level from 0-9

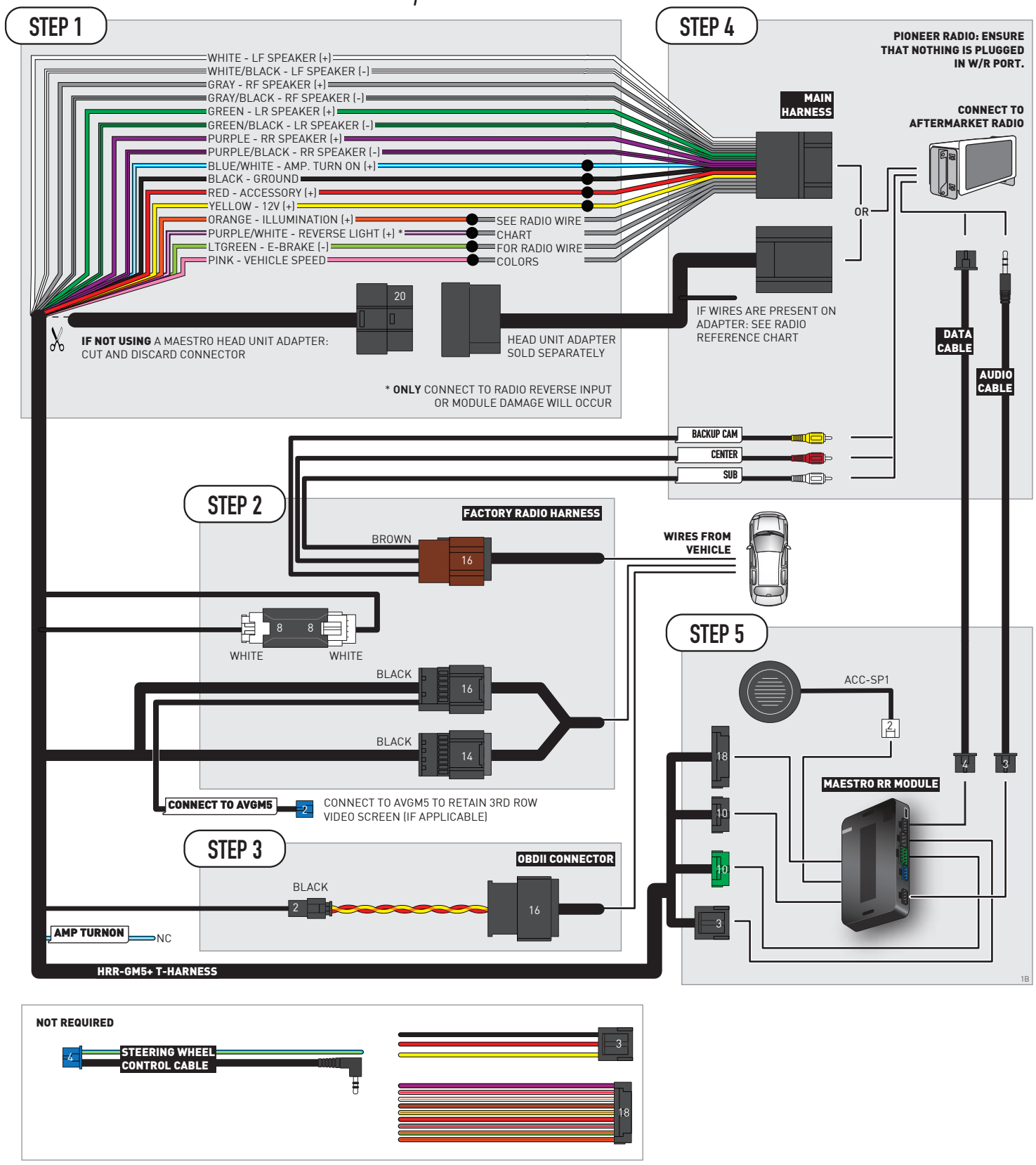
Chime Volume - Level from 0-9

Turn Signal Volume - 1-10

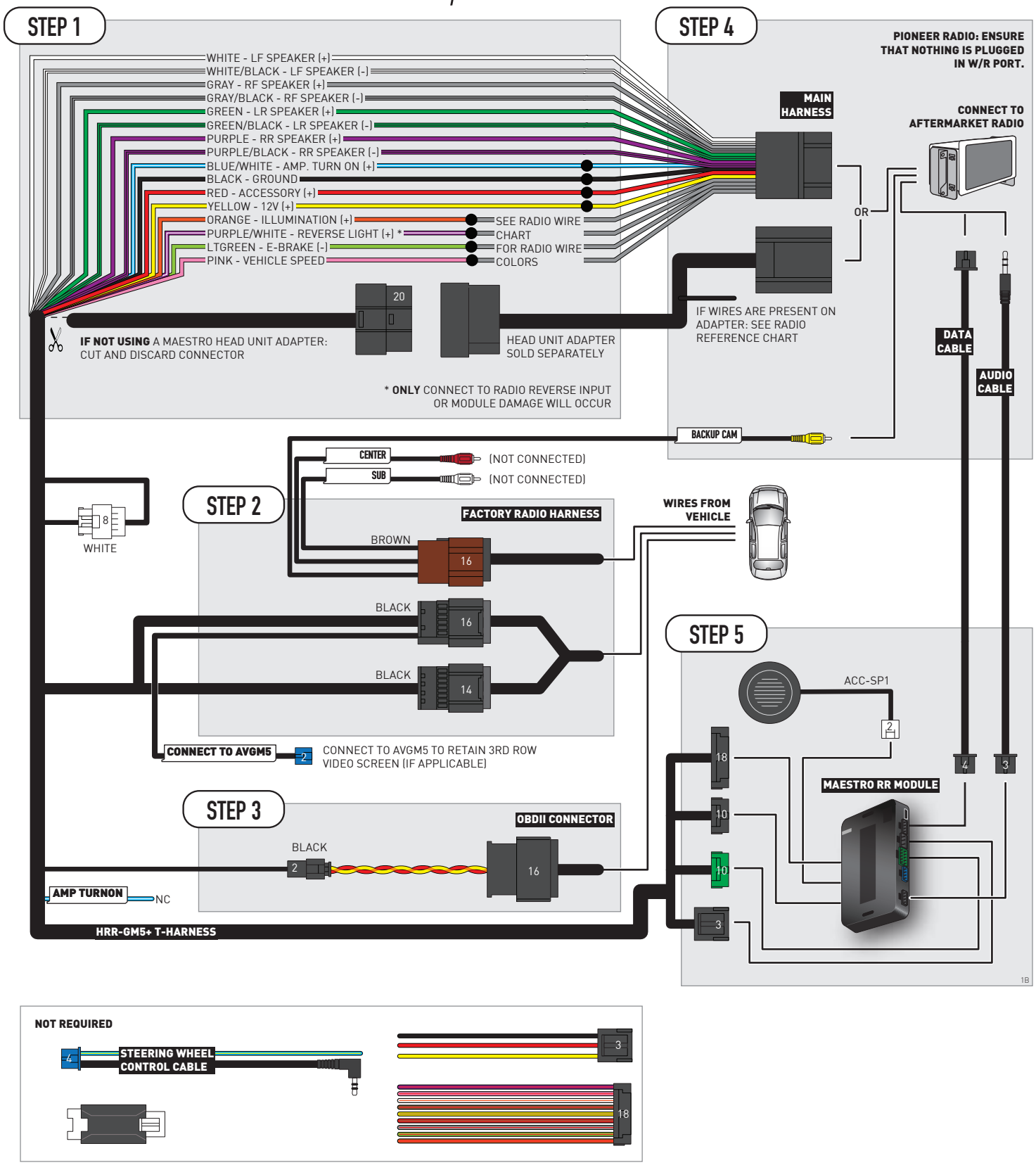
Turn Signal Reminder - Select "Click in speaker" for normal signal sounds. Select "Chime if left on" to only alert if turn signal is left on.

Automotive Data Solutions Inc. © 2023

WIRING DIAGRAM *with an Amplifier*



WIRING DIAGRAM *without an Amplifier*



RADIO WIRE REFERENCE CHART

GM5+ (GM2) T-harness Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/ JVC cable	Wire Color on Pioneer cable	Wire Color on Sony cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light*	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A
Power Antenna	(+)	Blue	Blue	Blue	Blue/White	Blue or Blue/White

Head unit adapter wiring (optional accessory, sold separately)

ACC-HU-ALP1 Wire Description	Polarity	Wire Color on Adapter	Alpine Radio
VSS (vehicle speed sensor)	(DATA)	Green/White	Green/White

ACC-HU-KEN1 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
CAM	(+)	Green/Red	Refer to camera/radio manual
CAM	(-)	Green/White	Refer to camera/radio manual
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

ACC-HU-KEN2 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
E-Brake	(-)	LtGreen	LtGreen
Reverse Light*	(+)	Purple/White	Purple/White
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

* Reverse light wire: Only connect to radio or module damage will occur.

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 (RR2) Bluetooth activity	LED STATUS	DIAGNOSTIC
● or ●		RED or GREEN flashing	LED flashes 1 or more times, either red or green, **when a steering wheel button is pressed** : normal operation.
●		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do NOT use DEMO MODE.
●		2 RED flashes	Problem detected. Consult troubleshooting table.
●		1 GREEN flash	After radio boots up : Normal operation.
	●	3 GREEN flashes	Bluetooth is activated. Turns off after one minute: Normal operation.
●	●	OFF	Normal operation (inactive).

VIDEO HELP		Installation, product information, vehicle specific videos.
VERIFY FLASH		Last flash information, steering control configuration, vehicle information.
WEBLINK		Software to program module.

TROUBLESHOOTING TABLE P1 /2

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure OBDII connector is securely attached to the OBD2 connector of the vehicle. If you hardwired connections at the OBDII, check connections at the OBDII connector. Make sure the **RED/BROWN** wire is on **PIN 6** and the **YELLOW/BROWN** wire is connected to **PIN 14** of the OBDII connector. Do not use T-Taps. Soldering or military splicing methods are recommended. If anything else is connected to the OBD2 or CAN wires of vehicle (programmer, throttle controller, insurance tracker, etc.) try unplugging it to see if gauges work. If gauges work without it installed, call tech support for options. Reset the RR.
No sound from Onstar or OEM Satellite (if equipped).	Make sure the audio cable is installed and inserted into the correct location on the radio.
Trying to use the OEM Satellite and get "Check Tuner" message.	In order to access the OEM Satellite you must go into the radio sources and look for the one that says "Satellite Radio". The SiriusXM source is not the same as the OEM Satellite source.
When listening to the OEM Satellite radio, the turn signals don't make the clicking noise, but they do in any other source.	This is normal. The audio for OEM Satellite radio and the turn signal clicks both come from the audio cable. The Maestro unit cannot process 2 different audio signals at the same time, so the OEM Satellite is priority.
There is no turn signal clicking noise.	Find OEM Setup in the radio settings. Under Vehicle Feature settings, look for Turn Signal Reminder. If it is set to "Chime If Left On", it will not click. If you wish to hear turn signal clicks, this setting must be set to "Click In Speaker".
No sound from the Bose system (If equipped).	Make sure the amplifier turn on wire (Blue/White) of the T-Harness is connected to the radio's amplifier turn on wire. When flashing the Maestro make sure that the Amplifier in OEM Systems to Retain is selected. Make sure the RCA's are connected to the radio or the speaker wires are connected depending on your installation method.
Vehicle had the Bose system and it was bypassed, now there are no chimes.	Remove the Maestro and reflash it, making sure you uncheck the Amplifier option in the OEM Systems section of the flash.
Audio is very quiet or very loud.	Non amplified vehicles: ensure the AMP adapter is NOT plugged in between the white 8 pin plugs. Amplified vehicles: ensure the AMP adapter IS plugged in between the white 8 pin plugs.
(Vehicle using a HRR-GM2 harness only) Backup camera is not working and displays a black screen on radio when in reverse.	Ensure the 2-pin yellow plug is connected as shown on the diagram.
The light on the Maestro is flashing **RED ONCE**.	There is no firmware on the module; flash the RR module.
The radio is **ON** and the light on the Maestro is blinking **RED TWICE**.	Ensure the 4-pin data cable is connected between the radio and the RR, and that it is plugged into the black port on the Maestro RR. The red and blue ports on the RR should be empty. Make sure the correct radio model and serial number were entered during the flash. Verify the radio's serial number entered during the flash matches what is listed on the radio screen. This can be found in the settings of the radio, listed as Device Id, Device Number, or Serial Number.
The light on the Maestro is blinking **RED TWICE** but radio **is NOT** turning on.	If installing a modular radio and it is not turning on, ensure the screen is secured and any trim pieces on the radio have been installed fully. Not installing these fully will prevent radio from powering up and show a 2x red error as well. Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.

TROUBLESHOOTING TABLE P2 /2

MAESTRO RR RESET PROCEDURE:

Turn the key to the OFF position, then disconnect all connectors from the module.
Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).
Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds to show the reset was successful.

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

IMPORTANT: To ensure proper operation, the aftermarket radio needs to have the latest firmware from the manufacturer. Please visit the radio manufacturer's website and look for any updates pertaining to your radio.

INSTALL GUIDE

2012-2014
GMC SIERRA 2500
WITH NAV

RETAINS STEERING WHEEL CONTROLS, ONSTAR, BLUETOOTH, XM SATELLITE AND MORE!



PRODUITS REQUIS
Interface de remplacement d'autoradio: iDatalink Maestro RR ou RR2
Câblage : iDatalink Maestro HRR-GM2

PROGRAMMED FIRMWARE
ADS-RR(SR)-GM05-DS

ADDITIONAL RESOURCES
Maestro RR2 Programmable Outputs Guide

OPTIONAL ACCESSORIES
K40 ELECTRONICS
ESCORT
ACC-SP1

Click here for:
Radar Installation Guides

HEAD UNIT ADAPTER:
ACC-HU-PIO1, SON1, KEN1, KEN2, ALP1

NOTICE: Automotive Data Solutions Inc. (ADS) recommends having this installation performed by a certified technician. Logos and trademarks used here in are the properties of their respective owners.

WELCOME

Congratulations on the purchase of your iDatalink Maestro RR Radio replacement solution. You are now a few simple steps away from enjoying your new car radio with enhanced features.

Before starting your installation, please ensure that your iDatalink Maestro module is programmed with the correct firmware for your vehicle and that you carefully review the install guide.

Please note that Maestro RR will only retain functionalities that were originally available in the vehicle.

TABLE OF CONTENTS

Before Installing	3
Installation Instructions	4
Wiring Diagram with an Amplifier	5
Wiring Diagram without an Amplifier	6
Radio Wire Reference Chart	7
Module Diagnostics	8
Troubleshooting Table	9

NEED HELP?

1 866 427-2999

maestro.support@idatalink.com

BEFORE INSTALLING P1 /1

STEP 1

DETERMINE IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

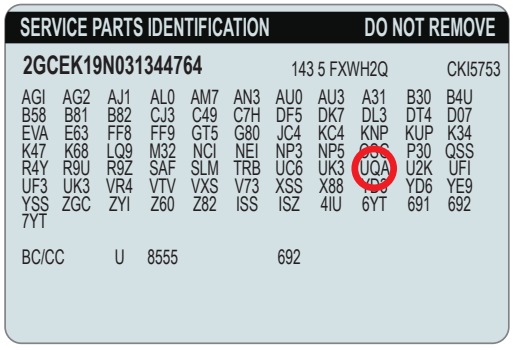
METHOD 1: Look for the following logos in the vehicle. They are usually on the speaker covers or on the radio unit. If you find any of the following logos Bose, Pioneer or Monsoon, you have a factory amplifier.

BOSE

Pioneer

MONSOON

METHOD 2: Look for the following sticker in the glove box. This sticker will indicate all the Regular Production Option (RPO) codes. If you find any of the following codes UQA, UQS or UQG, you have a factory amplifier.



STEP 2

IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **with an amplifier** and read the "**AMPLIFIER ONLY**" note to determine if you should use rca's or level matching circuits.

IF YOUR VEHICLE NOT IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **without an amplifier**.

INSTALLATION INSTRUCTIONS P1/1

STEP 1

Remove the factory radio

If using head unit adapter (sold separately), connect HRR-GM2 harness to adapter and skip to step 2.

- Unbox the aftermarket radio and locate its main harness.
- Cut and remove the black 20 pin connector from the HRR-GM2 T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the HRR-GM2 T-harness and match the wire functions.

  Note: only connect purple/white wire to radio reverse input or module damage will occur.

STEP 2

- Connect the YELLOW 2 pin connector of the backup camera cable to the YELLOW connector (CAM 1) of the backup camera adapter. Connect GRAY connector of adapter to the vehicle backup camera harness.

STEP 3

- Connect the factory harness to the HRR-GM2 T-harness.
- Ensure that the RED 2 pin plugs are connected.
- Without AMP: Ensure that the WHITE 8 pin plugs are connected.
- With AMP: Connect the HRR-GM2 8 pin WHITE connectors to the AMP adapter.

STEP 4

- Connect HRR-GM2 2-pin black connector to black connector of OBDII extension harness.
- Plug the OBDII connector into the OBDII of the vehicle, under driver dash.

STEP 5

- Plug the harnesses into the aftermarket radio.
- Connect the backup camera RCA cable into the aftermarket radio.
- Plug the Data cable to the data port of the aftermarket radio.
- Insert the Audio cable into the iDatalink 3.5 mm audio jack of the aftermarket radio (if there is no iDatalink audio input, connect to AUX).

Note: On Pioneer radio, ensure that there is nothing plugged into the W/R port.

STEP 6

- Connect the ACC-SP1 speaker to Maestro module.
- Connect all the harnesses to the Maestro RR module then test your installation.

OnStar or warning chime adjust (Audio in vehicle speakers):

- Turn ignition (IGN) on
- Open driver's door

Select to adjust:

OnStar level - Press OnStar button.

Warning chime level - turn headlight switch to parking light position (not AUTO).

- Adjust volume using steering wheel volume up/down OR dimmer switch. If using dimmer switch, ensure headlight switch is NOT set to AUTO.

OnStar, turn signal, or warning chime adjust (Audio in GM5+ speaker):

- Find "OEM setup" menu in radio settings.

Under "Vehicle Features", select to adjust:

Onstar Volume - Level from 0-9

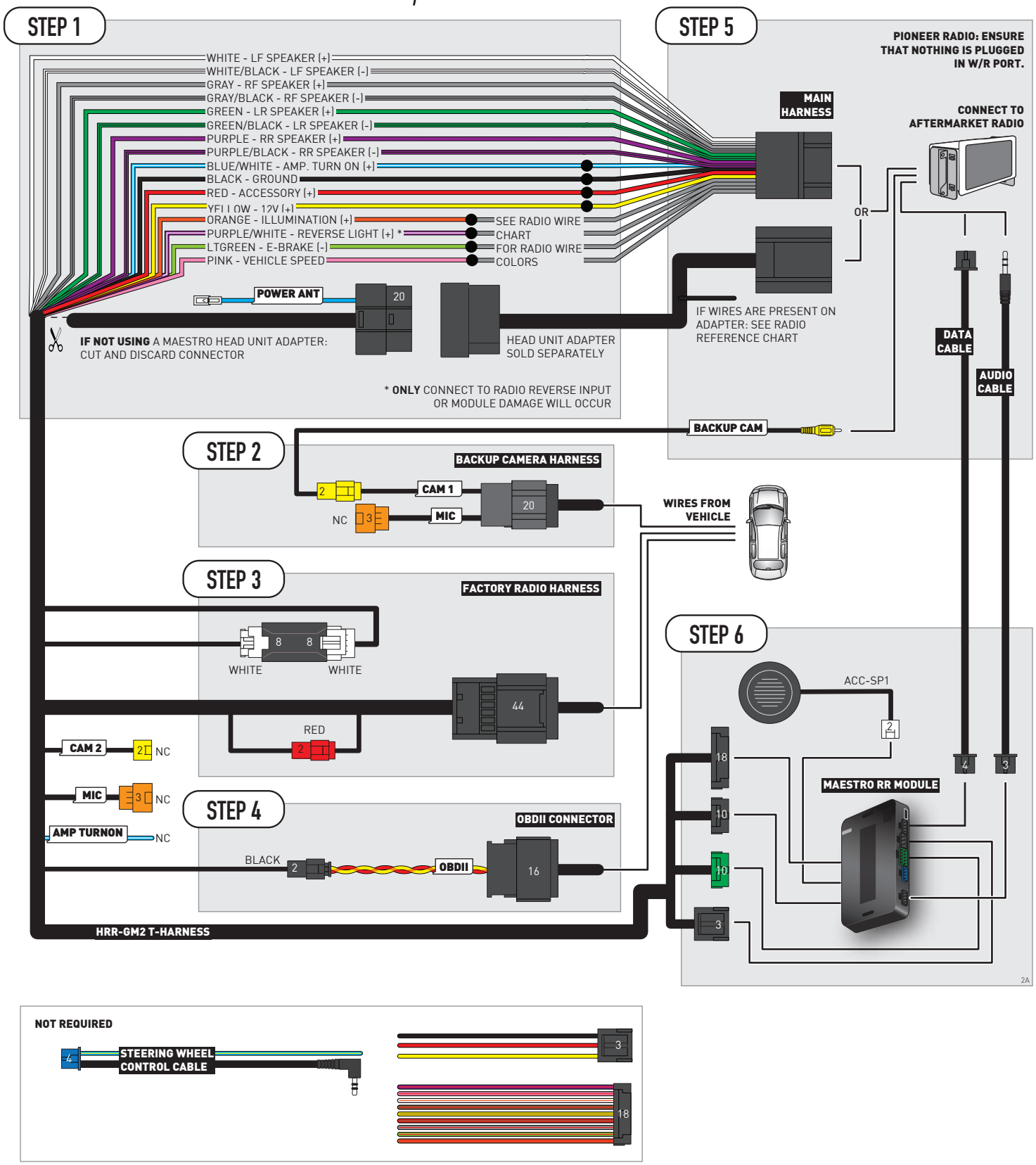
Chime Volume - Level from 0-9

Turn Signal Volume - 1-10

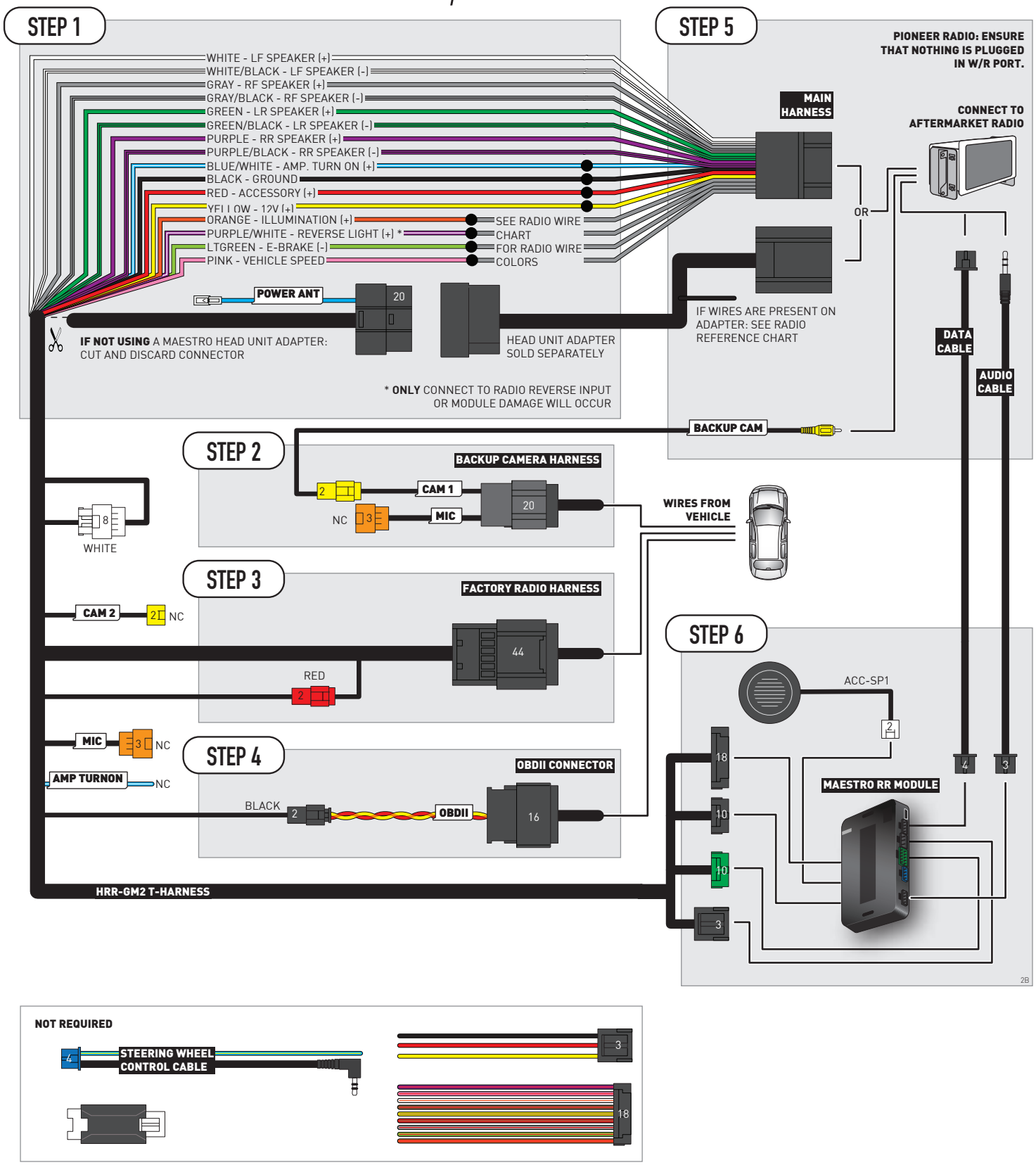
Turn Signal Reminder - Select "Click in speaker" for normal signal sounds. Select "Chime if left on" to only alert if turn signal is left on.

Automotive Data Solutions Inc. © 2023

WIRING DIAGRAM *with an Amplifier*



WIRING DIAGRAM *without an Amplifier*



RADIO WIRE REFERENCE CHART

GM5+ (GM2) T-harness Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/ JVC cable	Wire Color on Pioneer cable	Wire Color on Sony cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light*	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A
Power Antenna	(+)	Blue	Blue	Blue	Blue/White	Blue or Blue/White

Head unit adapter wiring (optional accessory, sold separately)

ACC-HU-ALP1 Wire Description	Polarity	Wire Color on Adapter	Alpine Radio
VSS (vehicle speed sensor)	(DATA)	Green/White	Green/White

ACC-HU-KEN1 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
CAM	(+)	Green/Red	Refer to camera/radio manual
CAM	(-)	Green/White	Refer to camera/radio manual
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

ACC-HU-KEN2 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
E-Brake	(-)	LtGreen	LtGreen
Reverse Light*	(+)	Purple/White	Purple/White
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

* Reverse light wire: Only connect to radio or module damage will occur.

