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.

INSTALL GUIDE

2015-2017
CHRYSLER 300

RETAINS STEERING WHEEL CONTROLS, VEHICLE SETTINGS, AND MORE!

PRODUCTS REQUIRED

iDatalink Maestro RR or RR2 Radio Replacement Interface
iDatalink Maestro CH3 Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-CHR03-DS

ADDITIONAL RESOURCES

Maestro RR2 Programmable Outputs Guide

OPTIONAL ACCESSORIES

K40 ELECTRONICS
ESCORT

ACC-SP1

Click here for:
Radar Installation Guides

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

NEED HELP?

1 866 427-2999

maestro.support@idatalink.com

maestro.idatalink.com/support
www.12voltdata.com/forum

INSTALLATION INSTRUCTIONS

STEP 1

- Unbox the aftermarket radio and locate its main harness.
- Connect the wires shown on the next page from aftermarket radio main harness to the CH3 T-harness and match the wire functions.

STEP 2

- Determine if the vehicle has a factory amplifier. Look for badges on the radio, door panels and dash that indicate the presence of an amplifier (ex: Alpine).

If the vehicle DOES NOT have a factory amplifier:

- Plug the female GREEN connector to the male GREEN connector of your CH3 T-harness.
- Plug the female WHITE connector to the male WHITE connector of your CH3 T-harness.

If the vehicle DOES have a factory amplifier:

- Plug the female GREEN connector to the male WHITE connector of your CH3 T-harness.
- Plug the female WHITE connector to the male GREEN connector of your CH3 T-harness.

- Remove the factory radio.

STEP 3

- Connect the factory harness to the CH3 T-harness.

STEP 4

- Plug the aftermarket radio harnesses 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.

  If the vehicle is equipped with parking sensors AND using an Alpine radio: plug Audio cable in auxiliary input of the radio.