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 (RR2) Bluetooth activity	LED STATUS	DIAGNOSTIC
● or ●		RED or GREEN flashing	LED flashes 1 or more times, either red or green, **when a steering wheel button is pressed** : normal operation.
●		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do NOT use DEMO MODE.
●		2 RED flashes	Problem detected. Consult troubleshooting table.
●		1 GREEN flash	After radio boots up : Normal operation.
	●	3 GREEN flashes	Bluetooth is activated. Turns off after one minute: Normal operation.
●	●	OFF	Normal operation (inactive).

VIDEO HELP		Installation, product information, vehicle specific videos.
VERIFY FLASH		Last flash information, steering control configuration, vehicle information.
WEBLINK		Software to program module.

TROUBLESHOOTING TABLE P1 /2

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure OBDII connector is securely attached to the OBD2 connector of the vehicle. If you hardwired connections at the OBDII, check connections at the OBDII connector. Make sure the **RED/BROWN** wire is on **PIN 6** and the **YELLOW/BROWN** wire is connected to **PIN 14** of the OBDII connector. Do not use T-Taps. Soldering or military splicing methods are recommended. If anything else is connected to the OBD2 or CAN wires of vehicle (programmer, throttle controller, insurance tracker, etc.) try unplugging it to see if gauges work. If gauges work without it installed, call tech support for options. Reset the RR.
No sound from Onstar or OEM Satellite (if equipped).	Make sure the audio cable is installed and inserted into the correct location on the radio.
Trying to use the OEM Satellite and get "Check Tuner" message.	In order to access the OEM Satellite you must go into the radio sources and look for the one that says "Satellite Radio". The SiriusXM source is not the same as the OEM Satellite source.
When listening to the OEM Satellite radio, the turn signals don't make the clicking noise, but they do in any other source.	This is normal. The audio for OEM Satellite radio and the turn signal clicks both come from the audio cable. The Maestro unit cannot process 2 different audio signals at the same time, so the OEM Satellite is priority.
There is no turn signal clicking noise.	Find OEM Setup in the radio settings. Under Vehicle Feature settings, look for Turn Signal Reminder. If it is set to "Chime If Left On", it will not click. If you wish to hear turn signal clicks, this setting must be set to "Click In Speaker".
No sound from the Bose system (If equipped).	Make sure the amplifier turn on wire (Blue/White) of the T-Harness is connected to the radio's amplifier turn on wire. When flashing the Maestro make sure that the Amplifier in OEM Systems to Retain is selected. Make sure the RCA's are connected to the radio or the speaker wires are connected depending on your installation method.
Vehicle had the Bose system and it was bypassed, now there are no chimes.	Remove the Maestro and reflash it, making sure you uncheck the Amplifier option in the OEM Systems section of the flash.
Audio is very quiet or very loud.	Non amplified vehicles: ensure the AMP adapter is NOT plugged in between the white 8 pin plugs. Amplified vehicles: ensure the AMP adapter IS plugged in between the white 8 pin plugs.
(Vehicle using a HRR-GM2 harness only) Backup camera is not working and displays a black screen on radio when in reverse.	Ensure the 2-pin yellow plug is connected as shown on the diagram.
The light on the Maestro is flashing **RED ONCE**.	There is no firmware on the module; flash the RR module.
The radio is **ON** and the light on the Maestro is blinking **RED TWICE**.	Ensure the 4-pin data cable is connected between the radio and the RR, and that it is plugged into the black port on the Maestro RR. The red and blue ports on the RR should be empty. Make sure the correct radio model and serial number were entered during the flash. Verify the radio's serial number entered during the flash matches what is listed on the radio screen. This can be found in the settings of the radio, listed as Device Id, Device Number, or Serial Number.
The light on the Maestro is blinking **RED TWICE** but radio **is NOT** turning on.	If installing a modular radio and it is not turning on, ensure the screen is secured and any trim pieces on the radio have been installed fully. Not installing these fully will prevent radio from powering up and show a 2x red error as well. Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.

TROUBLESHOOTING TABLE P2 /2

MAESTRO RR RESET PROCEDURE:

Turn the key to the OFF position, then disconnect all connectors from the module.
Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).
Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds to show the reset was successful.

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

IMPORTANT: To ensure proper operation, the aftermarket radio needs to have the latest firmware from the manufacturer. Please visit the radio manufacturer's website and look for any updates pertaining to your radio.

INSTALL GUIDE

2007-2011
GMC YUKON

RETAINS STEERING WHEEL CONTROLS, ONSTAR, BLUETOOTH, XM SATELLITE AND MORE!



PRODUCTS REQUIRED

iDatalink Maestro RR or RR2 Radio Replacement Interface
iDatalink Maestro HRR-GM5+ Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-GM05-DS

ADDITIONAL RESOURCES

Maestro RR2 Programmable Outputs Guide

OPTIONAL ACCESSORIES

K40 ELECTRONICS
ESCORT

Click here for:
Radar Installation Guides

ACC-SP1

HEAD UNIT ADAPTER:
ACC-HU-PIO1, SON1, KEN1, KEN2, ALP1

NOTICE: Automotive Data Solutions Inc. (ADS) recommends having this installation performed by a certified technician. Logos and trademarks used here in are the properties of their respective owners.

WELCOME

Congratulations on the purchase of your iDatalink Maestro RR Radio replacement solution. You are now a few simple steps away from enjoying your new car radio with enhanced features.

Before starting your installation, please ensure that your iDatalink Maestro module is programmed with the correct firmware for your vehicle and that you carefully review the install guide.

Please note that Maestro RR will only retain functionalities that were originally available in the vehicle.

TABLE OF CONTENTS

Before Installing	3
Installation Instructions	4
Wiring Diagram with an Amplifier	5
Wiring Diagram without an Amplifier	6
Radio Wire Reference Chart	7
Module Diagnostics	8
Troubleshooting Table	9

NEED HELP?

1 866 427-2999

maestro.support@idatalink.com

BEFORE INSTALLING P1 /1

STEP 1

DETERMINE IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

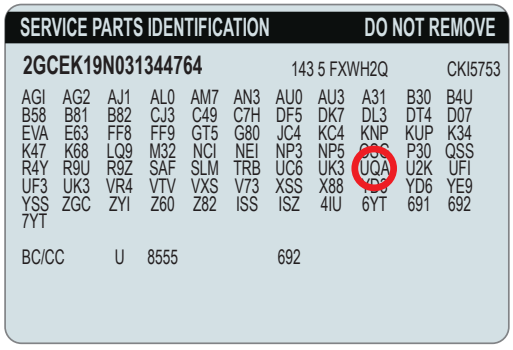
METHOD 1: Look for the following logos in the vehicle. They are usually on the speaker covers or on the radio unit. If you find any of the following logos Bose, Pioneer or Monsoon, you have a factory amplifier.

BOSE

Pioneer

MONSOON

METHOD 2: Look for the following sticker in the glove box. This sticker will indicate all the Regular Production Option (RPO) codes. If you find any of the following codes UQA, UQS or UQG, you have a factory amplifier.



STEP 2

IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **with an amplifier** and read the "**AMPLIFIER ONLY**" note to determine if you should use rca's or level matching circuits.

IF YOUR VEHICLE NOT IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **without an amplifier**.

Automotive Data Solutions Inc. © 2023

INSTALLATION INSTRUCTIONS P1/1

STEP 1

Remove the factory radio

If using head unit adapter (sold separately), connect HRR-GM5+ harness to adapter and skip to step 2.

- Unbox the aftermarket radio and locate its main harness.
- Cut and remove the black 20 pin connector from the HRR-GM5+ T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the HRR-GM5+ T-harness and match the wire functions.

  Note: only connect purple/white wire to radio reverse input or module damage will occur.

STEP 2

- Connect the factory harness to the HRR-GM5+ T-harness.
- Without AMP: Ensure that the WHITE 8 pin plugs are connected.
- With AMP: Connect the HRR-GM5+ 8 pin WHITE connectors to the AMP adapter.

STEP 3

- Connect HRR-GM5+ 2-pin black connector to black connector of OBDII extension harness.
- Plug the OBDII connector into the OBDII of the vehicle, under driver dash.

STEP 4

- Plug the harnesses into the aftermarket radio.
- Connect the backup camera RCA cable into the aftermarket radio.
- With AMP: Connect the Center and SUB RCA cables.
- Plug the Data cable to the data port of the aftermarket radio.
- Insert the Audio cable into the iDatalink 3.5 mm audio jack of the aftermarket radio (if there is no iDatalink audio input, connect to AUX).

  Note: On Pioneer radio, ensure that there is nothing plugged into the W/R port.

STEP 5

- Connect the ACC-SP1 speaker to Maestro module.
- Connect all the harnesses to the Maestro RR module then test your installation.

OnStar or warning chime adjust (Audio in vehicle speakers):

- Turn ignition (IGN) on
- Open driver's door

Select to adjust:

OnStar level - Press OnStar button.

Warning chime level - turn headlight switch to parking light position (not AUTO).

- Adjust volume using steering wheel volume up/down OR dimmer switch. If using dimmer switch, ensure headlight switch is NOT set to AUTO.

OnStar, turn signal, or warning chime adjust (Audio in GM5+ speaker):

- Find "OEM setup" menu in radio settings.

Under "Vehicle Features", select to adjust:

Onstar Volume - Level from 0-9

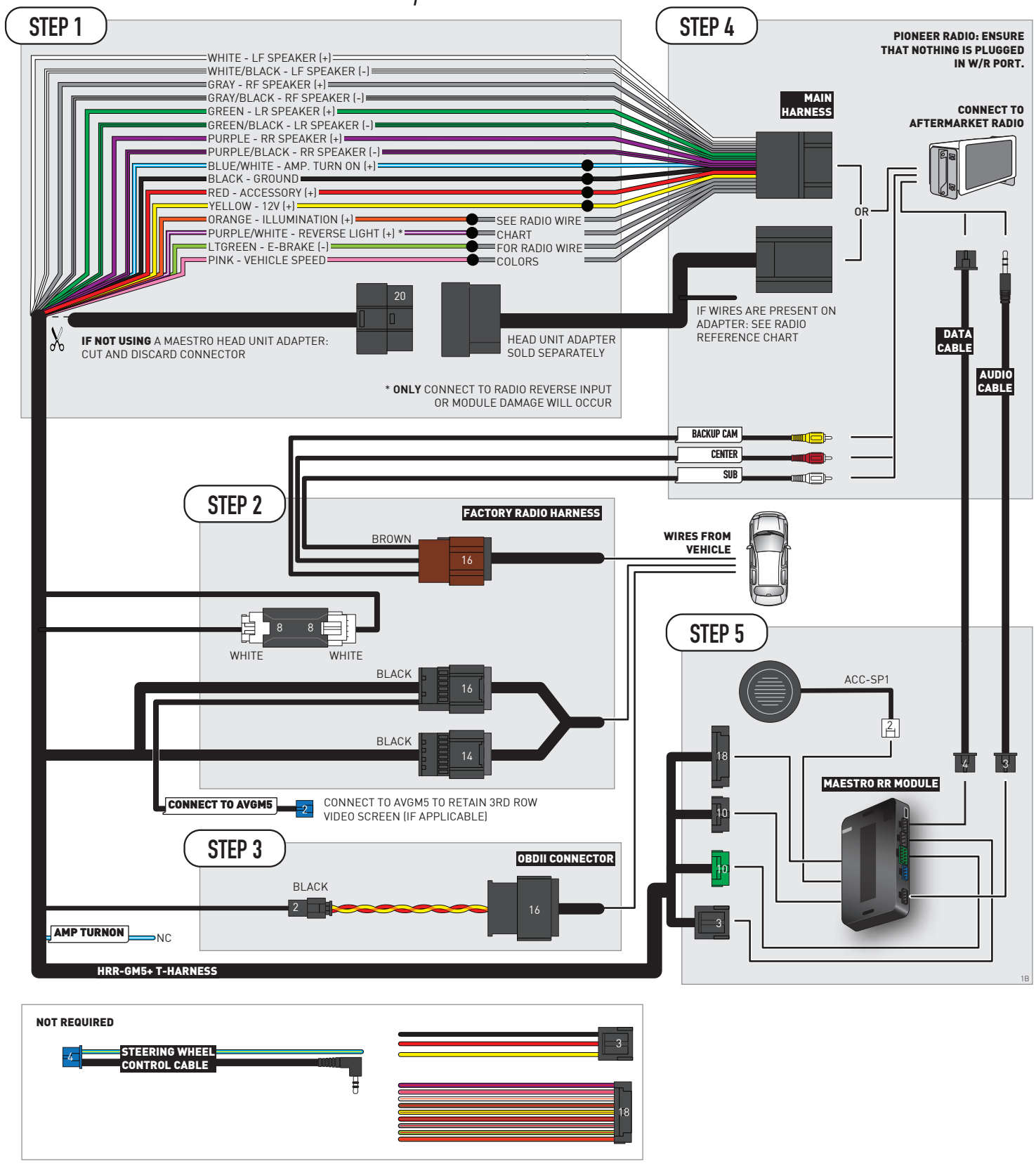
Chime Volume - Level from 0-9

Turn Signal Volume - 1-10

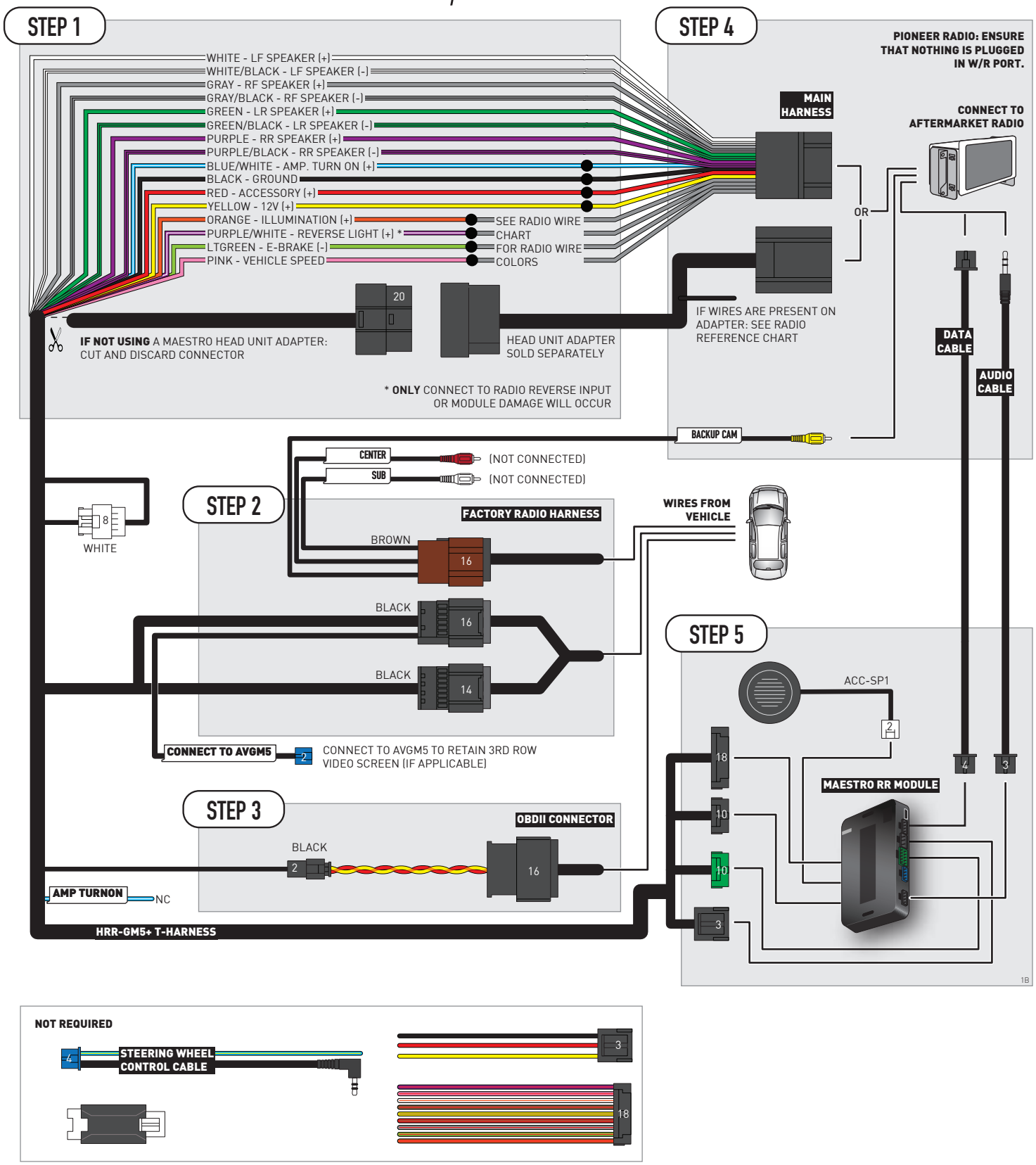
Turn Signal Reminder - Select "Click in speaker" for normal signal sounds. Select "Chime if left on" to only alert if turn signal is left on.

Automotive Data Solutions Inc. © 2023

WIRING DIAGRAM *with an Amplifier*



WIRING DIAGRAM *without an Amplifier*



RADIO WIRE REFERENCE CHART

GM5+ (GM2) T-harness Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/ JVC cable	Wire Color on Pioneer cable	Wire Color on Sony cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light*	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A
Power Antenna	(+)	Blue	Blue	Blue	Blue/White	Blue or Blue/White

Head unit adapter wiring (optional accessory, sold separately)

ACC-HU-ALP1 Wire Description	Polarity	Wire Color on Adapter	Alpine Radio
VSS (vehicle speed sensor)	(DATA)	Green/White	Green/White

ACC-HU-KEN1 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
CAM	(+)	Green/Red	Refer to camera/radio manual
CAM	(-)	Green/White	Refer to camera/radio manual
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

ACC-HU-KEN2 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
E-Brake	(-)	LtGreen	LtGreen
Reverse Light*	(+)	Purple/White	Purple/White
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

* Reverse light wire: Only connect to radio or module damage will occur.

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 (RR2) Bluetooth activity	LED STATUS	DIAGNOSTIC
● or ●		RED or GREEN flashing	LED flashes 1 or more times, either red or green, **when a steering wheel button is pressed** : normal operation.
●		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do NOT use DEMO MODE.
●		2 RED flashes	Problem detected. Consult troubleshooting table.
●		1 GREEN flash	After radio boots up : Normal operation.
	●	3 GREEN flashes	Bluetooth is activated. Turns off after one minute: Normal operation.
●	●	OFF	Normal operation (inactive).

VIDEO HELP		Installation, product information, vehicle specific videos.
VERIFY FLASH		Last flash information, steering control configuration, vehicle information.
WEBLINK		Software to program module.

TROUBLESHOOTING TABLE P1 /2

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure OBDII connector is securely attached to the OBD2 connector of the vehicle. If you hardwired connections at the OBDII, check connections at the OBDII connector. Make sure the **RED/BROWN** wire is on **PIN 6** and the **YELLOW/BROWN** wire is connected to **PIN 14** of the OBDII connector. Do not use T-Taps. Soldering or military splicing methods are recommended. If anything else is connected to the OBD2 or CAN wires of vehicle (programmer, throttle controller, insurance tracker, etc.) try unplugging it to see if gauges work. If gauges work without it installed, call tech support for options. Reset the RR.
No sound from Onstar or OEM Satellite (if equipped).	Make sure the audio cable is installed and inserted into the correct location on the radio.
Trying to use the OEM Satellite and get "Check Tuner" message.	In order to access the OEM Satellite you must go into the radio sources and look for the one that says "Satellite Radio". The SiriusXM source is not the same as the OEM Satellite source.
When listening to the OEM Satellite radio, the turn signals don't make the clicking noise, but they do in any other source.	This is normal. The audio for OEM Satellite radio and the turn signal clicks both come from the audio cable. The Maestro unit cannot process 2 different audio signals at the same time, so the OEM Satellite is priority.
There is no turn signal clicking noise.	Find OEM Setup in the radio settings. Under Vehicle Feature settings, look for Turn Signal Reminder. If it is set to "Chime If Left On", it will not click. If you wish to hear turn signal clicks, this setting must be set to "Click In Speaker".
No sound from the Bose system (If equipped).	Make sure the amplifier turn on wire (Blue/White) of the T-Harness is connected to the radio's amplifier turn on wire. When flashing the Maestro make sure that the Amplifier in OEM Systems to Retain is selected. Make sure the RCA's are connected to the radio or the speaker wires are connected depending on your installation method.
Vehicle had the Bose system and it was bypassed, now there are no chimes.	Remove the Maestro and reflash it, making sure you uncheck the Amplifier option in the OEM Systems section of the flash.
Audio is very quiet or very loud.	Non amplified vehicles: ensure the AMP adapter is NOT plugged in between the white 8 pin plugs. Amplified vehicles: ensure the AMP adapter IS plugged in between the white 8 pin plugs.
(Vehicle using a HRR-GM2 harness only) Backup camera is not working and displays a black screen on radio when in reverse.	Ensure the 2-pin yellow plug is connected as shown on the diagram.
The light on the Maestro is flashing **RED ONCE**.	There is no firmware on the module; flash the RR module.
The radio is **ON** and the light on the Maestro is blinking **RED TWICE**.	Ensure the 4-pin data cable is connected between the radio and the RR, and that it is plugged into the black port on the Maestro RR. The red and blue ports on the RR should be empty. Make sure the correct radio model and serial number were entered during the flash. Verify the radio's serial number entered during the flash matches what is listed on the radio screen. This can be found in the settings of the radio, listed as Device Id, Device Number, or Serial Number.
The light on the Maestro is blinking **RED TWICE** but radio **is NOT** turning on.	If installing a modular radio and it is not turning on, ensure the screen is secured and any trim pieces on the radio have been installed fully. Not installing these fully will prevent radio from powering up and show a 2x red error as well. Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.

TROUBLESHOOTING TABLE P2 /2

MAESTRO RR RESET PROCEDURE:

Turn the key to the OFF position, then disconnect all connectors from the module.
Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).
Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds to show the reset was successful.

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

IMPORTANT: To ensure proper operation, the aftermarket radio needs to have the latest firmware from the manufacturer. Please visit the radio manufacturer's website and look for any updates pertaining to your radio.

INSTALL GUIDE

2012-2014
GMC YUKON
WITH NAV

RETAINS STEERING WHEEL CONTROLS, ONSTAR, BLUETOOTH, XM SATELLITE AND MORE!



PRODUITS REQUIS
Interface de remplacement d'autoradio: iDatalink Maestro RR ou RR2
Câblage : iDatalink Maestro HRR-GM2

PROGRAMMED FIRMWARE
ADS-RR(SR)-GM05-DS

ADDITIONAL RESOURCES
Maestro RR2 Programmable Outputs Guide

OPTIONAL ACCESSORIES
K40 ELECTRONICS
ESCORT
ACC-SP1

Click here for:
Radar Installation Guides

HEAD UNIT ADAPTER:
ACC-HU-PIO1, SON1, KEN1, KEN2, ALP1

NOTICE: Automotive Data Solutions Inc. (ADS) recommends having this installation performed by a certified technician. Logos and trademarks used here in are the properties of their respective owners.

WELCOME

Congratulations on the purchase of your iDatalink Maestro RR Radio replacement solution. You are now a few simple steps away from enjoying your new car radio with enhanced features.

Before starting your installation, please ensure that your iDatalink Maestro module is programmed with the correct firmware for your vehicle and that you carefully review the install guide.

Please note that Maestro RR will only retain functionalities that were originally available in the vehicle.

TABLE OF CONTENTS

Before Installing	3
Installation Instructions	4
Wiring Diagram with an Amplifier	5
Wiring Diagram without an Amplifier	6
Radio Wire Reference Chart	7
Module Diagnostics	8
Troubleshooting Table	9

NEED HELP?

1 866 427-2999

maestro.support@idatalink.com

BEFORE INSTALLING P1 /1

STEP 1

DETERMINE IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

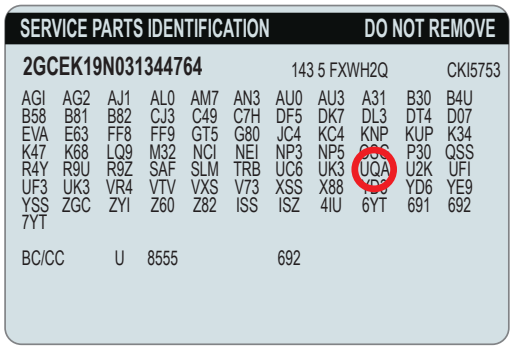
METHOD 1: Look for the following logos in the vehicle. They are usually on the speaker covers or on the radio unit. If you find any of the following logos Bose, Pioneer or Monsoon, you have a factory amplifier.

BOSE

Pioneer

MONSOON

METHOD 2: Look for the following sticker in the glove box. This sticker will indicate all the Regular Production Option (RPO) codes. If you find any of the following codes UQA, UQS or UQG, you have a factory amplifier.



STEP 2

IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **with an amplifier** and read the "**AMPLIFIER ONLY**" note to determine if you should use rca's or level matching circuits.

IF YOUR VEHICLE NOT IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **without an amplifier**.

INSTALLATION INSTRUCTIONS P1/1

STEP 1

Remove the factory radio

If using head unit adapter (sold separately), connect HRR-GM2 harness to adapter and skip to step 2.

- Unbox the aftermarket radio and locate its main harness.
- Cut and remove the black 20 pin connector from the HRR-GM2 T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the HRR-GM2 T-harness and match the wire functions.

  Note: only connect purple/white wire to radio reverse input or module damage will occur.

STEP 2

- Connect the YELLOW 2 pin connector of the backup camera cable to the YELLOW connector (CAM 1) of the backup camera adapter. Connect GRAY connector of adapter to the vehicle backup camera harness.

STEP 3

- Connect the factory harness to the HRR-GM2 T-harness.
- Ensure that the RED 2 pin plugs are connected.
- Without AMP: Ensure that the WHITE 8 pin plugs are connected.
- With AMP: Connect the HRR-GM2 8 pin WHITE connectors to the AMP adapter.

STEP 4

- Connect HRR-GM2 2-pin black connector to black connector of OBDII extension harness.
- Plug the OBDII connector into the OBDII of the vehicle, under driver dash.

STEP 5

- Plug the harnesses into the aftermarket radio.
- Connect the backup camera RCA cable into the aftermarket radio.
- Plug the Data cable to the data port of the aftermarket radio.
- Insert the Audio cable into the iDatalink 3.5 mm audio jack of the aftermarket radio (if there is no iDatalink audio input, connect to AUX).

Note: On Pioneer radio, ensure that there is nothing plugged into the W/R port.

STEP 6

- Connect the ACC-SP1 speaker to Maestro module.
- Connect all the harnesses to the Maestro RR module then test your installation.

OnStar or warning chime adjust (Audio in vehicle speakers):

- Turn ignition (IGN) on
- Open driver's door

Select to adjust:

OnStar level - Press OnStar button.

Warning chime level - turn headlight switch to parking light position (not AUTO).

- Adjust volume using steering wheel volume up/down OR dimmer switch. If using dimmer switch, ensure headlight switch is NOT set to AUTO.

OnStar, turn signal, or warning chime adjust (Audio in GM5+ speaker):

- Find "OEM setup" menu in radio settings.

Under "Vehicle Features", select to adjust:

Onstar Volume - Level from 0-9

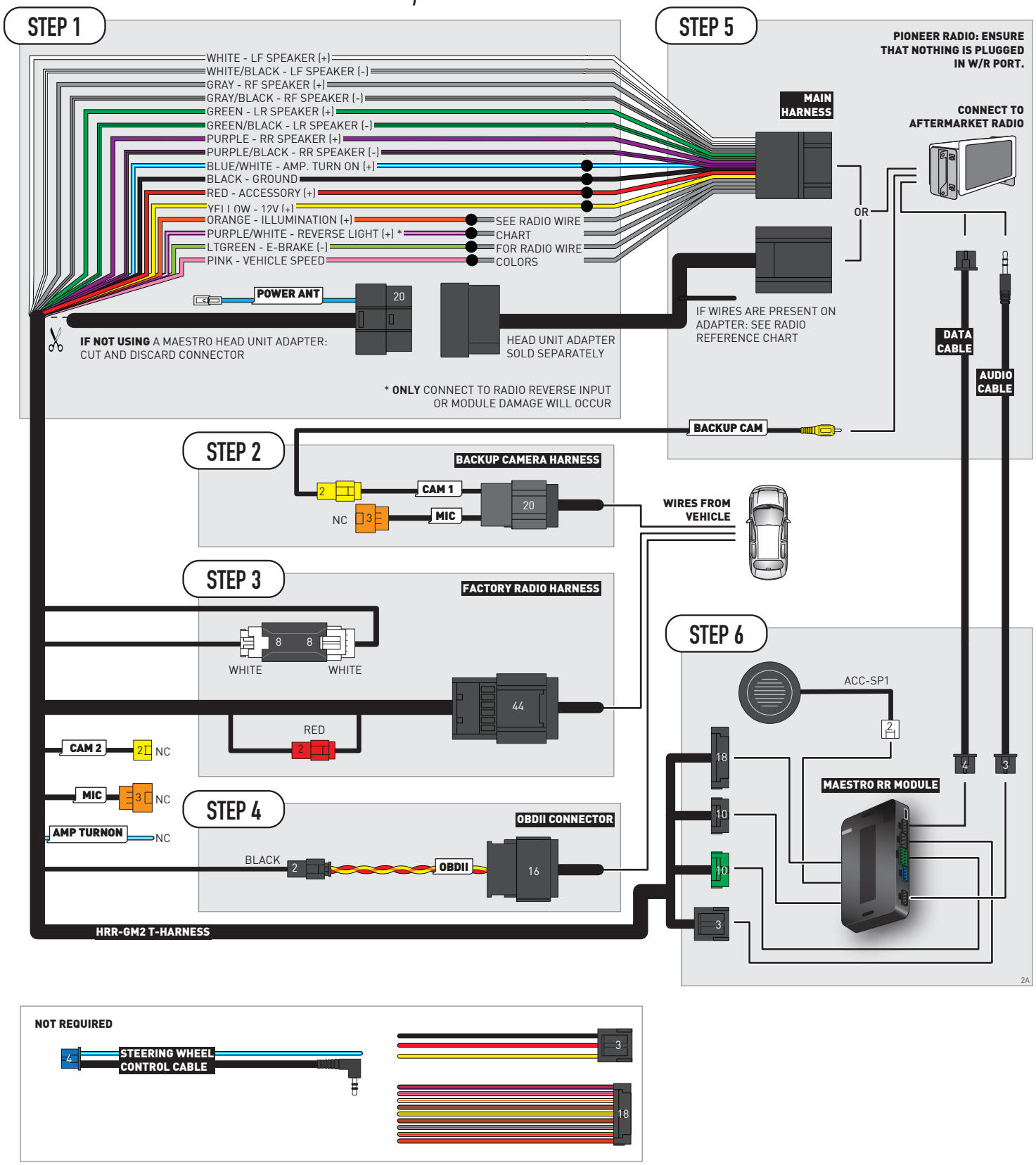
Chime Volume - Level from 0-9

Turn Signal Volume - 1-10

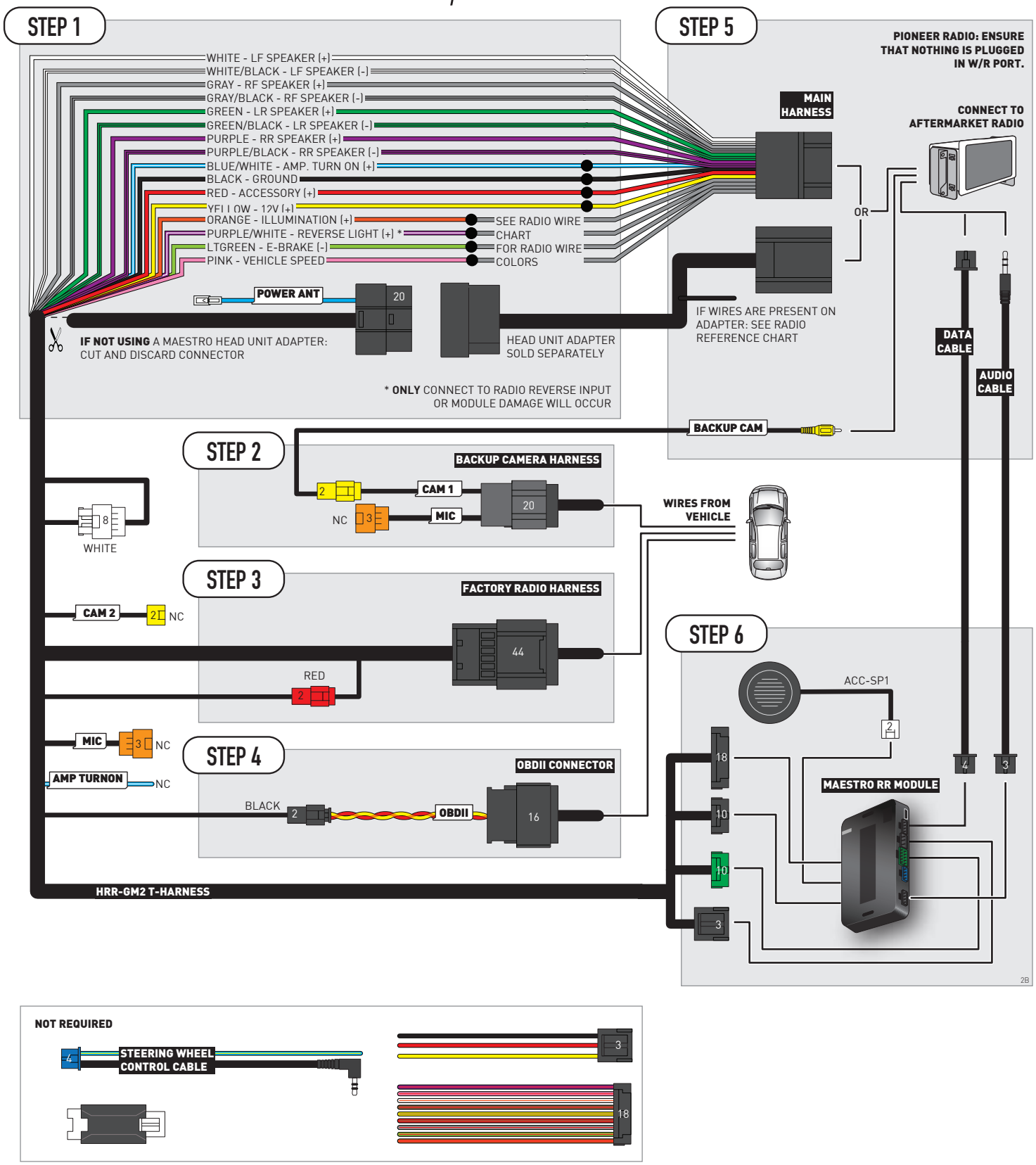
Turn Signal Reminder - Select "Click in speaker" for normal signal sounds. Select "Chime if left on" to only alert if turn signal is left on.

Automotive Data Solutions Inc. © 2023

WIRING DIAGRAM *with an Amplifier*



WIRING DIAGRAM *without an Amplifier*



RADIO WIRE REFERENCE CHART

GM5+ (GM2) T-harness Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/ JVC cable	Wire Color on Pioneer cable	Wire Color on Sony cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light*	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A
Power Antenna	(+)	Blue	Blue	Blue	Blue/White	Blue or Blue/White

Head unit adapter wiring (optional accessory, sold separately)

ACC-HU-ALP1 Wire Description	Polarity	Wire Color on Adapter	Alpine Radio
VSS (vehicle speed sensor)	(DATA)	Green/White	Green/White

ACC-HU-KEN1 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
CAM	(+)	Green/Red	Refer to camera/radio manual
CAM	(-)	Green/White	Refer to camera/radio manual
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

ACC-HU-KEN2 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
E-Brake	(-)	LtGreen	LtGreen
Reverse Light*	(+)	Purple/White	Purple/White
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

* Reverse light wire: Only connect to radio or module damage will occur.

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 (RR2) Bluetooth activity	LED STATUS	DIAGNOSTIC
● or ●		RED or GREEN flashing	LED flashes 1 or more times, either red or green, **when a steering wheel button is pressed** : normal operation.
●		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do NOT use DEMO MODE.
●		2 RED flashes	Problem detected. Consult troubleshooting table.
●		1 GREEN flash	After radio boots up : Normal operation.
	●	3 GREEN flashes	Bluetooth is activated. Turns off after one minute: Normal operation.
●	●	OFF	Normal operation (inactive).

VIDEO HELP		Installation, product information, vehicle specific videos.
VERIFY FLASH		Last flash information, steering control configuration, vehicle information.
WEBLINK		Software to program module.

TROUBLESHOOTING TABLE P1 /2

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure OBDII connector is securely attached to the OBD2 connector of the vehicle. If you hardwired connections at the OBDII, check connections at the OBDII connector. Make sure the **RED/BROWN** wire is on **PIN 6** and the **YELLOW/BROWN** wire is connected to **PIN 14** of the OBDII connector. Do not use T-Taps. Soldering or military splicing methods are recommended. If anything else is connected to the OBD2 or CAN wires of vehicle (programmer, throttle controller, insurance tracker, etc.) try unplugging it to see if gauges work. If gauges work without it installed, call tech support for options. Reset the RR.
No sound from Onstar or OEM Satellite (if equipped).	Make sure the audio cable is installed and inserted into the correct location on the radio.
Trying to use the OEM Satellite and get "Check Tuner" message.	In order to access the OEM Satellite you must go into the radio sources and look for the one that says "Satellite Radio". The SiriusXM source is not the same as the OEM Satellite source.
When listening to the OEM Satellite radio, the turn signals don't make the clicking noise, but they do in any other source.	This is normal. The audio for OEM Satellite radio and the turn signal clicks both come from the audio cable. The Maestro unit cannot process 2 different audio signals at the same time, so the OEM Satellite is priority.
There is no turn signal clicking noise.	Find OEM Setup in the radio settings. Under Vehicle Feature settings, look for Turn Signal Reminder. If it is set to "Chime If Left On", it will not click. If you wish to hear turn signal clicks, this setting must be set to "Click In Speaker".
No sound from the Bose system (If equipped).	Make sure the amplifier turn on wire (Blue/White) of the T-Harness is connected to the radio's amplifier turn on wire. When flashing the Maestro make sure that the Amplifier in OEM Systems to Retain is selected. Make sure the RCA's are connected to the radio or the speaker wires are connected depending on your installation method.
Vehicle had the Bose system and it was bypassed, now there are no chimes.	Remove the Maestro and reflash it, making sure you uncheck the Amplifier option in the OEM Systems section of the flash.
Audio is very quiet or very loud.	Non amplified vehicles: ensure the AMP adapter is NOT plugged in between the white 8 pin plugs. Amplified vehicles: ensure the AMP adapter IS plugged in between the white 8 pin plugs.
(Vehicle using a HRR-GM2 harness only) Backup camera is not working and displays a black screen on radio when in reverse.	Ensure the 2-pin yellow plug is connected as shown on the diagram.
The light on the Maestro is flashing **RED ONCE**.	There is no firmware on the module; flash the RR module.
The radio is **ON** and the light on the Maestro is blinking **RED TWICE**.	Ensure the 4-pin data cable is connected between the radio and the RR, and that it is plugged into the black port on the Maestro RR. The red and blue ports on the RR should be empty. Make sure the correct radio model and serial number were entered during the flash. Verify the radio's serial number entered during the flash matches what is listed on the radio screen. This can be found in the settings of the radio, listed as Device Id, Device Number, or Serial Number.
The light on the Maestro is blinking **RED TWICE** but radio **is NOT** turning on.	If installing a modular radio and it is not turning on, ensure the screen is secured and any trim pieces on the radio have been installed fully. Not installing these fully will prevent radio from powering up and show a 2x red error as well. Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.

TROUBLESHOOTING TABLE P2 /2

MAESTRO RR RESET PROCEDURE:

Turn the key to the OFF position, then disconnect all connectors from the module.
Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).
Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds to show the reset was successful.

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

IMPORTANT: To ensure proper operation, the aftermarket radio needs to have the latest firmware from the manufacturer. Please visit the radio manufacturer's website and look for any updates pertaining to your radio.

INSTALL GUIDE

2007-2011
GMC YUKON XL

RETAINS STEERING WHEEL CONTROLS, ONSTAR, BLUETOOTH, XM SATELLITE AND MORE!



PRODUCTS REQUIRED

iDatalink Maestro RR or RR2 Radio Replacement Interface
iDatalink Maestro HRR-GM5+ Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-GM05-DS

ADDITIONAL RESOURCES

Maestro RR2 Programmable Outputs Guide

OPTIONAL ACCESSORIES

K40 ELECTRONICS
ESCORT

Click here for:
Radar Installation Guides

ACC-SP1

HEAD UNIT ADAPTER:
ACC-HU-PIO1, SON1, KEN1, KEN2, ALP1

NOTICE: Automotive Data Solutions Inc. (ADS) recommends having this installation performed by a certified technician. Logos and trademarks used here in are the properties of their respective owners.

WELCOME

Congratulations on the purchase of your iDatalink Maestro RR Radio replacement solution. You are now a few simple steps away from enjoying your new car radio with enhanced features.

Before starting your installation, please ensure that your iDatalink Maestro module is programmed with the correct firmware for your vehicle and that you carefully review the install guide.

Please note that Maestro RR will only retain functionalities that were originally available in the vehicle.

TABLE OF CONTENTS

Before Installing	3
Installation Instructions	4
Wiring Diagram with an Amplifier	5
Wiring Diagram without an Amplifier	6
Radio Wire Reference Chart	7
Module Diagnostics	8
Troubleshooting Table	9

NEED HELP?

1 866 427-2999

maestro.support@idatalink.com

BEFORE INSTALLING P1 /1

STEP 1

DETERMINE IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

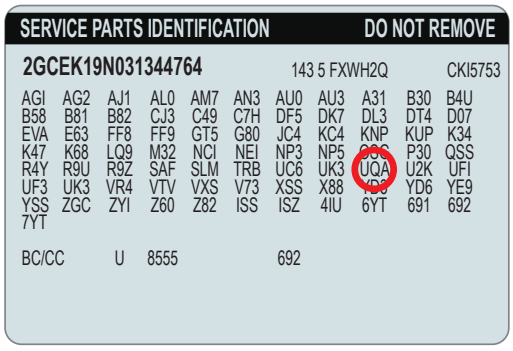
METHOD 1: Look for the following logos in the vehicle. They are usually on the speaker covers or on the radio unit. If you find any of the following logos Bose, Pioneer or Monsoon, you have a factory amplifier.

BOSE

Pioneer

MONSOON

METHOD 2: Look for the following sticker in the glove box. This sticker will indicate all the Regular Production Option (RPO) codes. If you find any of the following codes UQA, UQS or UQG, you have a factory amplifier.



STEP 2

IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **with an amplifier** and read the "**AMPLIFIER ONLY**" note to determine if you should use rca's or level matching circuits.

IF YOUR VEHICLE NOT IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **without an amplifier**.

Automotive Data Solutions Inc. © 2023

INSTALLATION INSTRUCTIONS P1/1

STEP 1

Remove the factory radio

If using head unit adapter (sold separately), connect HRR-GM5+ harness to adapter and skip to step 2.

- Unbox the aftermarket radio and locate its main harness.
- Cut and remove the black 20 pin connector from the HRR-GM5+ T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the HRR-GM5+ T-harness and match the wire functions.

  Note: only connect purple/white wire to radio reverse input or module damage will occur.

STEP 2

- Connect the factory harness to the HRR-GM5+ T-harness.
- Without AMP: Ensure that the WHITE 8 pin plugs are connected.
- With AMP: Connect the HRR-GM5+ 8 pin WHITE connectors to the AMP adapter.

STEP 3

- Connect HRR-GM5+ 2-pin black connector to black connector of OBDII extension harness.
- Plug the OBDII connector into the OBDII of the vehicle, under driver dash.

STEP 4

- Plug the harnesses into the aftermarket radio.
- Connect the backup camera RCA cable into the aftermarket radio.
- With AMP: Connect the Center and SUB RCA cables.
- Plug the Data cable to the data port of the aftermarket radio.
- Insert the Audio cable into the iDatalink 3.5 mm audio jack of the aftermarket radio (if there is no iDatalink audio input, connect to AUX).

  Note: On Pioneer radio, ensure that there is nothing plugged into the W/R port.

STEP 5

- Connect the ACC-SP1 speaker to Maestro module.
- Connect all the harnesses to the Maestro RR module then test your installation.

OnStar or warning chime adjust (Audio in vehicle speakers):

- Turn ignition (IGN) on
- Open driver's door

Select to adjust:

OnStar level - Press OnStar button.

Warning chime level - turn headlight switch to parking light position (not AUTO).

- Adjust volume using steering wheel volume up/down OR dimmer switch. If using dimmer switch, ensure headlight switch is NOT set to AUTO.

OnStar, turn signal, or warning chime adjust (Audio in GM5+ speaker):

- Find "OEM setup" menu in radio settings.

Under "Vehicle Features", select to adjust:

Onstar Volume - Level from 0-9

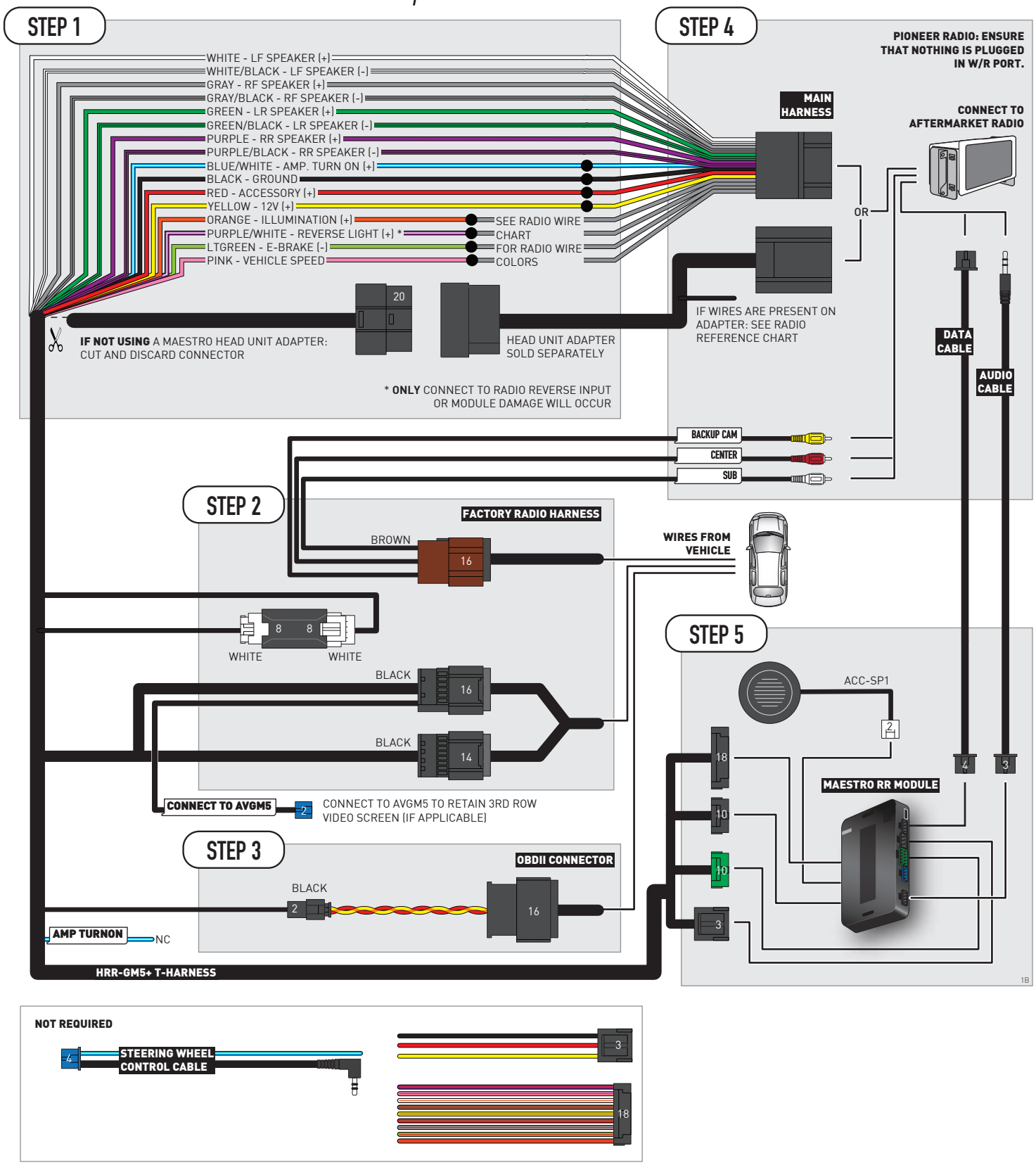
Chime Volume - Level from 0-9

Turn Signal Volume - 1-10

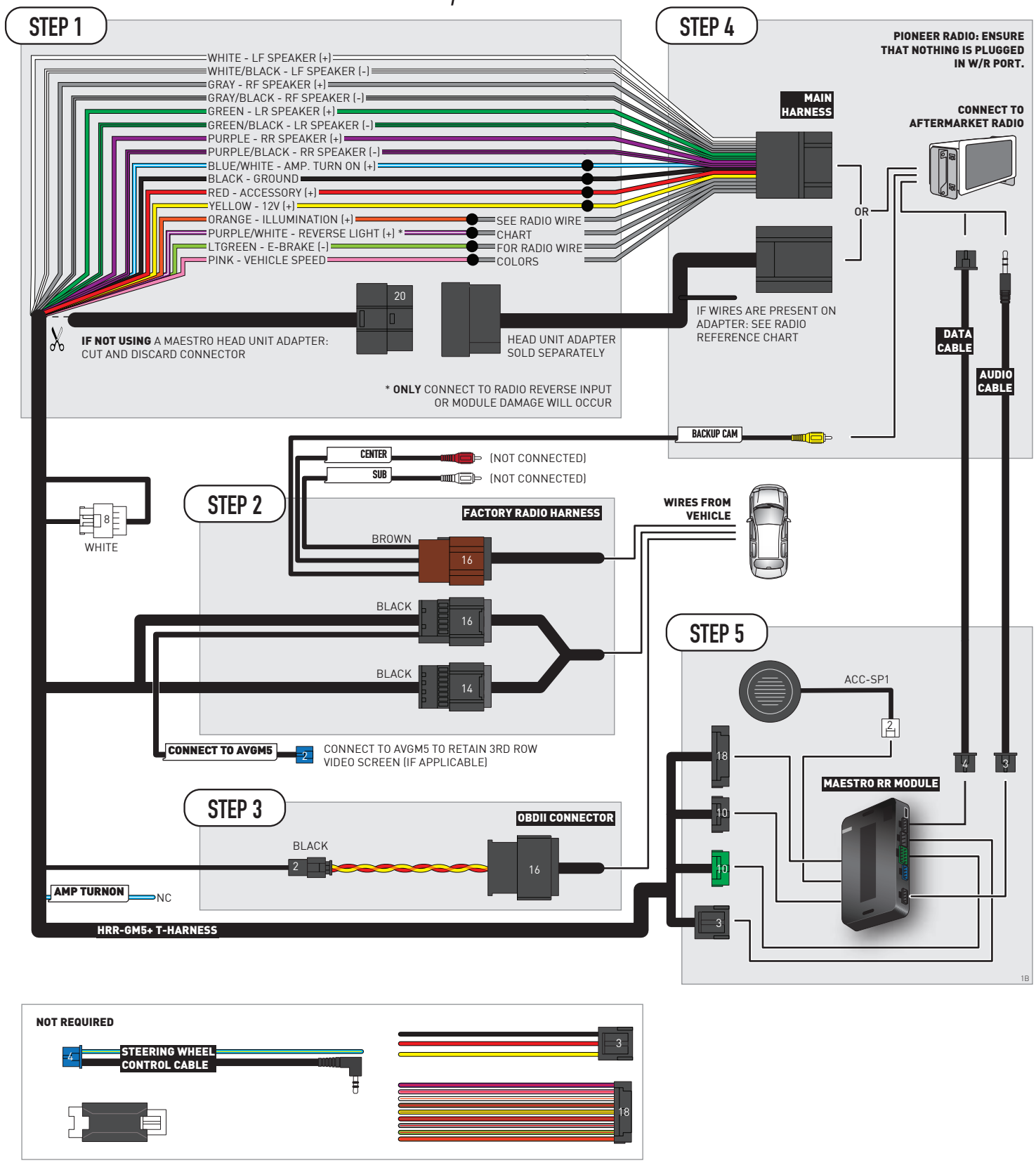
Turn Signal Reminder - Select "Click in speaker" for normal signal sounds. Select "Chime if left on" to only alert if turn signal is left on.

Automotive Data Solutions Inc. © 2023

WIRING DIAGRAM *with an Amplifier*



WIRING DIAGRAM *without an Amplifier*



RADIO WIRE REFERENCE CHART

GM5+ (GM2) T-harness Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/ JVC cable	Wire Color on Pioneer cable	Wire Color on Sony cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light*	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A
Power Antenna	(+)	Blue	Blue	Blue	Blue/White	Blue or Blue/White

Head unit adapter wiring (optional accessory, sold separately)

ACC-HU-ALP1 Wire Description	Polarity	Wire Color on Adapter	Alpine Radio
VSS (vehicle speed sensor)	(DATA)	Green/White	Green/White

ACC-HU-KEN1 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
CAM	(+)	Green/Red	Refer to camera/radio manual
CAM	(-)	Green/White	Refer to camera/radio manual
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

ACC-HU-KEN2 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
E-Brake	(-)	LtGreen	LtGreen
Reverse Light*	(+)	Purple/White	Purple/White
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

* Reverse light wire: Only connect to radio or module damage will occur.

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 (RR2) Bluetooth activity	LED STATUS	DIAGNOSTIC
● or ●		RED or GREEN flashing	LED flashes 1 or more times, either red or green, **when a steering wheel button is pressed** : normal operation.
●		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do NOT use DEMO MODE.
●		2 RED flashes	Problem detected. Consult troubleshooting table.
●		1 GREEN flash	After radio boots up : Normal operation.
	●	3 GREEN flashes	Bluetooth is activated. Turns off after one minute: Normal operation.
●	●	OFF	Normal operation (inactive).

VIDEO HELP		Installation, product information, vehicle specific videos.
VERIFY FLASH		Last flash information, steering control configuration, vehicle information.
WEBLINK		Software to program module.

TROUBLESHOOTING TABLE P1 /2

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure OBDII connector is securely attached to the OBD2 connector of the vehicle. If you hardwired connections at the OBDII, check connections at the OBDII connector. Make sure the **RED/BROWN** wire is on **PIN 6** and the **YELLOW/BROWN** wire is connected to **PIN 14** of the OBDII connector. Do not use T-Taps. Soldering or military splicing methods are recommended. If anything else is connected to the OBD2 or CAN wires of vehicle (programmer, throttle controller, insurance tracker, etc.) try unplugging it to see if gauges work. If gauges work without it installed, call tech support for options. Reset the RR.
No sound from Onstar or OEM Satellite (if equipped).	Make sure the audio cable is installed and inserted into the correct location on the radio.
Trying to use the OEM Satellite and get "Check Tuner" message.	In order to access the OEM Satellite you must go into the radio sources and look for the one that says "Satellite Radio". The SiriusXM source is not the same as the OEM Satellite source.
When listening to the OEM Satellite radio, the turn signals don't make the clicking noise, but they do in any other source.	This is normal. The audio for OEM Satellite radio and the turn signal clicks both come from the audio cable. The Maestro unit cannot process 2 different audio signals at the same time, so the OEM Satellite is priority.
There is no turn signal clicking noise.	Find OEM Setup in the radio settings. Under Vehicle Feature settings, look for Turn Signal Reminder. If it is set to "Chime If Left On", it will not click. If you wish to hear turn signal clicks, this setting must be set to "Click In Speaker".
No sound from the Bose system (If equipped).	Make sure the amplifier turn on wire (Blue/White) of the T-Harness is connected to the radio's amplifier turn on wire. When flashing the Maestro make sure that the Amplifier in OEM Systems to Retain is selected. Make sure the RCA's are connected to the radio or the speaker wires are connected depending on your installation method.
Vehicle had the Bose system and it was bypassed, now there are no chimes.	Remove the Maestro and reflash it, making sure you uncheck the Amplifier option in the OEM Systems section of the flash.
Audio is very quiet or very loud.	Non amplified vehicles: ensure the AMP adapter is NOT plugged in between the white 8 pin plugs. Amplified vehicles: ensure the AMP adapter IS plugged in between the white 8 pin plugs.
(Vehicle using a HRR-GM2 harness only) Backup camera is not working and displays a black screen on radio when in reverse.	Ensure the 2-pin yellow plug is connected as shown on the diagram.
The light on the Maestro is flashing **RED ONCE**.	There is no firmware on the module; flash the RR module.
The radio is **ON** and the light on the Maestro is blinking **RED TWICE**.	Ensure the 4-pin data cable is connected between the radio and the RR, and that it is plugged into the black port on the Maestro RR. The red and blue ports on the RR should be empty. Make sure the correct radio model and serial number were entered during the flash. Verify the radio's serial number entered during the flash matches what is listed on the radio screen. This can be found in the settings of the radio, listed as Device Id, Device Number, or Serial Number.
The light on the Maestro is blinking **RED TWICE** but radio **is NOT** turning on.	If installing a modular radio and it is not turning on, ensure the screen is secured and any trim pieces on the radio have been installed fully. Not installing these fully will prevent radio from powering up and show a 2x red error as well. Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.

TROUBLESHOOTING TABLE P2 /2

MAESTRO RR RESET PROCEDURE:

Turn the key to the OFF position, then disconnect all connectors from the module.
Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).
Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds to show the reset was successful.

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

IMPORTANT: To ensure proper operation, the aftermarket radio needs to have the latest firmware from the manufacturer. Please visit the radio manufacturer's website and look for any updates pertaining to your radio.

INSTALL GUIDE

2012-2014
GMC YUKON XL
WITH NAV

RETAINS STEERING WHEEL CONTROLS, ONSTAR, BLUETOOTH, XM SATELLITE AND MORE!



PRODUITS REQUIS
Interface de remplacement d'autoradio: iDatalink Maestro RR ou RR2
Câblage : iDatalink Maestro HRR-GM2

PROGRAMMED FIRMWARE
ADS-RR(SR)-GM05-DS

ADDITIONAL RESOURCES
Maestro RR2 Programmable Outputs Guide

OPTIONAL ACCESSORIES
K40 ELECTRONICS
ESCORT
ACC-SP1

Click here for:
Radar Installation Guides

HEAD UNIT ADAPTER:
ACC-HU-PIO1, SON1, KEN1, KEN2, ALP1

NOTICE: Automotive Data Solutions Inc. (ADS) recommends having this installation performed by a certified technician. Logos and trademarks used here in are the properties of their respective owners.

WELCOME

Congratulations on the purchase of your iDatalink Maestro RR Radio replacement solution. You are now a few simple steps away from enjoying your new car radio with enhanced features.

Before starting your installation, please ensure that your iDatalink Maestro module is programmed with the correct firmware for your vehicle and that you carefully review the install guide.

Please note that Maestro RR will only retain functionalities that were originally available in the vehicle.

TABLE OF CONTENTS

Before Installing	3
Installation Instructions	4
Wiring Diagram with an Amplifier	5
Wiring Diagram without an Amplifier	6
Radio Wire Reference Chart	7
Module Diagnostics	8
Troubleshooting Table	9

NEED HELP?

1 866 427-2999

maestro.support@idatalink.com

BEFORE INSTALLING P1 /1

STEP 1

DETERMINE IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

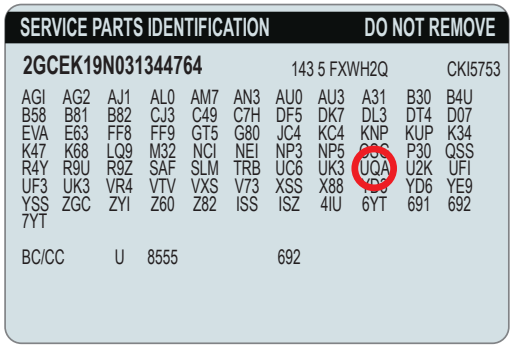
METHOD 1: Look for the following logos in the vehicle. They are usually on the speaker covers or on the radio unit. If you find any of the following logos Bose, Pioneer or Monsoon, you have a factory amplifier.

BOSE

Pioneer

MONSOON

METHOD 2: Look for the following sticker in the glove box. This sticker will indicate all the Regular Production Option (RPO) codes. If you find any of the following codes UQA, UQS or UQG, you have a factory amplifier.


SERVICE PARTS IDENTIFICATION DO NOT REMOVE

2GCEK19N031344764 143 5 FXWH2Q CKI5753

AGI	AG2	AJ1	AL0	AM7	AN3	AU0	AU3	A31	B30	B4U
B58	B81	B82	CJ3	C49	C7H	DF5	DK7	DL3	DT4	D07
EVA	E63	FF8	FF9	GT5	G80	JC4	KC4	KNP	KUP	K34
K47	K68	LQ9	M32	NCI	NEI	NP3	NP5	QQS	P30	QSS
R4Y	R9U	R9Z	SAF	SLM	TRB	UC6	UK3	UQA	U2K	UFI
UF3	UK3	VR4	VTV	VXS	V73	XSS	X88	YD5	YD6	YE9
YSS	ZGC	ZYI	Z60	Z82	ISS	ISZ	4IU	6YT	691	692
7YT										

BC/CC U 8555 692

STEP 2

IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **with an amplifier** and read the "**AMPLIFIER ONLY**" note to determine if you should use rca's or level matching circuits.

IF YOUR VEHICLE NOT IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **without an amplifier**.

Automotive Data Solutions Inc. © 2023

INSTALLATION INSTRUCTIONS P1/1

STEP 1

Remove the factory radio

If using head unit adapter (sold separately), connect HRR-GM2 harness to adapter and skip to step 2.

- Unbox the aftermarket radio and locate its main harness.
- Cut and remove the black 20 pin connector from the HRR-GM2 T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the HRR-GM2 T-harness and match the wire functions.

Note: only connect purple/white wire to radio reverse input or module damage will occur.

STEP 2

- Connect the YELLOW 2 pin connector of the backup camera cable to the YELLOW connector (CAM 1) of the backup camera adapter. Connect GRAY connector of adapter to the vehicle backup camera harness.

STEP 3

- Connect the factory harness to the HRR-GM2 T-harness.
- Ensure that the RED 2 pin plugs are connected.
- Without AMP: Ensure that the WHITE 8 pin plugs are connected.
- With AMP: Connect the HRR-GM2 8 pin WHITE connectors to the AMP adapter.

STEP 4

- Connect HRR-GM2 2-pin black connector to black connector of OBDII extension harness.
- Plug the OBDII connector into the OBDII of the vehicle, under driver dash.

STEP 5

- Plug the harnesses into the aftermarket radio.
- Connect the backup camera RCA cable into the aftermarket radio.
- Plug the Data cable to the data port of the aftermarket radio.
- Insert the Audio cable into the iDatalink 3.5 mm audio jack of the aftermarket radio (if there is no iDatalink audio input, connect to AUX).

Note: On Pioneer radio, ensure that there is nothing plugged into the W/R port.

STEP 6

- Connect the ACC-SP1 speaker to Maestro module.
- Connect all the harnesses to the Maestro RR module then test your installation.

OnStar or warning chime adjust (Audio in vehicle speakers):

- Turn ignition (IGN) on
- Open driver's door

Select to adjust:

OnStar level - Press OnStar button.

Warning chime level - turn headlight switch to parking light position (not AUTO).

- Adjust volume using steering wheel volume up/down OR dimmer switch. If using dimmer switch, ensure headlight switch is NOT set to AUTO.

OnStar, turn signal, or warning chime adjust (Audio in GM5+ speaker):

- Find "OEM setup" menu in radio settings.

Under "Vehicle Features", select to adjust:

Onstar Volume - Level from 0-9

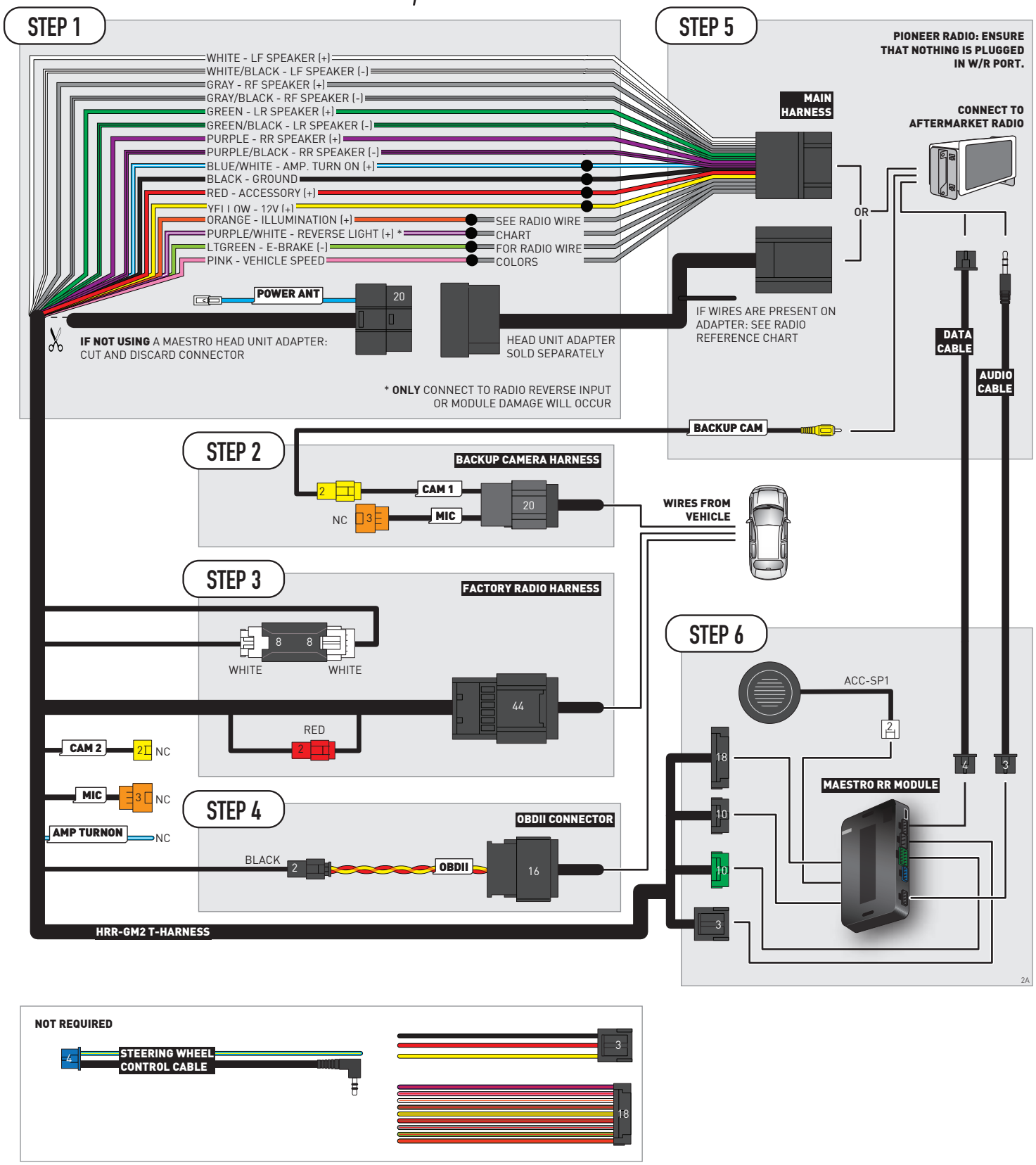
Chime Volume - Level from 0-9

Turn Signal Volume - 1-10

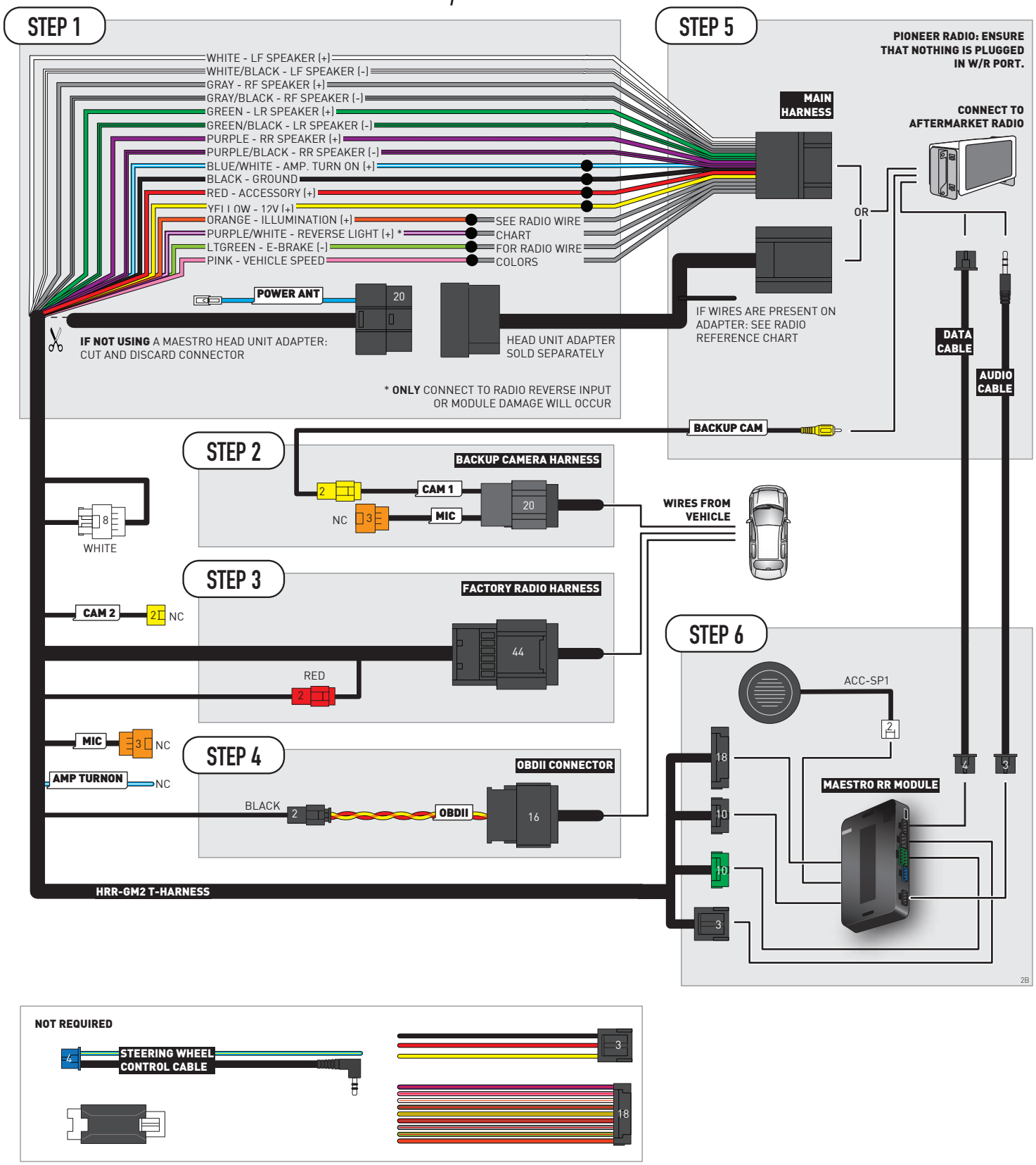
Turn Signal Reminder - Select "Click in speaker" for normal signal sounds. Select "Chime if left on" to only alert if turn signal is left on.

Automotive Data Solutions Inc. © 2023

WIRING DIAGRAM *with an Amplifier*



WIRING DIAGRAM *without an Amplifier*



RADIO WIRE REFERENCE CHART

GM5+ (GM2) T-harness Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/ JVC cable	Wire Color on Pioneer cable	Wire Color on Sony cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light*	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A
Power Antenna	(+)	Blue	Blue	Blue	Blue/White	Blue or Blue/White

Head unit adapter wiring (optional accessory, sold separately)

ACC-HU-ALP1 Wire Description	Polarity	Wire Color on Adapter	Alpine Radio
VSS (vehicle speed sensor)	(DATA)	Green/White	Green/White

ACC-HU-KEN1 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
CAM	(+)	Green/Red	Refer to camera/radio manual
CAM	(-)	Green/White	Refer to camera/radio manual
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

ACC-HU-KEN2 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
E-Brake	(-)	LtGreen	LtGreen
Reverse Light*	(+)	Purple/White	Purple/White
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

* Reverse light wire: Only connect to radio or module damage will occur.

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 (RR2) Bluetooth activity	LED STATUS	DIAGNOSTIC
● or ●		RED or GREEN flashing	LED flashes 1 or more times, either red or green, **when a steering wheel button is pressed** : normal operation.
●		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do NOT use DEMO MODE.
●		2 RED flashes	Problem detected. Consult troubleshooting table.
●		1 GREEN flash	After radio boots up : Normal operation.
	●	3 GREEN flashes	Bluetooth is activated. Turns off after one minute: Normal operation.
●	●	OFF	Normal operation (inactive).

VIDEO HELP		Installation, product information, vehicle specific videos.
VERIFY FLASH		Last flash information, steering control configuration, vehicle information.
WEBLINK		Software to program module.

TROUBLESHOOTING TABLE P1 /2

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure OBDII connector is securely attached to the OBD2 connector of the vehicle. If you hardwired connections at the OBDII, check connections at the OBDII connector. Make sure the **RED/BROWN** wire is on **PIN 6** and the **YELLOW/BROWN** wire is connected to **PIN 14** of the OBDII connector. Do not use T-Taps. Soldering or military splicing methods are recommended. If anything else is connected to the OBD2 or CAN wires of vehicle (programmer, throttle controller, insurance tracker, etc.) try unplugging it to see if gauges work. If gauges work without it installed, call tech support for options. Reset the RR.
No sound from Onstar or OEM Satellite (if equipped).	Make sure the audio cable is installed and inserted into the correct location on the radio.
Trying to use the OEM Satellite and get "Check Tuner" message.	In order to access the OEM Satellite you must go into the radio sources and look for the one that says "Satellite Radio". The SiriusXM source is not the same as the OEM Satellite source.
When listening to the OEM Satellite radio, the turn signals don't make the clicking noise, but they do in any other source.	This is normal. The audio for OEM Satellite radio and the turn signal clicks both come from the audio cable. The Maestro unit cannot process 2 different audio signals at the same time, so the OEM Satellite is priority.
There is no turn signal clicking noise.	Find OEM Setup in the radio settings. Under Vehicle Feature settings, look for Turn Signal Reminder. If it is set to "Chime If Left On", it will not click. If you wish to hear turn signal clicks, this setting must be set to "Click In Speaker".
No sound from the Bose system (If equipped).	Make sure the amplifier turn on wire (Blue/White) of the T-Harness is connected to the radio's amplifier turn on wire. When flashing the Maestro make sure that the Amplifier in OEM Systems to Retain is selected. Make sure the RCA's are connected to the radio or the speaker wires are connected depending on your installation method.
Vehicle had the Bose system and it was bypassed, now there are no chimes.	Remove the Maestro and reflash it, making sure you uncheck the Amplifier option in the OEM Systems section of the flash.
Audio is very quiet or very loud.	Non amplified vehicles: ensure the AMP adapter is NOT plugged in between the white 8 pin plugs. Amplified vehicles: ensure the AMP adapter IS plugged in between the white 8 pin plugs.
(Vehicle using a HRR-GM2 harness only) Backup camera is not working and displays a black screen on radio when in reverse.	Ensure the 2-pin yellow plug is connected as shown on the diagram.
The light on the Maestro is flashing **RED ONCE**.	There is no firmware on the module; flash the RR module.
The radio is **ON** and the light on the Maestro is blinking **RED TWICE**.	Ensure the 4-pin data cable is connected between the radio and the RR, and that it is plugged into the black port on the Maestro RR. The red and blue ports on the RR should be empty. Make sure the correct radio model and serial number were entered during the flash. Verify the radio's serial number entered during the flash matches what is listed on the radio screen. This can be found in the settings of the radio, listed as Device Id, Device Number, or Serial Number.
The light on the Maestro is blinking **RED TWICE** but radio **is NOT** turning on.	If installing a modular radio and it is not turning on, ensure the screen is secured and any trim pieces on the radio have been installed fully. Not installing these fully will prevent radio from powering up and show a 2x red error as well. Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.

TROUBLESHOOTING TABLE P2 /2

MAESTRO RR RESET PROCEDURE:

Turn the key to the OFF position, then disconnect all connectors from the module.
Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).
Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds to show the reset was successful.

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

IMPORTANT: To ensure proper operation, the aftermarket radio needs to have the latest firmware from the manufacturer. Please visit the radio manufacturer's website and look for any updates pertaining to your radio.

INSTALL GUIDE

2012-2014
GMC YUKON XL
WITHOUT NAV

RETAINS STEERING WHEEL CONTROLS, ONSTAR, BLUETOOTH, XM SATELLITE AND MORE!



PRODUCTS REQUIRED

iDatalink Maestro RR or RR2 Radio Replacement Interface
iDatalink Maestro HRR-GM5+ Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-GM05-DS

ADDITIONAL RESOURCES

Maestro RR2 Programmable Outputs Guide

OPTIONAL ACCESSORIES

K40 ELECTRONICS
ESCORT

Click here for:
Radar Installation Guides

ACC-SP1

HEAD UNIT ADAPTER:
ACC-HU-PIO1, SON1, KEN1, KEN2, ALP1

NOTICE: Automotive Data Solutions Inc. (ADS) recommends having this installation performed by a certified technician. Logos and trademarks used here in are the properties of their respective owners.

WELCOME

Congratulations on the purchase of your iDatalink Maestro RR Radio replacement solution. You are now a few simple steps away from enjoying your new car radio with enhanced features.

Before starting your installation, please ensure that your iDatalink Maestro module is programmed with the correct firmware for your vehicle and that you carefully review the install guide.

Please note that Maestro RR will only retain functionalities that were originally available in the vehicle.

TABLE OF CONTENTS

Before Installing	3
Installation Instructions	4
Wiring Diagram with an Amplifier	5
Wiring Diagram without an Amplifier	6
Radio Wire Reference Chart	7
Module Diagnostics	8
Troubleshooting Table	9

NEED HELP?

1 866 427-2999

maestro.support@idatalink.com

BEFORE INSTALLING P1 /1

STEP 1

DETERMINE IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

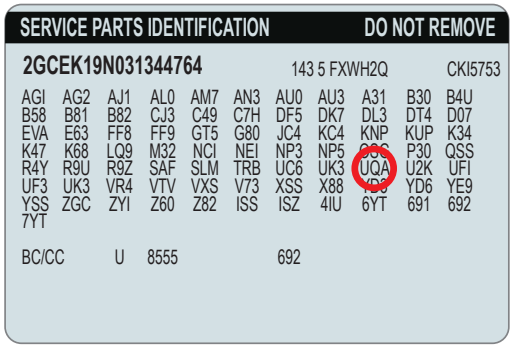
METHOD 1: Look for the following logos in the vehicle. They are usually on the speaker covers or on the radio unit. If you find any of the following logos Bose, Pioneer or Monsoon, you have a factory amplifier.

BOSE

Pioneer

MONSOON

METHOD 2: Look for the following sticker in the glove box. This sticker will indicate all the Regular Production Option (RPO) codes. If you find any of the following codes UQA, UQS or UQG, you have a factory amplifier.



STEP 2

IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **with an amplifier** and read the "**AMPLIFIER ONLY**" note to determine if you should use rca's or level matching circuits.

IF YOUR VEHICLE NOT IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **without an amplifier**.

Automotive Data Solutions Inc. © 2023

INSTALLATION INSTRUCTIONS P1/1

STEP 1

Remove the factory radio

If using head unit adapter (sold separately), connect HRR-GM5+ harness to adapter and skip to step 2.

- Unbox the aftermarket radio and locate its main harness.
- Cut and remove the black 20 pin connector from the HRR-GM5+ T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the HRR-GM5+ T-harness and match the wire functions.

  Note: only connect purple/white wire to radio reverse input or module damage will occur.

STEP 2

- Connect the factory harness to the HRR-GM5+ T-harness.
- Without AMP: Ensure that the WHITE 8 pin plugs are connected.
- With AMP: Connect the HRR-GM5+ 8 pin WHITE connectors to the AMP adapter.

STEP 3

- Connect HRR-GM5+ 2-pin black connector to black connector of OBDII extension harness.
- Plug the OBDII connector into the OBDII of the vehicle, under driver dash.

STEP 4

- Plug the harnesses into the aftermarket radio.
- Connect the backup camera RCA cable into the aftermarket radio.
- With AMP: Connect the Center and SUB RCA cables.
- Plug the Data cable to the data port of the aftermarket radio.
- Insert the Audio cable into the iDatalink 3.5 mm audio jack of the aftermarket radio (if there is no iDatalink audio input, connect to AUX).

  Note: On Pioneer radio, ensure that there is nothing plugged into the W/R port.

STEP 5

- Connect the ACC-SP1 speaker to Maestro module.
- Connect all the harnesses to the Maestro RR module then test your installation.

OnStar or warning chime adjust (Audio in vehicle speakers):

- Turn ignition (IGN) on
- Open driver's door

Select to adjust:

OnStar level - Press OnStar button.

Warning chime level - turn headlight switch to parking light position (not AUTO).

- Adjust volume using steering wheel volume up/down OR dimmer switch. If using dimmer switch, ensure headlight switch is NOT set to AUTO.

OnStar, turn signal, or warning chime adjust (Audio in GM5+ speaker):

- Find "OEM setup" menu in radio settings.

Under "Vehicle Features", select to adjust:

Onstar Volume - Level from 0-9

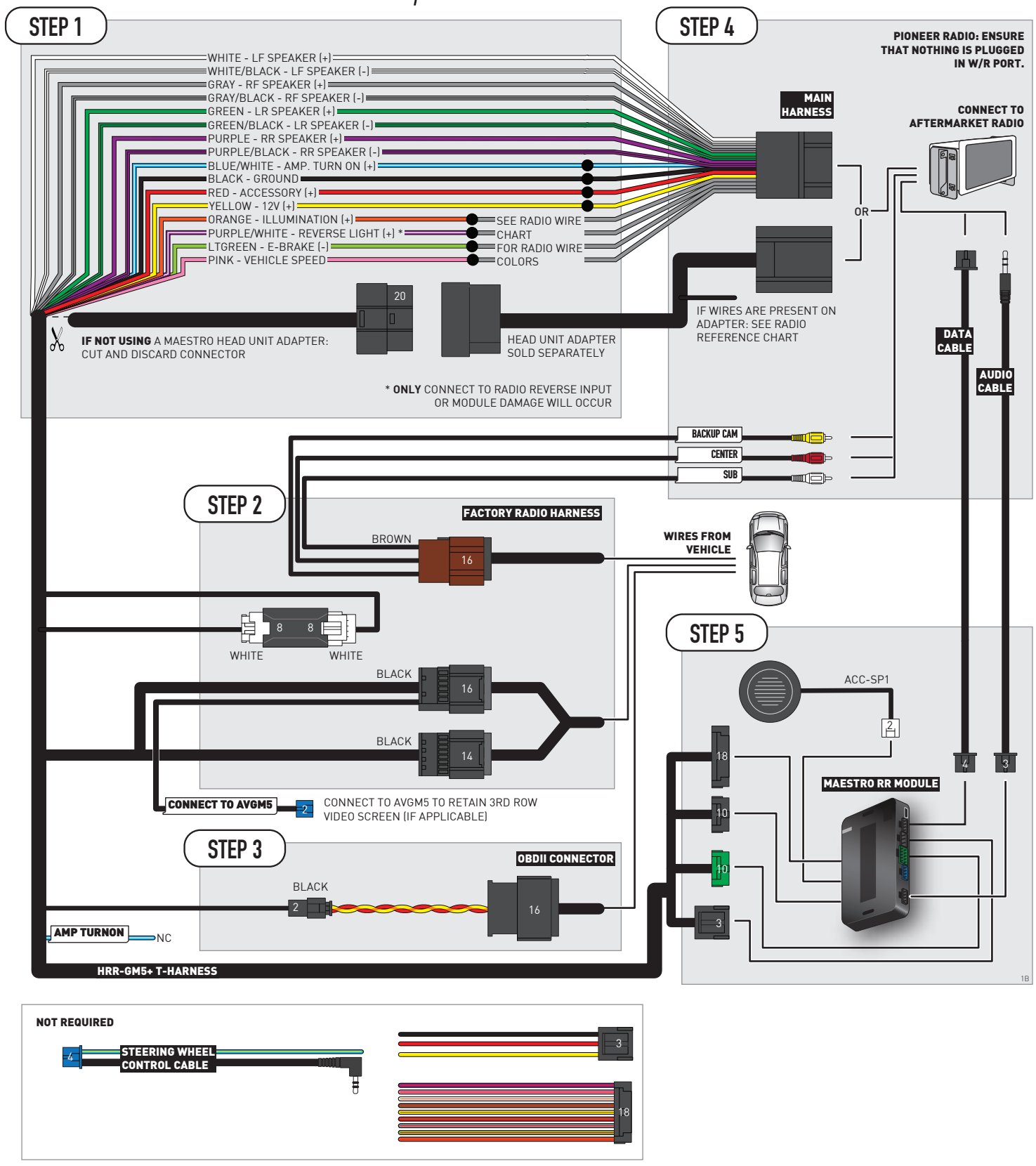
Chime Volume - Level from 0-9

Turn Signal Volume - 1-10

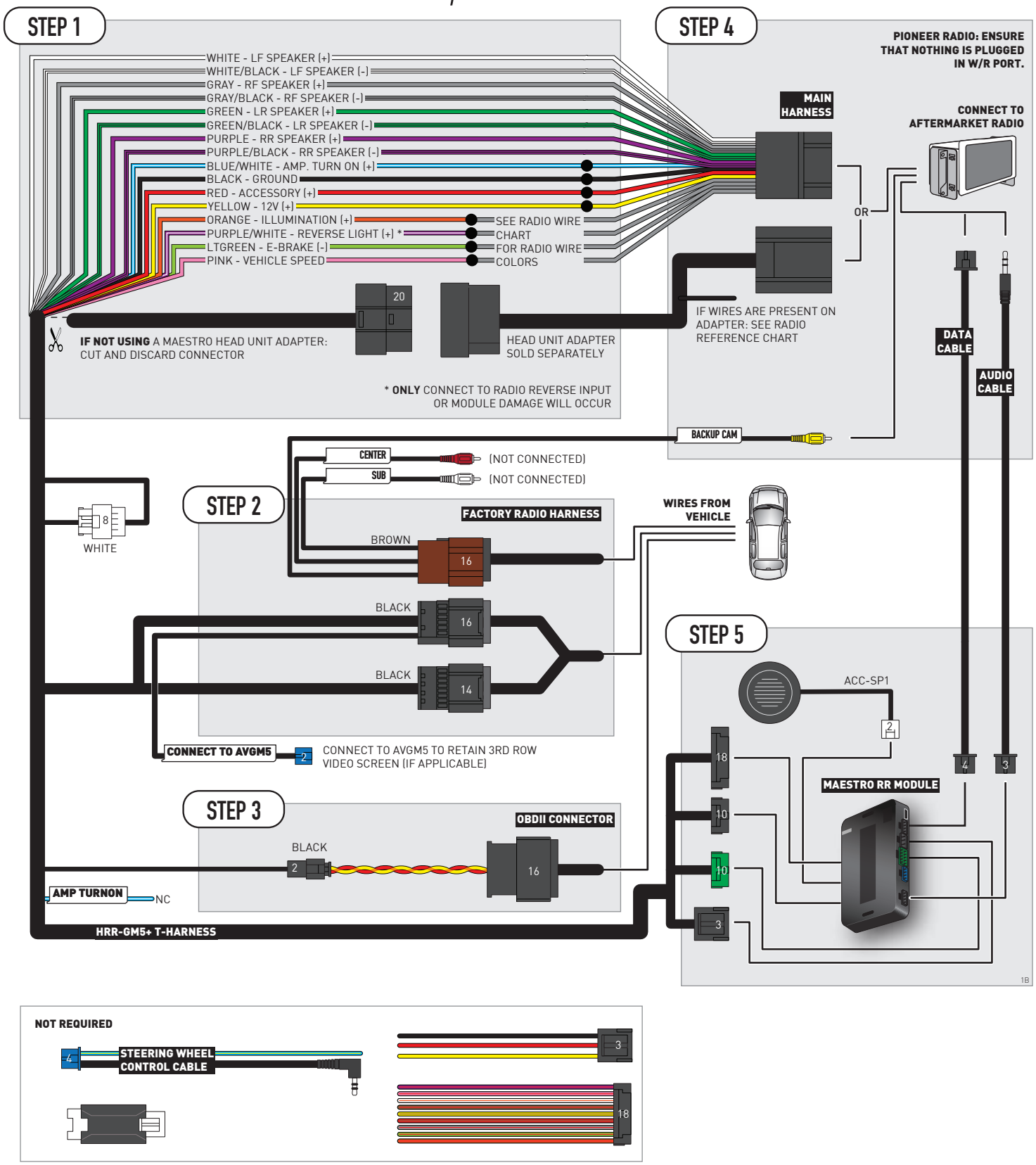
Turn Signal Reminder - Select "Click in speaker" for normal signal sounds. Select "Chime if left on" to only alert if turn signal is left on.

Automotive Data Solutions Inc. © 2023

WIRING DIAGRAM *with an Amplifier*



WIRING DIAGRAM *without an Amplifier*



RADIO WIRE REFERENCE CHART

GM5+ (GM2) T-harness Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/ JVC cable	Wire Color on Pioneer cable	Wire Color on Sony cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light*	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A
Power Antenna	(+)	Blue	Blue	Blue	Blue/White	Blue or Blue/White

Head unit adapter wiring (optional accessory, sold separately)

ACC-HU-ALP1 Wire Description	Polarity	Wire Color on Adapter	Alpine Radio
VSS (vehicle speed sensor)	(DATA)	Green/White	Green/White

ACC-HU-KEN1 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
CAM	(+)	Green/Red	Refer to camera/radio manual
CAM	(-)	Green/White	Refer to camera/radio manual
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

ACC-HU-KEN2 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
E-Brake	(-)	LtGreen	LtGreen
Reverse Light*	(+)	Purple/White	Purple/White
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

* Reverse light wire: Only connect to radio or module damage will occur.

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 (RR2) Bluetooth activity	LED STATUS	DIAGNOSTIC
● or ●		RED or GREEN flashing	LED flashes 1 or more times, either red or green, **when a steering wheel button is pressed** : normal operation.
●		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do NOT use DEMO MODE.
●		2 RED flashes	Problem detected. Consult troubleshooting table.
●		1 GREEN flash	After radio boots up : Normal operation.
	●	3 GREEN flashes	Bluetooth is activated. Turns off after one minute: Normal operation.
●	●	OFF	Normal operation (inactive).

VIDEO HELP		Installation, product information, vehicle specific videos.
VERIFY FLASH		Last flash information, steering control configuration, vehicle information.
WEBLINK		Software to program module.

TROUBLESHOOTING TABLE P1 /2

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure OBDII connector is securely attached to the OBD2 connector of the vehicle. If you hardwired connections at the OBDII, check connections at the OBDII connector. Make sure the **RED/BROWN** wire is on **PIN 6** and the **YELLOW/BROWN** wire is connected to **PIN 14** of the OBDII connector. Do not use T-Taps. Soldering or military splicing methods are recommended. If anything else is connected to the OBD2 or CAN wires of vehicle (programmer, throttle controller, insurance tracker, etc.) try unplugging it to see if gauges work. If gauges work without it installed, call tech support for options. Reset the RR.
No sound from Onstar or OEM Satellite (if equipped).	Make sure the audio cable is installed and inserted into the correct location on the radio.
Trying to use the OEM Satellite and get "Check Tuner" message.	In order to access the OEM Satellite you must go into the radio sources and look for the one that says "Satellite Radio". The SiriusXM source is not the same as the OEM Satellite source.
When listening to the OEM Satellite radio, the turn signals don't make the clicking noise, but they do in any other source.	This is normal. The audio for OEM Satellite radio and the turn signal clicks both come from the audio cable. The Maestro unit cannot process 2 different audio signals at the same time, so the OEM Satellite is priority.
There is no turn signal clicking noise.	Find OEM Setup in the radio settings. Under Vehicle Feature settings, look for Turn Signal Reminder. If it is set to "Chime If Left On", it will not click. If you wish to hear turn signal clicks, this setting must be set to "Click In Speaker".
No sound from the Bose system (If equipped).	Make sure the amplifier turn on wire (Blue/White) of the T-Harness is connected to the radio's amplifier turn on wire. When flashing the Maestro make sure that the Amplifier in OEM Systems to Retain is selected. Make sure the RCA's are connected to the radio or the speaker wires are connected depending on your installation method.
Vehicle had the Bose system and it was bypassed, now there are no chimes.	Remove the Maestro and reflash it, making sure you uncheck the Amplifier option in the OEM Systems section of the flash.
Audio is very quiet or very loud.	Non amplified vehicles: ensure the AMP adapter is NOT plugged in between the white 8 pin plugs. Amplified vehicles: ensure the AMP adapter IS plugged in between the white 8 pin plugs.
(Vehicle using a HRR-GM2 harness only) Backup camera is not working and displays a black screen on radio when in reverse.	Ensure the 2-pin yellow plug is connected as shown on the diagram.
The light on the Maestro is flashing **RED ONCE**.	There is no firmware on the module; flash the RR module.
The radio is **ON** and the light on the Maestro is blinking **RED TWICE**.	Ensure the 4-pin data cable is connected between the radio and the RR, and that it is plugged into the black port on the Maestro RR. The red and blue ports on the RR should be empty. Make sure the correct radio model and serial number were entered during the flash. Verify the radio's serial number entered during the flash matches what is listed on the radio screen. This can be found in the settings of the radio, listed as Device Id, Device Number, or Serial Number.
The light on the Maestro is blinking **RED TWICE** but radio **is NOT** turning on.	If installing a modular radio and it is not turning on, ensure the screen is secured and any trim pieces on the radio have been installed fully. Not installing these fully will prevent radio from powering up and show a 2x red error as well. Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.

TROUBLESHOOTING TABLE P2 /2

MAESTRO RR RESET PROCEDURE:

Turn the key to the OFF position, then disconnect all connectors from the module.
Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).
Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds to show the reset was successful.

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

IMPORTANT: To ensure proper operation, the aftermarket radio needs to have the latest firmware from the manufacturer. Please visit the radio manufacturer's website and look for any updates pertaining to your radio.

INSTALL GUIDE

2012-2014
GMC YUKON
WITHOUT NAV

RETAINS STEERING WHEEL CONTROLS, ONSTAR, BLUETOOTH, XM SATELLITE AND MORE!



PRODUCTS REQUIRED

iDatalink Maestro RR or RR2 Radio Replacement Interface
iDatalink Maestro HRR-GM5+ Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-GM05-DS

ADDITIONAL RESOURCES

Maestro RR2 Programmable Outputs Guide

OPTIONAL ACCESSORIES

K40 ELECTRONICS
ESCORT

Click here for:
Radar Installation Guides

ACC-SP1

HEAD UNIT ADAPTER:
ACC-HU-PIO1, SON1, KEN1, KEN2, ALP1

NOTICE: Automotive Data Solutions Inc. (ADS) recommends having this installation performed by a certified technician. Logos and trademarks used here in are the properties of their respective owners.

WELCOME

Congratulations on the purchase of your iDatalink Maestro RR Radio replacement solution. You are now a few simple steps away from enjoying your new car radio with enhanced features.

Before starting your installation, please ensure that your iDatalink Maestro module is programmed with the correct firmware for your vehicle and that you carefully review the install guide.

Please note that Maestro RR will only retain functionalities that were originally available in the vehicle.

TABLE OF CONTENTS

Before Installing	3
Installation Instructions	4
Wiring Diagram with an Amplifier	5
Wiring Diagram without an Amplifier	6
Radio Wire Reference Chart	7
Module Diagnostics	8
Troubleshooting Table	9

NEED HELP?

1 866 427-2999

maestro.support@idatalink.com

BEFORE INSTALLING P1 /1

STEP 1

DETERMINE IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

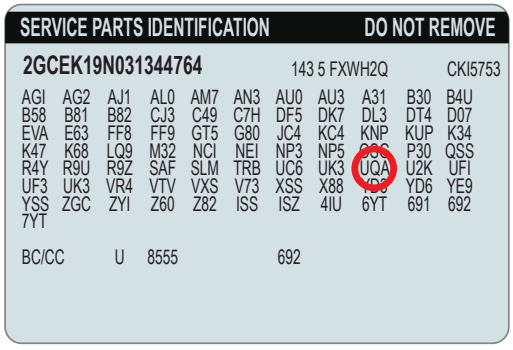
METHOD 1: Look for the following logos in the vehicle. They are usually on the speaker covers or on the radio unit. If you find any of the following logos Bose, Pioneer or Monsoon, you have a factory amplifier.

BOSE

Pioneer

MONSOON

METHOD 2: Look for the following sticker in the glove box. This sticker will indicate all the Regular Production Option (RPO) codes. If you find any of the following codes UQA, UQS or UQG, you have a factory amplifier.



STEP 2

IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **with an amplifier** and read the "**AMPLIFIER ONLY**" note to determine if you should use rca's or level matching circuits.

IF YOUR VEHICLE NOT IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **without an amplifier**.

Automotive Data Solutions Inc. © 2023

INSTALLATION INSTRUCTIONS P1/1

STEP 1

Remove the factory radio

If using head unit adapter (sold separately), connect HRR-GM5+ harness to adapter and skip to step 2.

- Unbox the aftermarket radio and locate its main harness.
- Cut and remove the black 20 pin connector from the HRR-GM5+ T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the HRR-GM5+ T-harness and match the wire functions.

  Note: only connect purple/white wire to radio reverse input or module damage will occur.

STEP 2

- Connect the factory harness to the HRR-GM5+ T-harness.
- Without AMP: Ensure that the WHITE 8 pin plugs are connected.
- With AMP: Connect the HRR-GM5+ 8 pin WHITE connectors to the AMP adapter.

STEP 3

- Connect HRR-GM5+ 2-pin black connector to black connector of OBDII extension harness.
- Plug the OBDII connector into the OBDII of the vehicle, under driver dash.

STEP 4

- Plug the harnesses into the aftermarket radio.
- Connect the backup camera RCA cable into the aftermarket radio.
- With AMP: Connect the Center and SUB RCA cables.
- Plug the Data cable to the data port of the aftermarket radio.
- Insert the Audio cable into the iDatalink 3.5 mm audio jack of the aftermarket radio (if there is no iDatalink audio input, connect to AUX).

  Note: On Pioneer radio, ensure that there is nothing plugged into the W/R port.

STEP 5

- Connect the ACC-SP1 speaker to Maestro module.
- Connect all the harnesses to the Maestro RR module then test your installation.

OnStar or warning chime adjust (Audio in vehicle speakers):

- Turn ignition (IGN) on
- Open driver's door

Select to adjust:

OnStar level - Press OnStar button.

Warning chime level - turn headlight switch to parking light position (not AUTO).

- Adjust volume using steering wheel volume up/down OR dimmer switch. If using dimmer switch, ensure headlight switch is NOT set to AUTO.

OnStar, turn signal, or warning chime adjust (Audio in GM5+ speaker):

- Find "OEM setup" menu in radio settings.

Under "Vehicle Features", select to adjust:

Onstar Volume - Level from 0-9

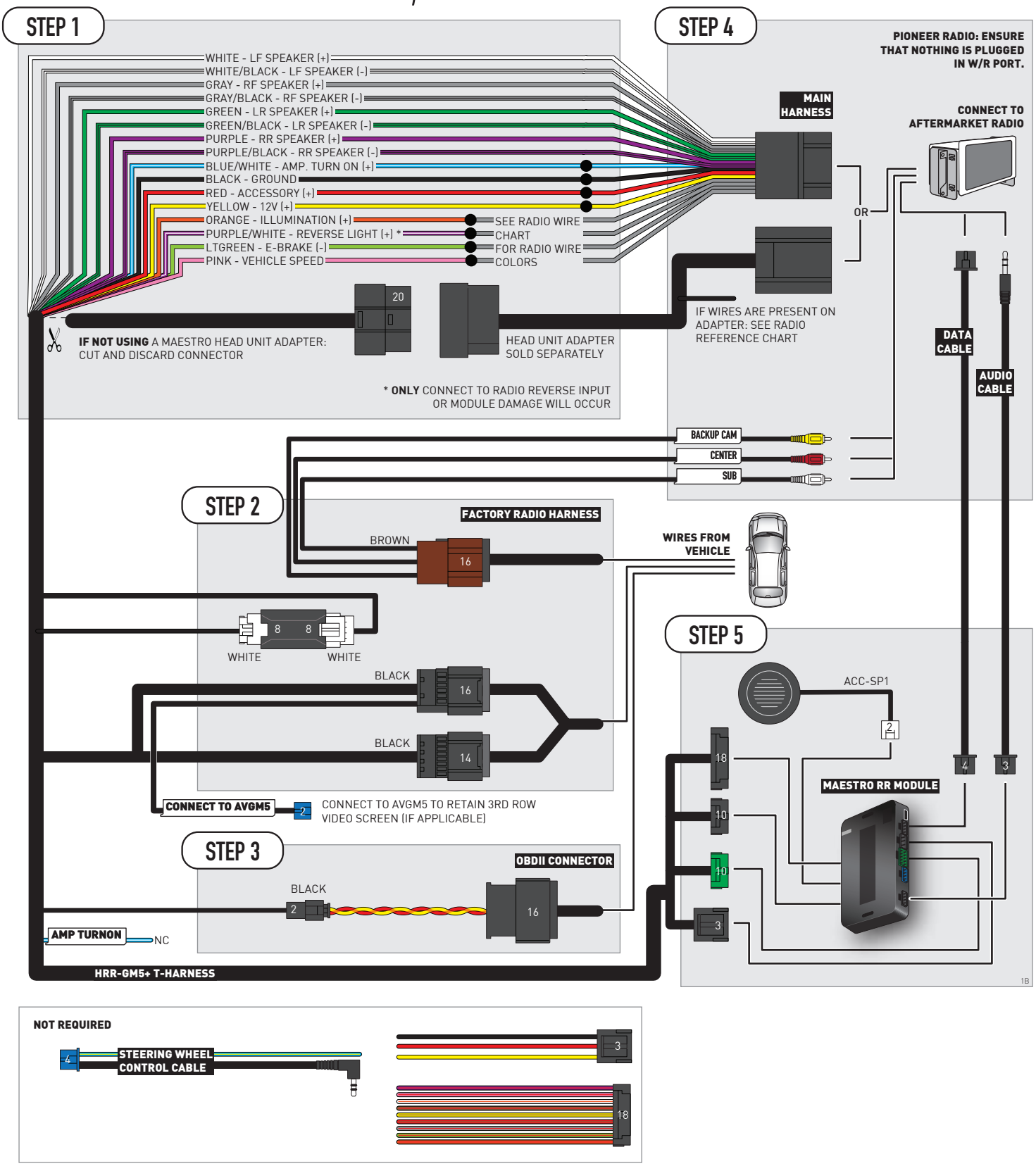
Chime Volume - Level from 0-9

Turn Signal Volume - 1-10

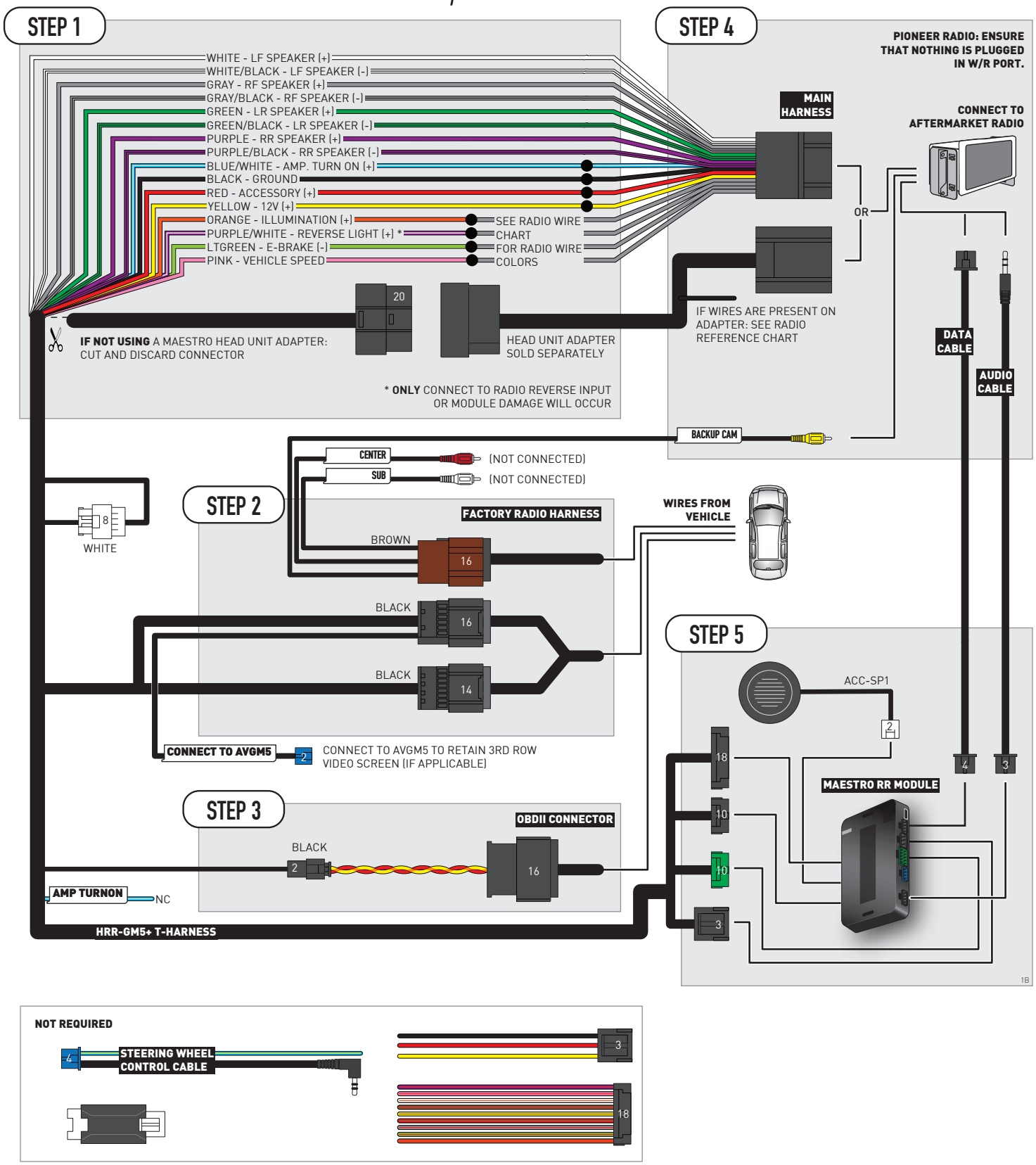
Turn Signal Reminder - Select "Click in speaker" for normal signal sounds. Select "Chime if left on" to only alert if turn signal is left on.

1

WIRING DIAGRAM *with an Amplifier*



WIRING DIAGRAM *without an Amplifier*



RADIO WIRE REFERENCE CHART

GM5+ (GM2) T-harness Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/ JVC cable	Wire Color on Pioneer cable	Wire Color on Sony cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light*	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A
Power Antenna	(+)	Blue	Blue	Blue	Blue/White	Blue or Blue/White

Head unit adapter wiring (optional accessory, sold separately)

ACC-HU-ALP1 Wire Description	Polarity	Wire Color on Adapter	Alpine Radio
VSS (vehicle speed sensor)	(DATA)	Green/White	Green/White

ACC-HU-KEN1 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
CAM	(+)	Green/Red	Refer to camera/radio manual
CAM	(-)	Green/White	Refer to camera/radio manual
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

ACC-HU-KEN2 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
E-Brake	(-)	LtGreen	LtGreen
Reverse Light*	(+)	Purple/White	Purple/White
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

* Reverse light wire: Only connect to radio or module damage will occur.

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 (RR2) Bluetooth activity	LED STATUS	DIAGNOSTIC
● or ●		RED or GREEN flashing	LED flashes 1 or more times, either red or green, **when a steering wheel button is pressed** : normal operation.
●		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do NOT use DEMO MODE.
●		2 RED flashes	Problem detected. Consult troubleshooting table.
●		1 GREEN flash	After radio boots up : Normal operation.
	●	3 GREEN flashes	Bluetooth is activated. Turns off after one minute: Normal operation.
●	●	OFF	Normal operation (inactive).

VIDEO HELP		Installation, product information, vehicle specific videos.
VERIFY FLASH		Last flash information, steering control configuration, vehicle information.
WEBLINK		Software to program module.

TROUBLESHOOTING TABLE P1 /2

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure OBDII connector is securely attached to the OBD2 connector of the vehicle. If you hardwired connections at the OBDII, check connections at the OBDII connector. Make sure the **RED/BROWN** wire is on **PIN 6** and the **YELLOW/BROWN** wire is connected to **PIN 14** of the OBDII connector. Do not use T-Taps. Soldering or military splicing methods are recommended. If anything else is connected to the OBD2 or CAN wires of vehicle (programmer, throttle controller, insurance tracker, etc.) try unplugging it to see if gauges work. If gauges work without it installed, call tech support for options. Reset the RR.
No sound from Onstar or OEM Satellite (if equipped).	Make sure the audio cable is installed and inserted into the correct location on the radio.
Trying to use the OEM Satellite and get "Check Tuner" message.	In order to access the OEM Satellite you must go into the radio sources and look for the one that says "Satellite Radio". The SiriusXM source is not the same as the OEM Satellite source.
When listening to the OEM Satellite radio, the turn signals don't make the clicking noise, but they do in any other source.	This is normal. The audio for OEM Satellite radio and the turn signal clicks both come from the audio cable. The Maestro unit cannot process 2 different audio signals at the same time, so the OEM Satellite is priority.
There is no turn signal clicking noise.	Find OEM Setup in the radio settings. Under Vehicle Feature settings, look for Turn Signal Reminder. If it is set to "Chime If Left On", it will not click. If you wish to hear turn signal clicks, this setting must be set to "Click In Speaker".
No sound from the Bose system (If equipped).	Make sure the amplifier turn on wire (Blue/White) of the T-Harness is connected to the radio's amplifier turn on wire. When flashing the Maestro make sure that the Amplifier in OEM Systems to Retain is selected. Make sure the RCA's are connected to the radio or the speaker wires are connected depending on your installation method.
Vehicle had the Bose system and it was bypassed, now there are no chimes.	Remove the Maestro and reflash it, making sure you uncheck the Amplifier option in the OEM Systems section of the flash.
Audio is very quiet or very loud.	Non amplified vehicles: ensure the AMP adapter is NOT plugged in between the white 8 pin plugs. Amplified vehicles: ensure the AMP adapter IS plugged in between the white 8 pin plugs.
(Vehicle using a HRR-GM2 harness only) Backup camera is not working and displays a black screen on radio when in reverse.	Ensure the 2-pin yellow plug is connected as shown on the diagram.
The light on the Maestro is flashing **RED ONCE**.	There is no firmware on the module; flash the RR module.
The radio is **ON** and the light on the Maestro is blinking **RED TWICE**.	Ensure the 4-pin data cable is connected between the radio and the RR, and that it is plugged into the black port on the Maestro RR. The red and blue ports on the RR should be empty. Make sure the correct radio model and serial number were entered during the flash. Verify the radio's serial number entered during the flash matches what is listed on the radio screen. This can be found in the settings of the radio, listed as Device Id, Device Number, or Serial Number.
The light on the Maestro is blinking **RED TWICE** but radio **is NOT** turning on.	If installing a modular radio and it is not turning on, ensure the screen is secured and any trim pieces on the radio have been installed fully. Not installing these fully will prevent radio from powering up and show a 2x red error as well. Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.

TROUBLESHOOTING TABLE P2 /2

MAESTRO RR RESET PROCEDURE:

Turn the key to the OFF position, then disconnect all connectors from the module.
Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).
Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds to show the reset was successful.

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

IMPORTANT: To ensure proper operation, the aftermarket radio needs to have the latest firmware from the manufacturer. Please visit the radio manufacturer's website and look for any updates pertaining to your radio.

INSTALL GUIDE

2008-2009
HUMMER H2

RETAINS STEERING WHEEL CONTROLS, ONSTAR, BLUETOOTH, XM SATELLITE AND MORE!



PRODUCTS REQUIRED

iDatalink Maestro RR or RR2 Radio Replacement Interface
iDatalink Maestro HRR-GM5+ Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-GM05-DS

ADDITIONAL RESOURCES

Maestro RR2 Programmable Outputs Guide

OPTIONAL ACCESSORIES

K40 ELECTRONICS
ESCORT

Click here for:
Radar Installation Guides

ACC-SP1

HEAD UNIT ADAPTER:
ACC-HU-PIO1, SON1, KEN1, KEN2, ALP1

NOTICE: Automotive Data Solutions Inc. (ADS) recommends having this installation performed by a certified technician. Logos and trademarks used here in are the properties of their respective owners.

WELCOME

Congratulations on the purchase of your iDatalink Maestro RR Radio replacement solution. You are now a few simple steps away from enjoying your new car radio with enhanced features.

Before starting your installation, please ensure that your iDatalink Maestro module is programmed with the correct firmware for your vehicle and that you carefully review the install guide.

Please note that Maestro RR will only retain functionalities that were originally available in the vehicle.

TABLE OF CONTENTS

Before Installing	3
Installation Instructions	4
Wiring Diagram with an Amplifier	5
Wiring Diagram without an Amplifier	6
Radio Wire Reference Chart	7
Module Diagnostics	8
Troubleshooting Table	9

NEED HELP?

1 866 427-2999

maestro.support@idatalink.com

BEFORE INSTALLING P1 /1

STEP 1

DETERMINE IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

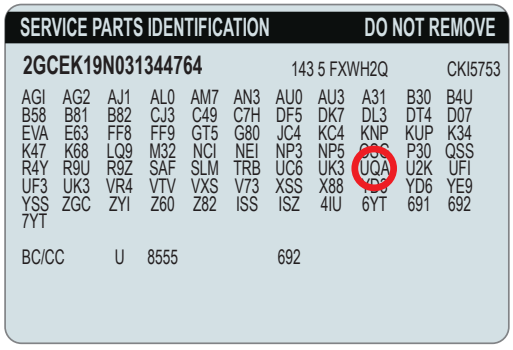
METHOD 1: Look for the following logos in the vehicle. They are usually on the speaker covers or on the radio unit. If you find any of the following logos Bose, Pioneer or Monsoon, you have a factory amplifier.

BOSE

Pioneer

MONSOON

METHOD 2: Look for the following sticker in the glove box. This sticker will indicate all the Regular Production Option (RPO) codes. If you find any of the following codes UQA, UQS or UQG, you have a factory amplifier.


SERVICE PARTS IDENTIFICATION DO NOT REMOVE

2GCEK19N031344764 143 5 FXWH2Q CKI5753

AGI	AG2	AJ1	AL0	AM7	AN3	AU0	AU3	A31	B30	B4U
B58	B81	B82	CJ3	C49	C7H	DF5	DK7	DL3	DT4	D07
EVA	E63	FF8	FF9	GT5	G80	JC4	KC4	KNP	KUP	K34
K47	K68	LQ9	M32	NCI	NEI	NP3	NP5	QQS	P30	QSS
R4Y	R9U	R9Z	SAF	SLM	TRB	UC6	UK3	UQA	U2K	UFI
UF3	UK3	VR4	VTV	VXS	V73	XSS	X88	YD5	YD6	YE9
YSS	ZGC	ZYI	Z60	Z82	ISS	ISZ	4IU	6YT	691	692
7YT										

BC/CC U 8555 692

STEP 2

IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **with an amplifier** and read the "**AMPLIFIER ONLY**" note to determine if you should use rca's or level matching circuits.

IF YOUR VEHICLE NOT IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **without an amplifier**.

Automotive Data Solutions Inc. © 2023

INSTALLATION INSTRUCTIONS P1/1

STEP 1

Remove the factory radio

If using head unit adapter (sold separately), connect HRR-GM5+ harness to adapter and skip to step 2.

- Unbox the aftermarket radio and locate its main harness.
- Cut and remove the black 20 pin connector from the HRR-GM5+ T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the HRR-GM5+ T-harness and match the wire functions.

  Note: only connect purple/white wire to radio reverse input or module damage will occur.

STEP 2

- Connect the factory harness to the HRR-GM5+ T-harness.
- Without AMP: Ensure that the WHITE 8 pin plugs are connected.
- With AMP: Connect the HRR-GM5+ 8 pin WHITE connectors to the AMP adapter.

STEP 3

- Connect HRR-GM5+ 2-pin black connector to black connector of OBDII extension harness.
- Plug the OBDII connector into the OBDII of the vehicle, under driver dash.

STEP 4

- Plug the harnesses into the aftermarket radio.
- Connect the backup camera RCA cable into the aftermarket radio.
- With AMP: Connect the Center and SUB RCA cables.
- Plug the Data cable to the data port of the aftermarket radio.
- Insert the Audio cable into the iDatalink 3.5 mm audio jack of the aftermarket radio (if there is no iDatalink audio input, connect to AUX).

  Note: On Pioneer radio, ensure that there is nothing plugged into the W/R port.

STEP 5

- Connect the ACC-SP1 speaker to Maestro module.
- Connect all the harnesses to the Maestro RR module then test your installation.

OnStar or warning chime adjust (Audio in vehicle speakers):

- Turn ignition (IGN) on
- Open driver's door

Select to adjust:

OnStar level - Press OnStar button.

Warning chime level - turn headlight switch to parking light position (not AUTO).

- Adjust volume using steering wheel volume up/down OR dimmer switch. If using dimmer switch, ensure headlight switch is NOT set to AUTO.

OnStar, turn signal, or warning chime adjust (Audio in GM5+ speaker):

- Find "OEM setup" menu in radio settings.

Under "Vehicle Features", select to adjust:

Onstar Volume - Level from 0-9

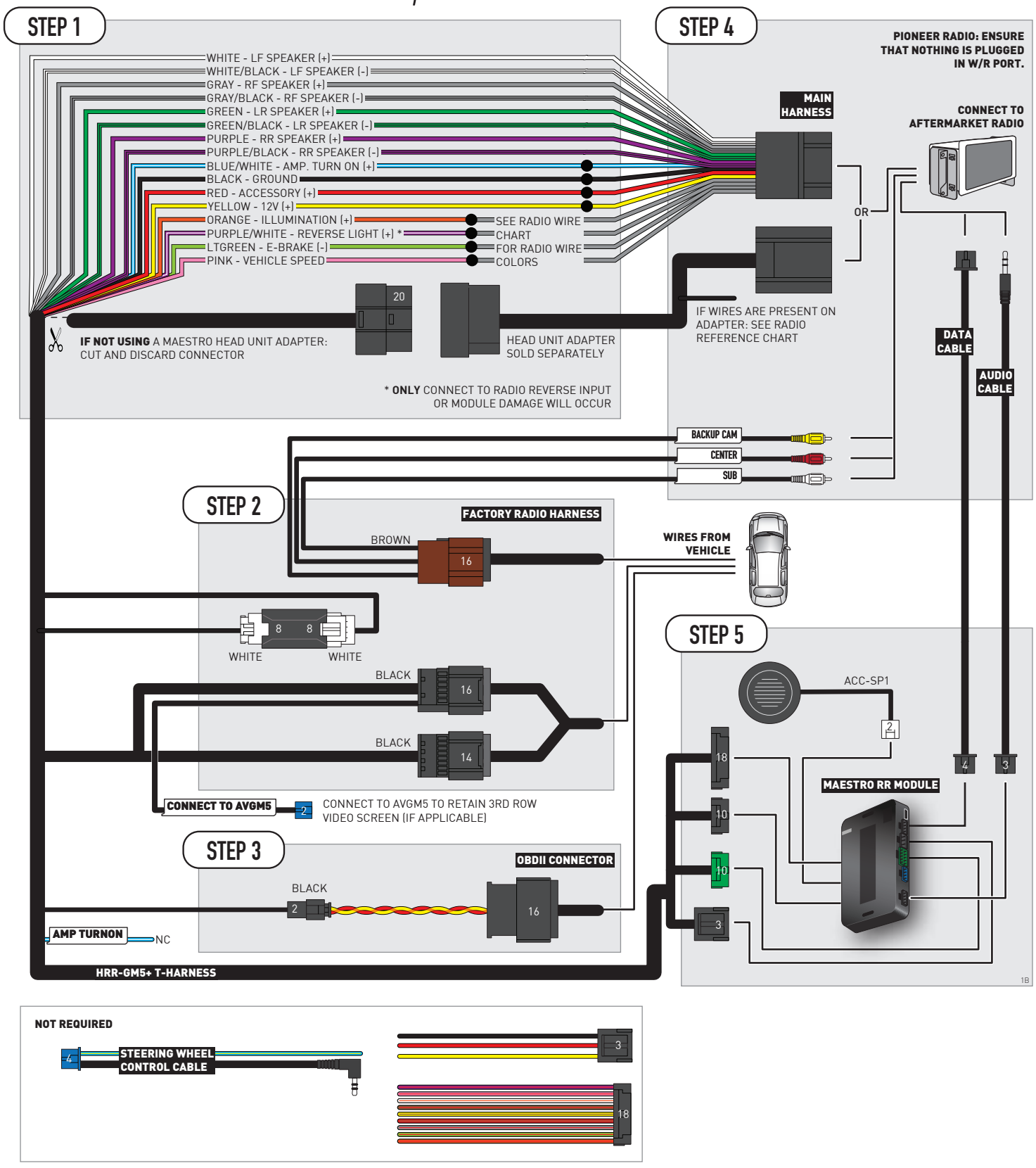
Chime Volume - Level from 0-9

Turn Signal Volume - 1-10

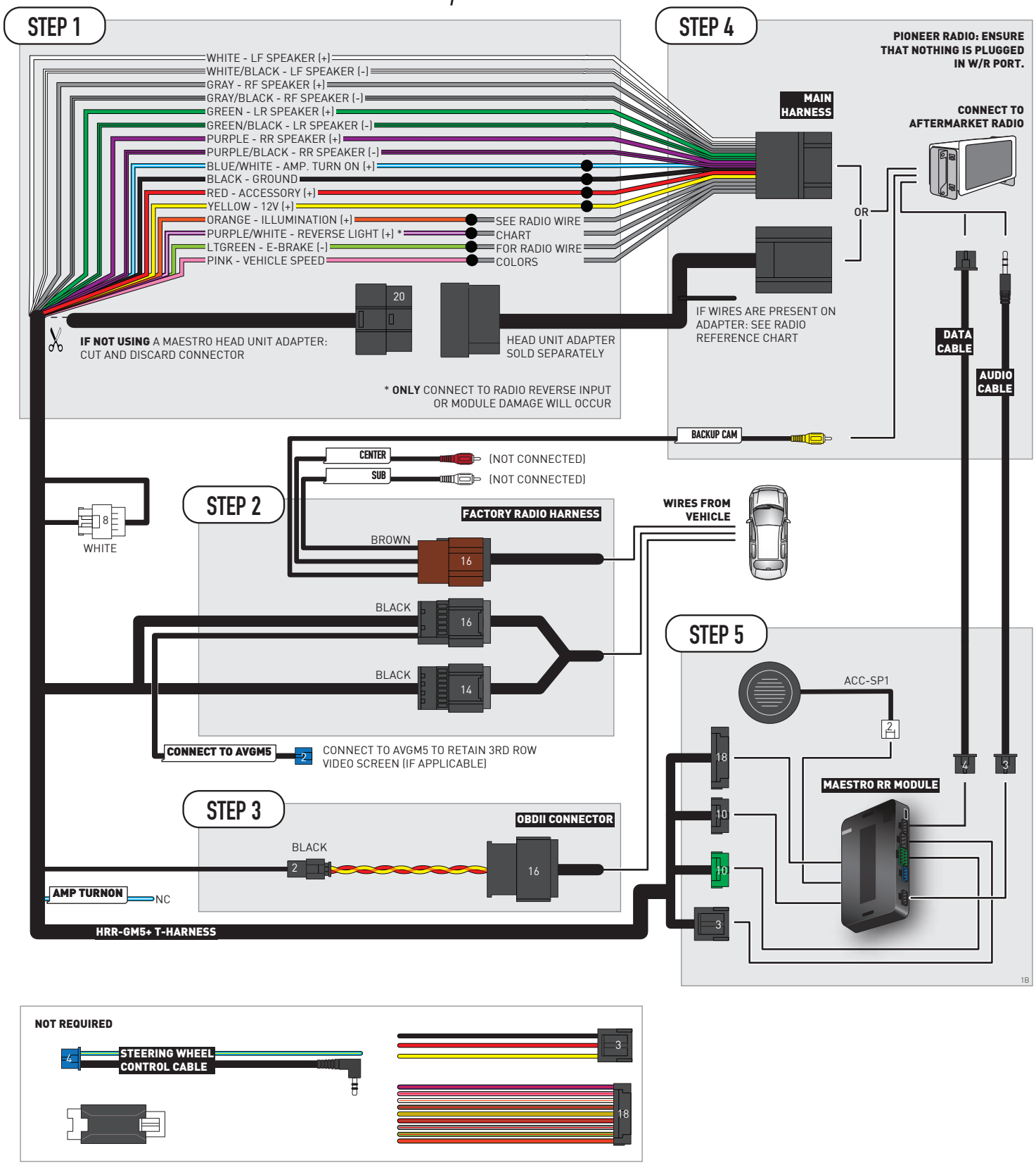
Turn Signal Reminder - Select "Click in speaker" for normal signal sounds. Select "Chime if left on" to only alert if turn signal is left on.

Automotive Data Solutions Inc. © 2023

WIRING DIAGRAM *with an Amplifier*



WIRING DIAGRAM *without an Amplifier*



RADIO WIRE REFERENCE CHART

GM5+ (GM2) T-harness Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/ JVC cable	Wire Color on Pioneer cable	Wire Color on Sony cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light*	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A
Power Antenna	(+)	Blue	Blue	Blue	Blue/White	Blue or Blue/White

Head unit adapter wiring (optional accessory, sold separately)

ACC-HU-ALP1 Wire Description	Polarity	Wire Color on Adapter	Alpine Radio
VSS (vehicle speed sensor)	(DATA)	Green/White	Green/White

ACC-HU-KEN1 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
CAM	(+)	Green/Red	Refer to camera/radio manual
CAM	(-)	Green/White	Refer to camera/radio manual
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

ACC-HU-KEN2 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
E-Brake	(-)	LtGreen	LtGreen
Reverse Light*	(+)	Purple/White	Purple/White
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

* Reverse light wire: Only connect to radio or module damage will occur.

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 (RR2) Bluetooth activity	LED STATUS	DIAGNOSTIC
● or ●		RED or GREEN flashing	LED flashes 1 or more times, either red or green, **when a steering wheel button is pressed** : normal operation.
●		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do NOT use DEMO MODE.
●		2 RED flashes	Problem detected. Consult troubleshooting table.
●		1 GREEN flash	After radio boots up : Normal operation.
	●	3 GREEN flashes	Bluetooth is activated. Turns off after one minute: Normal operation.
●	●	OFF	Normal operation (inactive).

VIDEO HELP		Installation, product information, vehicle specific videos.
VERIFY FLASH		Last flash information, steering control configuration, vehicle information.
WEBLINK		Software to program module.

TROUBLESHOOTING TABLE P1 /2

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure OBDII connector is securely attached to the OBD2 connector of the vehicle. If you hardwired connections at the OBDII, check connections at the OBDII connector. Make sure the **RED/BROWN** wire is on **PIN 6** and the **YELLOW/BROWN** wire is connected to **PIN 14** of the OBDII connector. Do not use T-Taps. Soldering or military splicing methods are recommended. If anything else is connected to the OBD2 or CAN wires of vehicle (programmer, throttle controller, insurance tracker, etc.) try unplugging it to see if gauges work. If gauges work without it installed, call tech support for options. Reset the RR.
No sound from Onstar or OEM Satellite (if equipped).	Make sure the audio cable is installed and inserted into the correct location on the radio.
Trying to use the OEM Satellite and get "Check Tuner" message.	In order to access the OEM Satellite you must go into the radio sources and look for the one that says "Satellite Radio". The SiriusXM source is not the same as the OEM Satellite source.
When listening to the OEM Satellite radio, the turn signals don't make the clicking noise, but they do in any other source.	This is normal. The audio for OEM Satellite radio and the turn signal clicks both come from the audio cable. The Maestro unit cannot process 2 different audio signals at the same time, so the OEM Satellite is priority.
There is no turn signal clicking noise.	Find OEM Setup in the radio settings. Under Vehicle Feature settings, look for Turn Signal Reminder. If it is set to "Chime If Left On", it will not click. If you wish to hear turn signal clicks, this setting must be set to "Click In Speaker".
No sound from the Bose system (If equipped).	Make sure the amplifier turn on wire (Blue/White) of the T-Harness is connected to the radio's amplifier turn on wire. When flashing the Maestro make sure that the Amplifier in OEM Systems to Retain is selected. Make sure the RCA's are connected to the radio or the speaker wires are connected depending on your installation method.
Vehicle had the Bose system and it was bypassed, now there are no chimes.	Remove the Maestro and reflash it, making sure you uncheck the Amplifier option in the OEM Systems section of the flash.
Audio is very quiet or very loud.	Non amplified vehicles: ensure the AMP adapter is NOT plugged in between the white 8 pin plugs. Amplified vehicles: ensure the AMP adapter IS plugged in between the white 8 pin plugs.
(Vehicle using a HRR-GM2 harness only) Backup camera is not working and displays a black screen on radio when in reverse.	Ensure the 2-pin yellow plug is connected as shown on the diagram.
The light on the Maestro is flashing **RED ONCE**.	There is no firmware on the module; flash the RR module.
The radio is **ON** and the light on the Maestro is blinking **RED TWICE**.	Ensure the 4-pin data cable is connected between the radio and the RR, and that it is plugged into the black port on the Maestro RR. The red and blue ports on the RR should be empty. Make sure the correct radio model and serial number were entered during the flash. Verify the radio's serial number entered during the flash matches what is listed on the radio screen. This can be found in the settings of the radio, listed as Device Id, Device Number, or Serial Number.
The light on the Maestro is blinking **RED TWICE** but radio **is NOT** turning on.	If installing a modular radio and it is not turning on, ensure the screen is secured and any trim pieces on the radio have been installed fully. Not installing these fully will prevent radio from powering up and show a 2x red error as well. Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.

TROUBLESHOOTING TABLE P2 /2

MAESTRO RR RESET PROCEDURE:

Turn the key to the OFF position, then disconnect all connectors from the module.
Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).
Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds to show the reset was successful.

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

IMPORTANT: To ensure proper operation, the aftermarket radio needs to have the latest firmware from the manufacturer. Please visit the radio manufacturer's website and look for any updates pertaining to your radio.

INSTALL GUIDE

2007-2009
PONTIAC TORRENT

RETAINS STEERING WHEEL CONTROLS, ONSTAR, BLUETOOTH, XM SATELLITE AND MORE!



PRODUCTS REQUIRED

iDatalink Maestro RR or RR2 Radio Replacement Interface
iDatalink Maestro HRR-GM5+ Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-GM05-DS

ADDITIONAL RESOURCES

Maestro RR2 Programmable Outputs Guide

OPTIONAL ACCESSORIES

K40 ELECTRONICS
ESCORT

Click here for:
Radar Installation Guides

ACC-SP1

HEAD UNIT ADAPTER:
ACC-HU-PIO1, SON1, KEN1, KEN2, ALP1

NOTICE: Automotive Data Solutions Inc. (ADS) recommends having this installation performed by a certified technician. Logos and trademarks used here in are the properties of their respective owners.

WELCOME

Congratulations on the purchase of your iDatalink Maestro RR Radio replacement solution. You are now a few simple steps away from enjoying your new car radio with enhanced features.

Before starting your installation, please ensure that your iDatalink Maestro module is programmed with the correct firmware for your vehicle and that you carefully review the install guide.

Please note that Maestro RR will only retain functionalities that were originally available in the vehicle.

TABLE OF CONTENTS

Before Installing	3
Installation Instructions	4
Wiring Diagram with an Amplifier	5
Wiring Diagram without an Amplifier	6
Radio Wire Reference Chart	7
Module Diagnostics	8
Troubleshooting Table	9

NEED HELP?

1 866 427-2999

maestro.support@idatalink.com

BEFORE INSTALLING P1 /1

STEP 1

DETERMINE IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

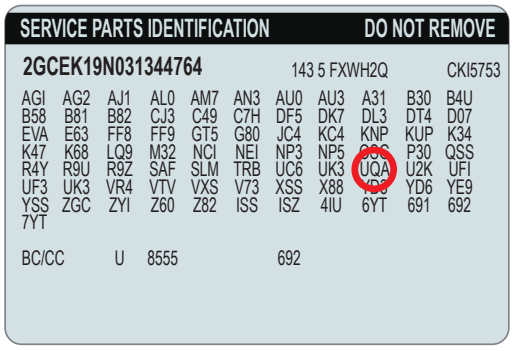
METHOD 1: Look for the following logos in the vehicle. They are usually on the speaker covers or on the radio unit. If you find any of the following logos Bose, Pioneer or Monsoon, you have a factory amplifier.

BOSE

Pioneer

MONSOON

METHOD 2: Look for the following sticker in the glove box. This sticker will indicate all the Regular Production Option (RPO) codes. If you find any of the following codes UQA, UQS or UQG, you have a factory amplifier.


SERVICE PARTS IDENTIFICATION DO NOT REMOVE

2GCEK19N031344764 143 5 FXWH2Q CKI5753

AGI	AG2	AJ1	AL0	AM7	AN3	AU0	AU3	A31	B30	B4U
B58	B81	B82	CJ3	C49	C7H	DF5	DK7	DL3	DT4	D07
EVA	E63	FF8	FF9	GT5	G80	JC4	KC4	KNP	KUP	K34
K47	K68	LQ9	M32	NCI	NE1	NP3	NP5	QQS	P30	QSS
R4Y	R9U	R9Z	SAF	SLM	TRB	UC6	UK3	UQA	U2K	UFI
UF3	UK3	VR4	VTV	VXS	V73	XSS	X88	YD5	YD6	YE9
YSS	ZGC	ZYI	Z60	Z82	ISS	ISZ	4IU	6YT	691	692
7YT										

BC/CC U 8555 692

STEP 2

IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **with an amplifier** and read the "**AMPLIFIER ONLY**" note to determine if you should use rca's or level matching circuits.

IF YOUR VEHICLE NOT IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **without an amplifier**.

Automotive Data Solutions Inc. © 2023

INSTALLATION INSTRUCTIONS P1/1

STEP 1

Remove the factory radio

If using head unit adapter (sold separately), connect HRR-GM5+ harness to adapter and skip to step 2.

- Unbox the aftermarket radio and locate its main harness.
- Cut and remove the black 20 pin connector from the HRR-GM5+ T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the HRR-GM5+ T-harness and match the wire functions.

  Note: only connect purple/white wire to radio reverse input or module damage will occur.

STEP 2

- Connect the factory harness to the HRR-GM5+ T-harness.
- Without AMP: Ensure that the WHITE 8 pin plugs are connected.
- With AMP: Connect the HRR-GM5+ 8 pin WHITE connectors to the AMP adapter.

STEP 3

- Connect HRR-GM5+ 2-pin black connector to black connector of OBDII extension harness.
- Plug the OBDII connector into the OBDII of the vehicle, under driver dash.

STEP 4

- Plug the harnesses into the aftermarket radio.
- Connect the backup camera RCA cable into the aftermarket radio.
- With AMP: Connect the Center and SUB RCA cables.
- Plug the Data cable to the data port of the aftermarket radio.
- Insert the Audio cable into the iDatalink 3.5 mm audio jack of the aftermarket radio (if there is no iDatalink audio input, connect to AUX).

  Note: On Pioneer radio, ensure that there is nothing plugged into the W/R port.

STEP 5

- Connect the ACC-SP1 speaker to Maestro module.
- Connect all the harnesses to the Maestro RR module then test your installation.

OnStar or warning chime adjust (Audio in vehicle speakers):

- Turn ignition (IGN) on
- Open driver's door

Select to adjust:

OnStar level - Press OnStar button.

Warning chime level - turn headlight switch to parking light position (not AUTO).

- Adjust volume using steering wheel volume up/down OR dimmer switch. If using dimmer switch, ensure headlight switch is NOT set to AUTO.

OnStar, turn signal, or warning chime adjust (Audio in GM5+ speaker):

- Find "OEM setup" menu in radio settings.

Under "Vehicle Features", select to adjust:

Onstar Volume - Level from 0-9

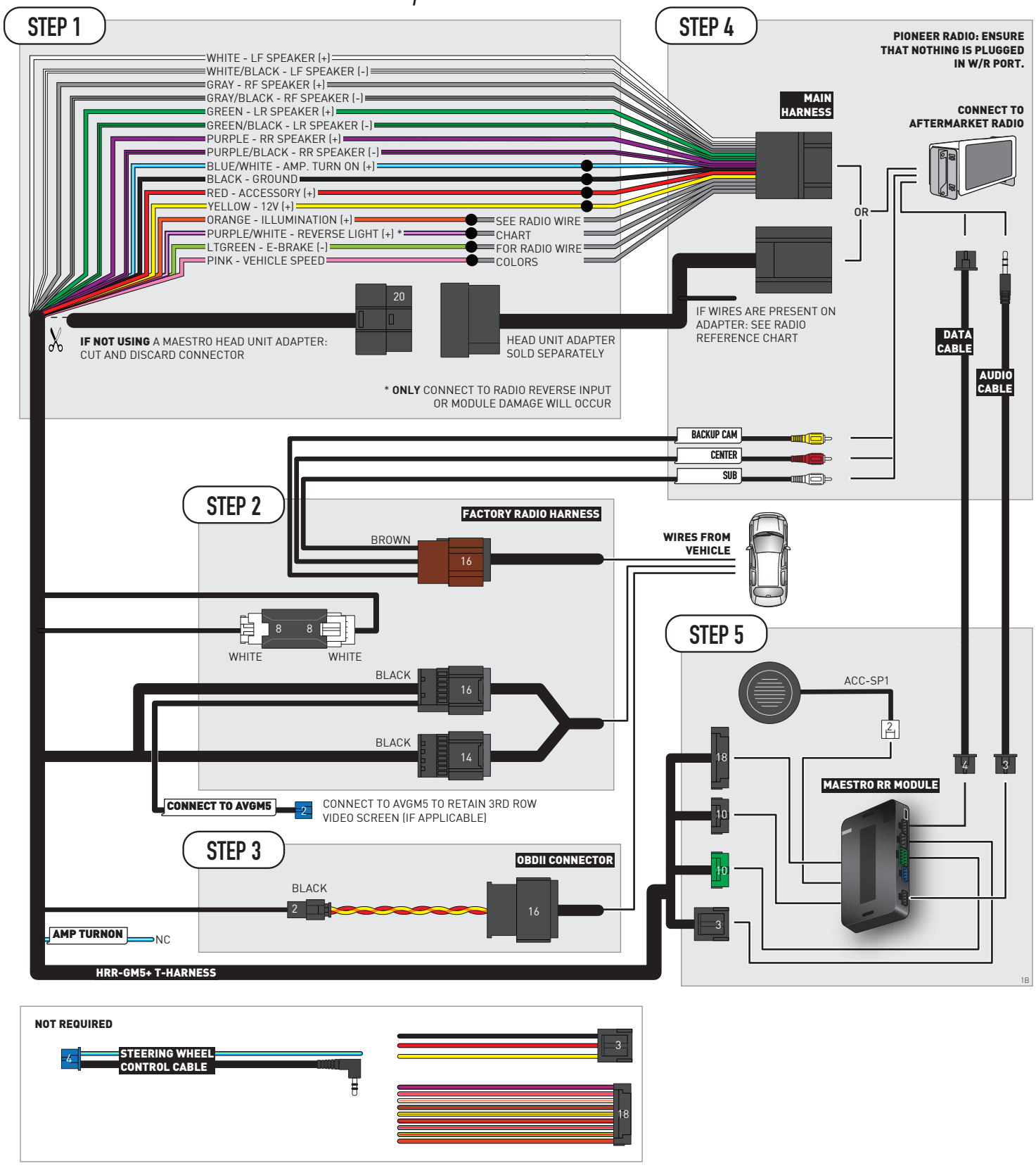
Chime Volume - Level from 0-9

Turn Signal Volume - 1-10

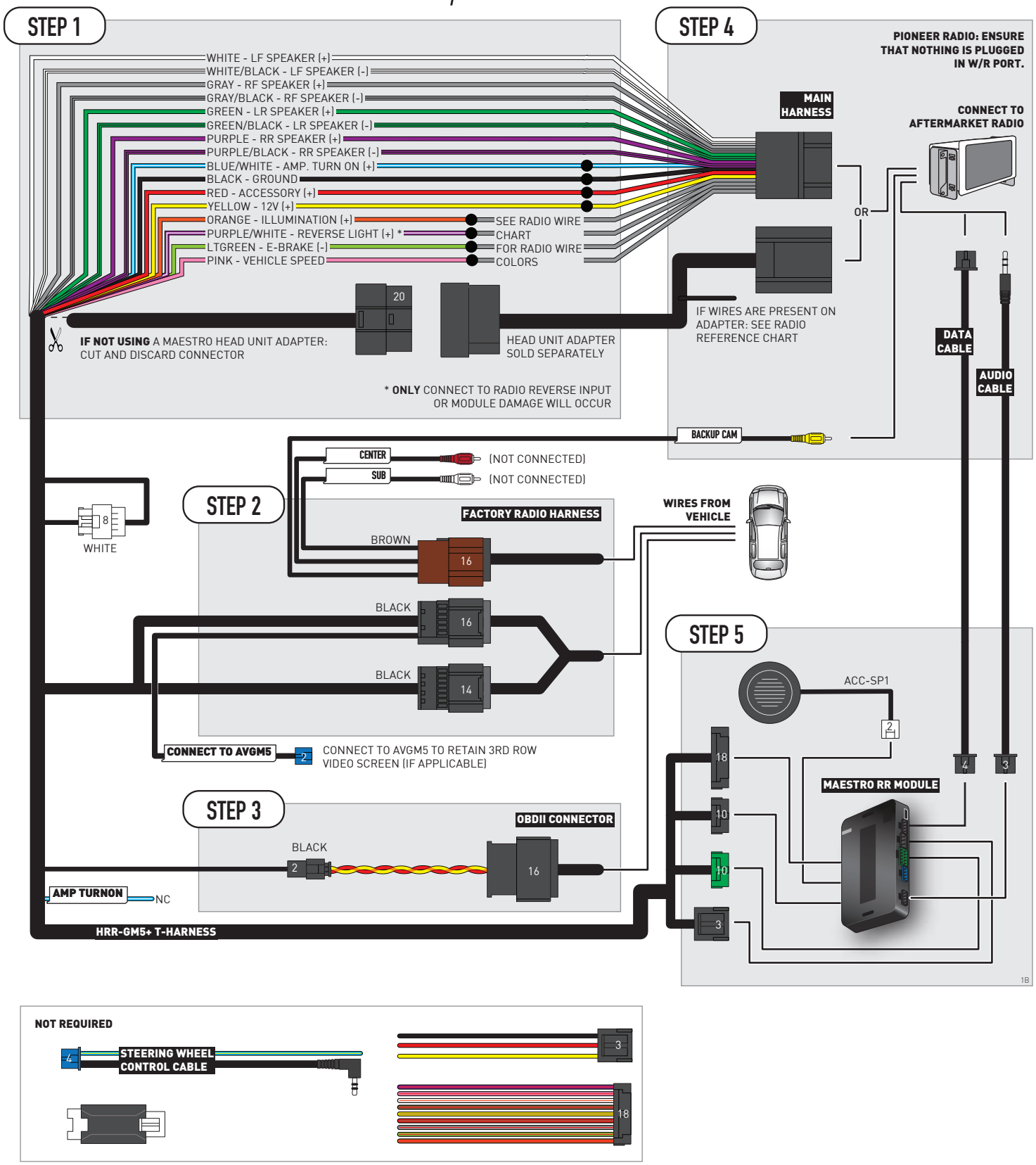
Turn Signal Reminder - Select "Click in speaker" for normal signal sounds. Select "Chime if left on" to only alert if turn signal is left on.

Automotive Data Solutions Inc. © 2023

WIRING DIAGRAM *with an Amplifier*



WIRING DIAGRAM *without an Amplifier*



RADIO WIRE REFERENCE CHART

GM5+ (GM2) T-harness Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/ JVC cable	Wire Color on Pioneer cable	Wire Color on Sony cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light*	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A
Power Antenna	(+)	Blue	Blue	Blue	Blue/White	Blue or Blue/White

Head unit adapter wiring (optional accessory, sold separately)

ACC-HU-ALP1 Wire Description	Polarity	Wire Color on Adapter	Alpine Radio
VSS (vehicle speed sensor)	(DATA)	Green/White	Green/White

ACC-HU-KEN1 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
CAM	(+)	Green/Red	Refer to camera/radio manual
CAM	(-)	Green/White	Refer to camera/radio manual
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

ACC-HU-KEN2 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
E-Brake	(-)	LtGreen	LtGreen
Reverse Light*	(+)	Purple/White	Purple/White
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

* Reverse light wire: Only connect to radio or module damage will occur.

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 (RR2) Bluetooth activity	LED STATUS	DIAGNOSTIC
● or ●		RED or GREEN flashing	LED flashes 1 or more times, either red or green, **when a steering wheel button is pressed** : normal operation.
●		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do NOT use DEMO MODE.
●		2 RED flashes	Problem detected. Consult troubleshooting table.
●		1 GREEN flash	After radio boots up : Normal operation.
	●	3 GREEN flashes	Bluetooth is activated. Turns off after one minute: Normal operation.
●	●	OFF	Normal operation (inactive).

VIDEO HELP		Installation, product information, vehicle specific videos.
VERIFY FLASH		Last flash information, steering control configuration, vehicle information.
WEBLINK		Software to program module.

TROUBLESHOOTING TABLE P1 /2

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure OBDII connector is securely attached to the OBD2 connector of the vehicle. If you hardwired connections at the OBDII, check connections at the OBDII connector. Make sure the **RED/BROWN** wire is on **PIN 6** and the **YELLOW/BROWN** wire is connected to **PIN 14** of the OBDII connector. Do not use T-Taps. Soldering or military splicing methods are recommended. If anything else is connected to the OBD2 or CAN wires of vehicle (programmer, throttle controller, insurance tracker, etc.) try unplugging it to see if gauges work. If gauges work without it installed, call tech support for options. Reset the RR.
No sound from Onstar or OEM Satellite (if equipped).	Make sure the audio cable is installed and inserted into the correct location on the radio.
Trying to use the OEM Satellite and get "Check Tuner" message.	In order to access the OEM Satellite you must go into the radio sources and look for the one that says "Satellite Radio". The SiriusXM source is not the same as the OEM Satellite source.
When listening to the OEM Satellite radio, the turn signals don't make the clicking noise, but they do in any other source.	This is normal. The audio for OEM Satellite radio and the turn signal clicks both come from the audio cable. The Maestro unit cannot process 2 different audio signals at the same time, so the OEM Satellite is priority.
There is no turn signal clicking noise.	Find OEM Setup in the radio settings. Under Vehicle Feature settings, look for Turn Signal Reminder. If it is set to "Chime If Left On", it will not click. If you wish to hear turn signal clicks, this setting must be set to "Click In Speaker".
No sound from the Bose system (If equipped).	Make sure the amplifier turn on wire (Blue/White) of the T-Harness is connected to the radio's amplifier turn on wire. When flashing the Maestro make sure that the Amplifier in OEM Systems to Retain is selected. Make sure the RCA's are connected to the radio or the speaker wires are connected depending on your installation method.
Vehicle had the Bose system and it was bypassed, now there are no chimes.	Remove the Maestro and reflash it, making sure you uncheck the Amplifier option in the OEM Systems section of the flash.
Audio is very quiet or very loud.	Non amplified vehicles: ensure the AMP adapter is NOT plugged in between the white 8 pin plugs. Amplified vehicles: ensure the AMP adapter IS plugged in between the white 8 pin plugs.
(Vehicle using a HRR-GM2 harness only) Backup camera is not working and displays a black screen on radio when in reverse.	Ensure the 2-pin yellow plug is connected as shown on the diagram.
The light on the Maestro is flashing **RED ONCE**.	There is no firmware on the module; flash the RR module.
The radio is **ON** and the light on the Maestro is blinking **RED TWICE**.	Ensure the 4-pin data cable is connected between the radio and the RR, and that it is plugged into the black port on the Maestro RR. The red and blue ports on the RR should be empty. Make sure the correct radio model and serial number were entered during the flash. Verify the radio's serial number entered during the flash matches what is listed on the radio screen. This can be found in the settings of the radio, listed as Device Id, Device Number, or Serial Number.
The light on the Maestro is blinking **RED TWICE** but radio **is NOT** turning on.	If installing a modular radio and it is not turning on, ensure the screen is secured and any trim pieces on the radio have been installed fully. Not installing these fully will prevent radio from powering up and show a 2x red error as well. Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.

TROUBLESHOOTING TABLE P2 /2

MAESTRO RR RESET PROCEDURE:

Turn the key to the OFF position, then disconnect all connectors from the module.
Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).
Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds to show the reset was successful.

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

IMPORTANT: To ensure proper operation, the aftermarket radio needs to have the latest firmware from the manufacturer. Please visit the radio manufacturer's website and look for any updates pertaining to your radio.

INSTALL GUIDE

2007-2010
SATURN OUTLOOK

RETAINS STEERING WHEEL CONTROLS, ONSTAR, BLUETOOTH, XM SATELLITE AND MORE!



PRODUCTS REQUIRED

iDatalink Maestro RR or RR2 Radio Replacement Interface
iDatalink Maestro HRR-GM5+ Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-GM05-DS

ADDITIONAL RESOURCES

Maestro RR2 Programmable Outputs Guide

OPTIONAL ACCESSORIES

K40 ELECTRONICS
ESCORT

Click here for:
Radar Installation Guides

ACC-SP1

HEAD UNIT ADAPTER:
ACC-HU-PIO1, SON1, KEN1, KEN2, ALP1

NOTICE: Automotive Data Solutions Inc. (ADS) recommends having this installation performed by a certified technician. Logos and trademarks used here in are the properties of their respective owners.

WELCOME

Congratulations on the purchase of your iDatalink Maestro RR Radio replacement solution. You are now a few simple steps away from enjoying your new car radio with enhanced features.

Before starting your installation, please ensure that your iDatalink Maestro module is programmed with the correct firmware for your vehicle and that you carefully review the install guide.

Please note that Maestro RR will only retain functionalities that were originally available in the vehicle.

TABLE OF CONTENTS

Before Installing	3
Installation Instructions	4
Wiring Diagram with an Amplifier	5
Wiring Diagram without an Amplifier	6
Radio Wire Reference Chart	7
Module Diagnostics	8
Troubleshooting Table	9

NEED HELP?

1 866 427-2999

maestro.support@idatalink.com

BEFORE INSTALLING P1 /1

STEP 1

DETERMINE IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

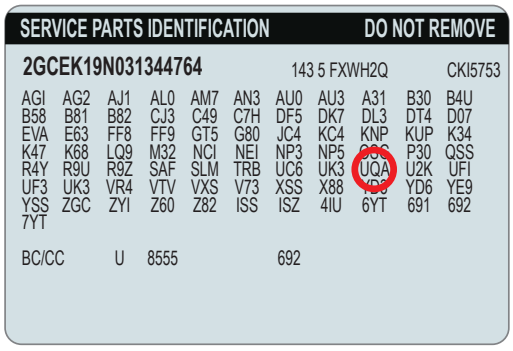
METHOD 1: Look for the following logos in the vehicle. They are usually on the speaker covers or on the radio unit. If you find any of the following logos Bose, Pioneer or Monsoon, you have a factory amplifier.

BOSE

Pioneer

MONSOON

METHOD 2: Look for the following sticker in the glove box. This sticker will indicate all the Regular Production Option (RPO) codes. If you find any of the following codes UQA, UQS or UQG, you have a factory amplifier.



STEP 2

IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **with an amplifier** and read the "**AMPLIFIER ONLY**" note to determine if you should use rca's or level matching circuits.

IF YOUR VEHICLE NOT IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **without an amplifier**.

Automotive Data Solutions Inc. © 2023

INSTALLATION INSTRUCTIONS P1/1

STEP 1

Remove the factory radio

If using head unit adapter (sold separately), connect HRR-GM5+ harness to adapter and skip to step 2.

- Unbox the aftermarket radio and locate its main harness.
- Cut and remove the black 20 pin connector from the HRR-GM5+ T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the HRR-GM5+ T-harness and match the wire functions.

  Note: only connect purple/white wire to radio reverse input or module damage will occur.

STEP 2

- Connect the factory harness to the HRR-GM5+ T-harness.
- Without AMP: Ensure that the WHITE 8 pin plugs are connected.
- With AMP: Connect the HRR-GM5+ 8 pin WHITE connectors to the AMP adapter.

STEP 3

- Connect HRR-GM5+ 2-pin black connector to black connector of OBDII extension harness.
- Plug the OBDII connector into the OBDII of the vehicle, under driver dash.

STEP 4

- Plug the harnesses into the aftermarket radio.
- Connect the backup camera RCA cable into the aftermarket radio.
- With AMP: Connect the Center and SUB RCA cables.
- Plug the Data cable to the data port of the aftermarket radio.
- Insert the Audio cable into the iDatalink 3.5 mm audio jack of the aftermarket radio (if there is no iDatalink audio input, connect to AUX).

  Note: On Pioneer radio, ensure that there is nothing plugged into the W/R port.

STEP 5

- Connect the ACC-SP1 speaker to Maestro module.
- Connect all the harnesses to the Maestro RR module then test your installation.

OnStar or warning chime adjust (Audio in vehicle speakers):

- Turn ignition (IGN) on
- Open driver's door

Select to adjust:

OnStar level - Press OnStar button.

Warning chime level - turn headlight switch to parking light position (not AUTO).

- Adjust volume using steering wheel volume up/down OR dimmer switch. If using dimmer switch, ensure headlight switch is NOT set to AUTO.

OnStar, turn signal, or warning chime adjust (Audio in GM5+ speaker):

- Find "OEM setup" menu in radio settings.

Under "Vehicle Features", select to adjust:

Onstar Volume - Level from 0-9

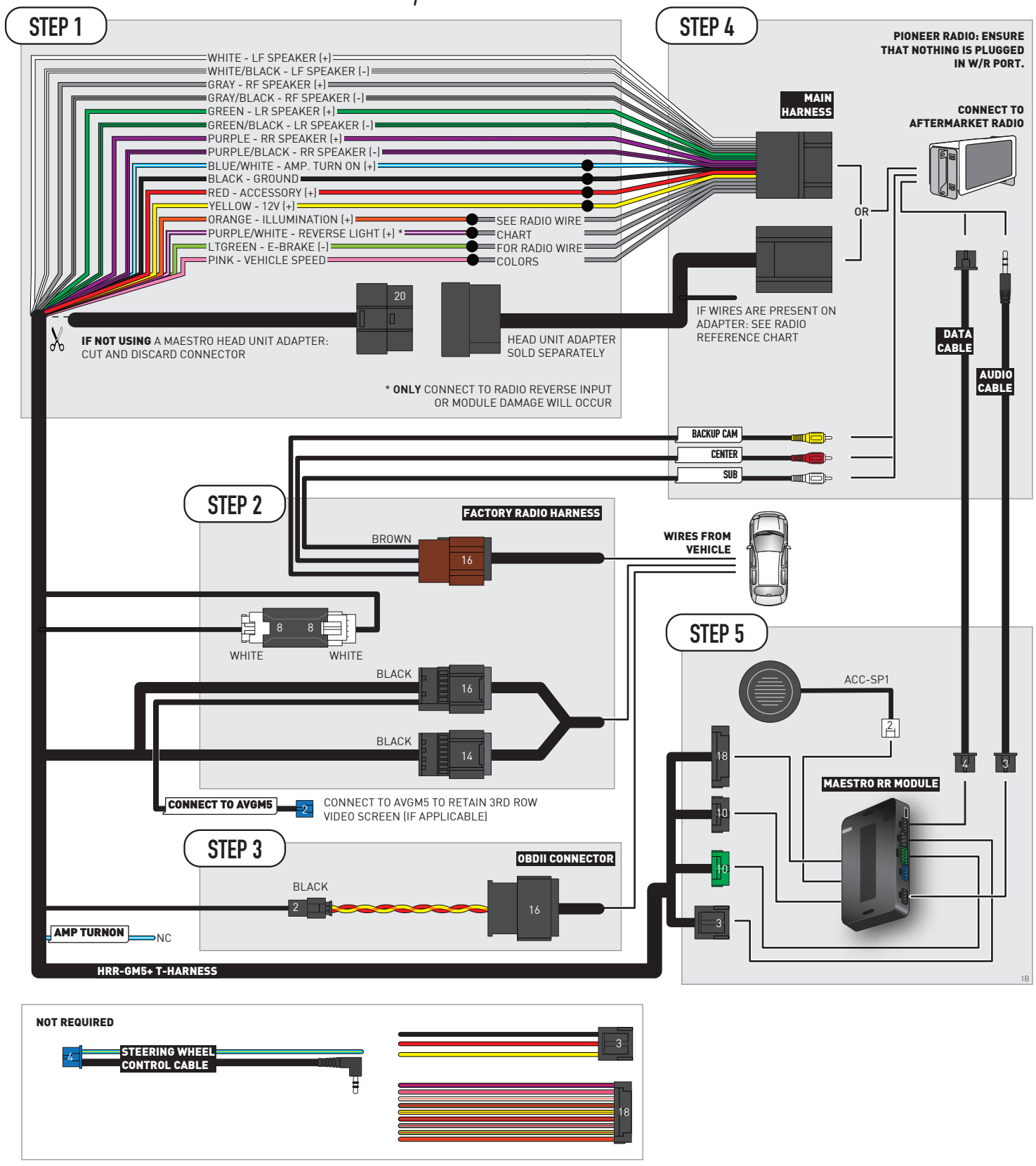
Chime Volume - Level from 0-9

Turn Signal Volume - 1-10

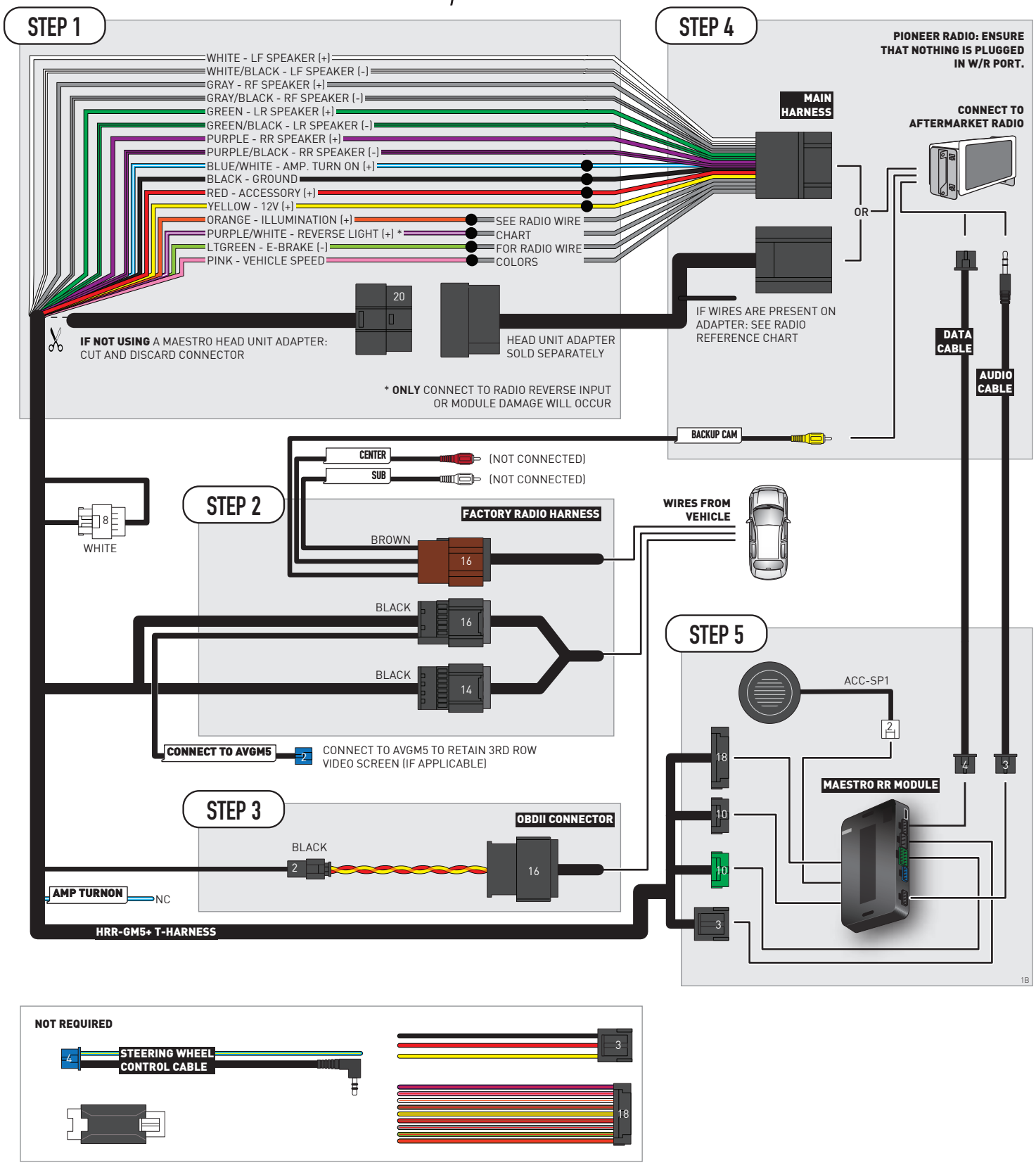
Turn Signal Reminder - Select "Click in speaker" for normal signal sounds. Select "Chime if left on" to only alert if turn signal is left on.

Automotive Data Solutions Inc. © 2023

WIRING DIAGRAM *with an Amplifier*



WIRING DIAGRAM *without an Amplifier*



RADIO WIRE REFERENCE CHART

GM5+ (GM2) T-harness Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/ JVC cable	Wire Color on Pioneer cable	Wire Color on Sony cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light*	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A
Power Antenna	(+)	Blue	Blue	Blue	Blue/White	Blue or Blue/White

Head unit adapter wiring (optional accessory, sold separately)

ACC-HU-ALP1 Wire Description	Polarity	Wire Color on Adapter	Alpine Radio
VSS (vehicle speed sensor)	(DATA)	Green/White	Green/White

ACC-HU-KEN1 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
CAM	(+)	Green/Red	Refer to camera/radio manual
CAM	(-)	Green/White	Refer to camera/radio manual
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

ACC-HU-KEN2 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
E-Brake	(-)	LtGreen	LtGreen
Reverse Light*	(+)	Purple/White	Purple/White
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

* Reverse light wire: Only connect to radio or module damage will occur.

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 (RR2) Bluetooth activity	LED STATUS	DIAGNOSTIC
● or ●		RED or GREEN flashing	LED flashes 1 or more times, either red or green, **when a steering wheel button is pressed** : normal operation.
●		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do NOT use DEMO MODE.
●		2 RED flashes	Problem detected. Consult troubleshooting table.
●		1 GREEN flash	After radio boots up : Normal operation.
	●	3 GREEN flashes	Bluetooth is activated. Turns off after one minute: Normal operation.
●	●	OFF	Normal operation (inactive).

VIDEO HELP		Installation, product information, vehicle specific videos.
VERIFY FLASH		Last flash information, steering control configuration, vehicle information.
WEBLINK		Software to program module.

TROUBLESHOOTING TABLE P1 /2

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure OBDII connector is securely attached to the OBD2 connector of the vehicle. If you hardwired connections at the OBDII, check connections at the OBDII connector. Make sure the **RED/BROWN** wire is on **PIN 6** and the **YELLOW/BROWN** wire is connected to **PIN 14** of the OBDII connector. Do not use T-Taps. Soldering or military splicing methods are recommended. If anything else is connected to the OBD2 or CAN wires of vehicle (programmer, throttle controller, insurance tracker, etc.) try unplugging it to see if gauges work. If gauges work without it installed, call tech support for options. Reset the RR.
No sound from Onstar or OEM Satellite (if equipped).	Make sure the audio cable is installed and inserted into the correct location on the radio.
Trying to use the OEM Satellite and get "Check Tuner" message.	In order to access the OEM Satellite you must go into the radio sources and look for the one that says "Satellite Radio". The SiriusXM source is not the same as the OEM Satellite source.
When listening to the OEM Satellite radio, the turn signals don't make the clicking noise, but they do in any other source.	This is normal. The audio for OEM Satellite radio and the turn signal clicks both come from the audio cable. The Maestro unit cannot process 2 different audio signals at the same time, so the OEM Satellite is priority.
There is no turn signal clicking noise.	Find OEM Setup in the radio settings. Under Vehicle Feature settings, look for Turn Signal Reminder. If it is set to "Chime If Left On", it will not click. If you wish to hear turn signal clicks, this setting must be set to "Click In Speaker".
No sound from the Bose system (If equipped).	Make sure the amplifier turn on wire (Blue/White) of the T-Harness is connected to the radio's amplifier turn on wire. When flashing the Maestro make sure that the Amplifier in OEM Systems to Retain is selected. Make sure the RCA's are connected to the radio or the speaker wires are connected depending on your installation method.
Vehicle had the Bose system and it was bypassed, now there are no chimes.	Remove the Maestro and reflash it, making sure you uncheck the Amplifier option in the OEM Systems section of the flash.
Audio is very quiet or very loud.	Non amplified vehicles: ensure the AMP adapter is NOT plugged in between the white 8 pin plugs. Amplified vehicles: ensure the AMP adapter IS plugged in between the white 8 pin plugs.
(Vehicle using a HRR-GM2 harness only) Backup camera is not working and displays a black screen on radio when in reverse.	Ensure the 2-pin yellow plug is connected as shown on the diagram.
The light on the Maestro is flashing **RED ONCE**.	There is no firmware on the module; flash the RR module.
The radio is **ON** and the light on the Maestro is blinking **RED TWICE**.	Ensure the 4-pin data cable is connected between the radio and the RR, and that it is plugged into the black port on the Maestro RR. The red and blue ports on the RR should be empty. Make sure the correct radio model and serial number were entered during the flash. Verify the radio's serial number entered during the flash matches what is listed on the radio screen. This can be found in the settings of the radio, listed as Device Id, Device Number, or Serial Number.
The light on the Maestro is blinking **RED TWICE** but radio **is NOT** turning on.	If installing a modular radio and it is not turning on, ensure the screen is secured and any trim pieces on the radio have been installed fully. Not installing these fully will prevent radio from powering up and show a 2x red error as well. Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.

TROUBLESHOOTING TABLE P2 /2

MAESTRO RR RESET PROCEDURE:

Turn the key to the OFF position, then disconnect all connectors from the module.
Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).
Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds to show the reset was successful.

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

IMPORTANT: To ensure proper operation, the aftermarket radio needs to have the latest firmware from the manufacturer. Please visit the radio manufacturer's website and look for any updates pertaining to your radio.

INSTALL GUIDE

2008-2010
SATURN VUE

RETAINS STEERING WHEEL CONTROLS, ONSTAR, BLUETOOTH, XM SATELLITE AND MORE!



PRODUCTS REQUIRED

iDatalink Maestro RR or RR2 Radio Replacement Interface
iDatalink Maestro HRR-GM5+ Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-GM05-DS

ADDITIONAL RESOURCES

Maestro RR2 Programmable Outputs Guide

OPTIONAL ACCESSORIES

K40 ELECTRONICS
ESCORT

Click here for:
Radar Installation Guides

ACC-SP1

HEAD UNIT ADAPTER:
ACC-HU-PIO1, SON1, KEN1, KEN2, ALP1

NOTICE: Automotive Data Solutions Inc. (ADS) recommends having this installation performed by a certified technician. Logos and trademarks used here in are the properties of their respective owners.

WELCOME

Congratulations on the purchase of your iDatalink Maestro RR Radio replacement solution. You are now a few simple steps away from enjoying your new car radio with enhanced features.

Before starting your installation, please ensure that your iDatalink Maestro module is programmed with the correct firmware for your vehicle and that you carefully review the install guide.

Please note that Maestro RR will only retain functionalities that were originally available in the vehicle.

TABLE OF CONTENTS

Before Installing	3
Installation Instructions	4
Wiring Diagram with an Amplifier	5
Wiring Diagram without an Amplifier	6
Radio Wire Reference Chart	7
Module Diagnostics	8
Troubleshooting Table	9

NEED HELP?

1 866 427-2999

maestro.support@idatalink.com

BEFORE INSTALLING P1 /1

STEP 1

DETERMINE IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

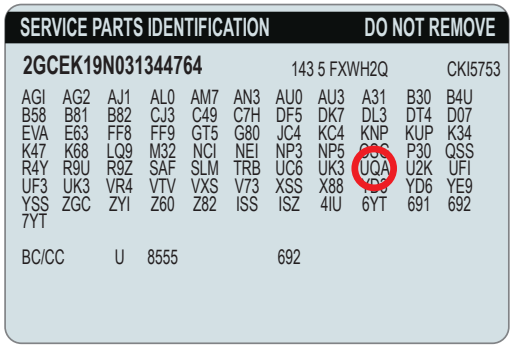
METHOD 1: Look for the following logos in the vehicle. They are usually on the speaker covers or on the radio unit. If you find any of the following logos Bose, Pioneer or Monsoon, you have a factory amplifier.

BOSE

Pioneer

MONSOON

METHOD 2: Look for the following sticker in the glove box. This sticker will indicate all the Regular Production Option (RPO) codes. If you find any of the following codes UQA, UQS or UQG, you have a factory amplifier.



STEP 2

IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **with an amplifier** and read the "**AMPLIFIER ONLY**" note to determine if you should use rca's or level matching circuits.

IF YOUR VEHICLE NOT IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **without an amplifier**.

Automotive Data Solutions Inc. © 2023

INSTALLATION INSTRUCTIONS P1/1

STEP 1

Remove the factory radio

If using head unit adapter (sold separately), connect HRR-GM5+ harness to adapter and skip to step 2.

- Unbox the aftermarket radio and locate its main harness.
- Cut and remove the black 20 pin connector from the HRR-GM5+ T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the HRR-GM5+ T-harness and match the wire functions.

  Note: only connect purple/white wire to radio reverse input or module damage will occur.

STEP 2

- Connect the factory harness to the HRR-GM5+ T-harness.
- Without AMP: Ensure that the WHITE 8 pin plugs are connected.
- With AMP: Connect the HRR-GM5+ 8 pin WHITE connectors to the AMP adapter.

STEP 3

- Connect HRR-GM5+ 2-pin black connector to black connector of OBDII extension harness.
- Plug the OBDII connector into the OBDII of the vehicle, under driver dash.

STEP 4

- Plug the harnesses into the aftermarket radio.
- Connect the backup camera RCA cable into the aftermarket radio.
- With AMP: Connect the Center and SUB RCA cables.
- Plug the Data cable to the data port of the aftermarket radio.
- Insert the Audio cable into the iDatalink 3.5 mm audio jack of the aftermarket radio (if there is no iDatalink audio input, connect to AUX).

  Note: On Pioneer radio, ensure that there is nothing plugged into the W/R port.

STEP 5

- Connect the ACC-SP1 speaker to Maestro module.
- Connect all the harnesses to the Maestro RR module then test your installation.

OnStar or warning chime adjust (Audio in vehicle speakers):

- Turn ignition (IGN) on
- Open driver's door

Select to adjust:

OnStar level - Press OnStar button.

Warning chime level - turn headlight switch to parking light position (not AUTO).

- Adjust volume using steering wheel volume up/down OR dimmer switch. If using dimmer switch, ensure headlight switch is NOT set to AUTO.

OnStar, turn signal, or warning chime adjust (Audio in GM5+ speaker):

- Find "OEM setup" menu in radio settings.

Under "Vehicle Features", select to adjust:

Onstar Volume - Level from 0-9

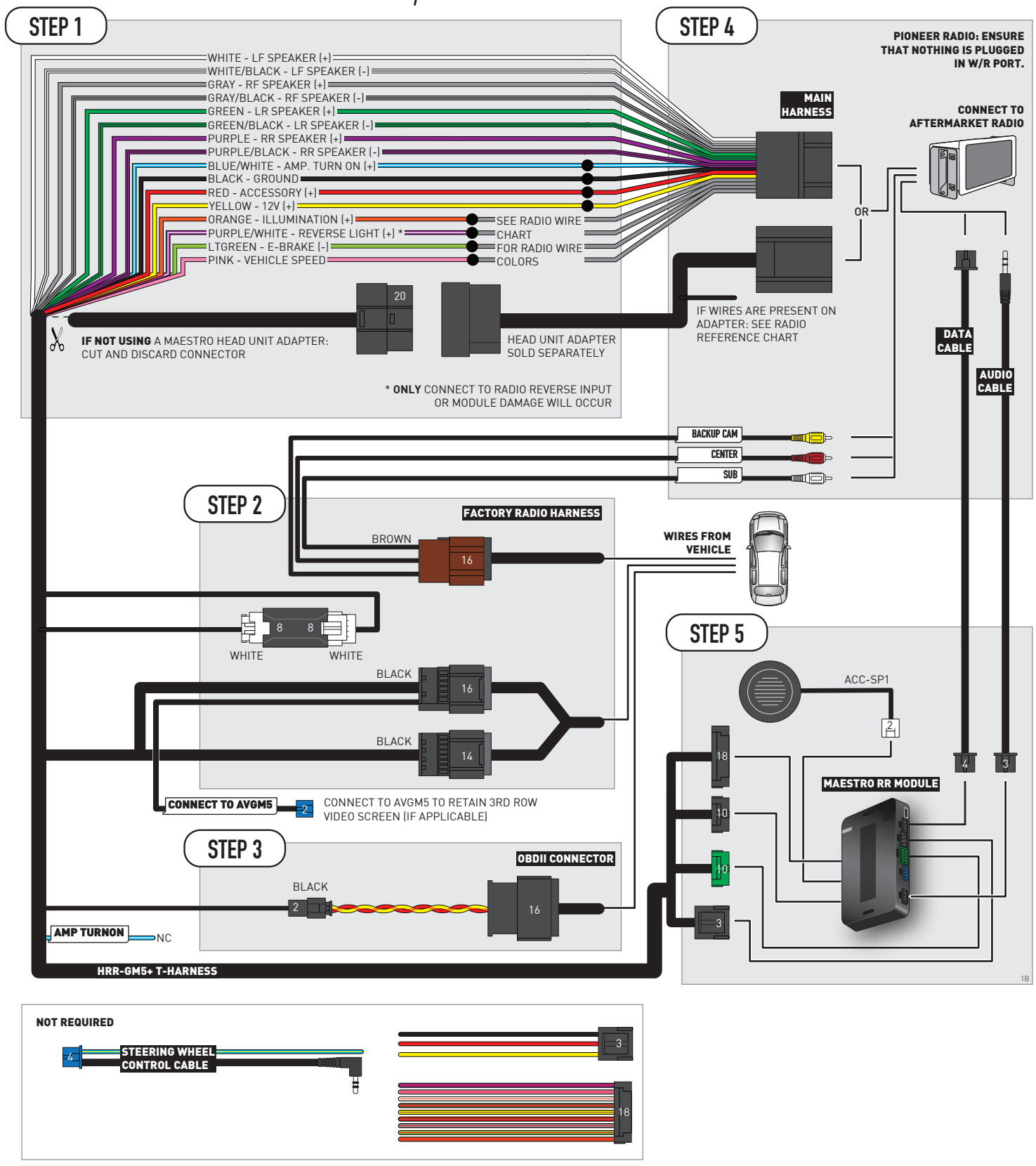
Chime Volume - Level from 0-9

Turn Signal Volume - 1-10

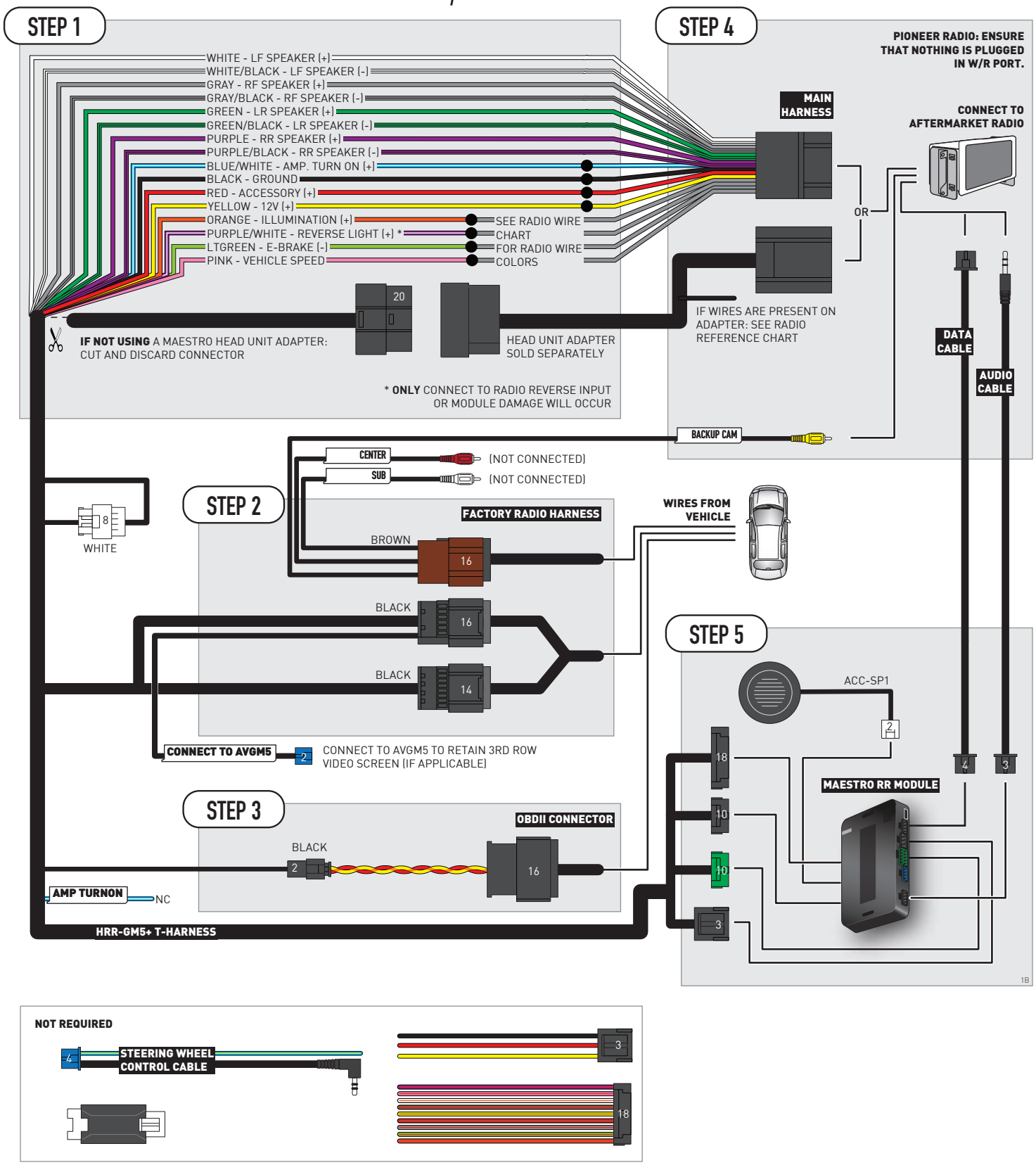
Turn Signal Reminder - Select "Click in speaker" for normal signal sounds. Select "Chime if left on" to only alert if turn signal is left on.

1

WIRING DIAGRAM *with an Amplifier*



WIRING DIAGRAM *without an Amplifier*



RADIO WIRE REFERENCE CHART

GM5+ (GM2) T-harness Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/ JVC cable	Wire Color on Pioneer cable	Wire Color on Sony cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light*	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A
Power Antenna	(+)	Blue	Blue	Blue	Blue/White	Blue or Blue/White

Head unit adapter wiring (optional accessory, sold separately)

ACC-HU-ALP1 Wire Description	Polarity	Wire Color on Adapter	Alpine Radio
VSS (vehicle speed sensor)	(DATA)	Green/White	Green/White

ACC-HU-KEN1 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
CAM	(+)	Green/Red	Refer to camera/radio manual
CAM	(-)	Green/White	Refer to camera/radio manual
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

ACC-HU-KEN2 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
E-Brake	(-)	LtGreen	LtGreen
Reverse Light*	(+)	Purple/White	Purple/White
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

* Reverse light wire: Only connect to radio or module damage will occur.

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 (RR2) Bluetooth activity	LED STATUS	DIAGNOSTIC
● or ●		RED or GREEN flashing	LED flashes 1 or more times, either red or green, **when a steering wheel button is pressed** : normal operation.
●		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do NOT use DEMO MODE.
●		2 RED flashes	Problem detected. Consult troubleshooting table.
●		1 GREEN flash	After radio boots up : Normal operation.
	●	3 GREEN flashes	Bluetooth is activated. Turns off after one minute: Normal operation.
●	●	OFF	Normal operation (inactive).

VIDEO HELP		Installation, product information, vehicle specific videos.
VERIFY FLASH		Last flash information, steering control configuration, vehicle information.
WEBLINK		Software to program module.

TROUBLESHOOTING TABLE P1 /2

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure OBDII connector is securely attached to the OBD2 connector of the vehicle. If you hardwired connections at the OBDII, check connections at the OBDII connector. Make sure the **RED/BROWN** wire is on **PIN 6** and the **YELLOW/BROWN** wire is connected to **PIN 14** of the OBDII connector. Do not use T-Taps. Soldering or military splicing methods are recommended. If anything else is connected to the OBD2 or CAN wires of vehicle (programmer, throttle controller, insurance tracker, etc.) try unplugging it to see if gauges work. If gauges work without it installed, call tech support for options. Reset the RR.
No sound from Onstar or OEM Satellite (if equipped).	Make sure the audio cable is installed and inserted into the correct location on the radio.
Trying to use the OEM Satellite and get "Check Tuner" message.	In order to access the OEM Satellite you must go into the radio sources and look for the one that says "Satellite Radio". The SiriusXM source is not the same as the OEM Satellite source.
When listening to the OEM Satellite radio, the turn signals don't make the clicking noise, but they do in any other source.	This is normal. The audio for OEM Satellite radio and the turn signal clicks both come from the audio cable. The Maestro unit cannot process 2 different audio signals at the same time, so the OEM Satellite is priority.
There is no turn signal clicking noise.	Find OEM Setup in the radio settings. Under Vehicle Feature settings, look for Turn Signal Reminder. If it is set to "Chime If Left On", it will not click. If you wish to hear turn signal clicks, this setting must be set to "Click In Speaker".
No sound from the Bose system (If equipped).	Make sure the amplifier turn on wire (Blue/White) of the T-Harness is connected to the radio's amplifier turn on wire. When flashing the Maestro make sure that the Amplifier in OEM Systems to Retain is selected. Make sure the RCA's are connected to the radio or the speaker wires are connected depending on your installation method.
Vehicle had the Bose system and it was bypassed, now there are no chimes.	Remove the Maestro and reflash it, making sure you uncheck the Amplifier option in the OEM Systems section of the flash.
Audio is very quiet or very loud.	Non amplified vehicles: ensure the AMP adapter is NOT plugged in between the white 8 pin plugs. Amplified vehicles: ensure the AMP adapter IS plugged in between the white 8 pin plugs.
(Vehicle using a HRR-GM2 harness only) Backup camera is not working and displays a black screen on radio when in reverse.	Ensure the 2-pin yellow plug is connected as shown on the diagram.
The light on the Maestro is flashing **RED ONCE**.	There is no firmware on the module; flash the RR module.
The radio is **ON** and the light on the Maestro is blinking **RED TWICE**.	Ensure the 4-pin data cable is connected between the radio and the RR, and that it is plugged into the black port on the Maestro RR. The red and blue ports on the RR should be empty. Make sure the correct radio model and serial number were entered during the flash. Verify the radio's serial number entered during the flash matches what is listed on the radio screen. This can be found in the settings of the radio, listed as Device Id, Device Number, or Serial Number.
The light on the Maestro is blinking **RED TWICE** but radio **is NOT** turning on.	If installing a modular radio and it is not turning on, ensure the screen is secured and any trim pieces on the radio have been installed fully. Not installing these fully will prevent radio from powering up and show a 2x red error as well. Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.

TROUBLESHOOTING TABLE P2 /2

MAESTRO RR RESET PROCEDURE:

Turn the key to the OFF position, then disconnect all connectors from the module.
Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).
Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds to show the reset was successful.

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

IMPORTANT: To ensure proper operation, the aftermarket radio needs to have the latest firmware from the manufacturer. Please visit the radio manufacturer's website and look for any updates pertaining to your radio.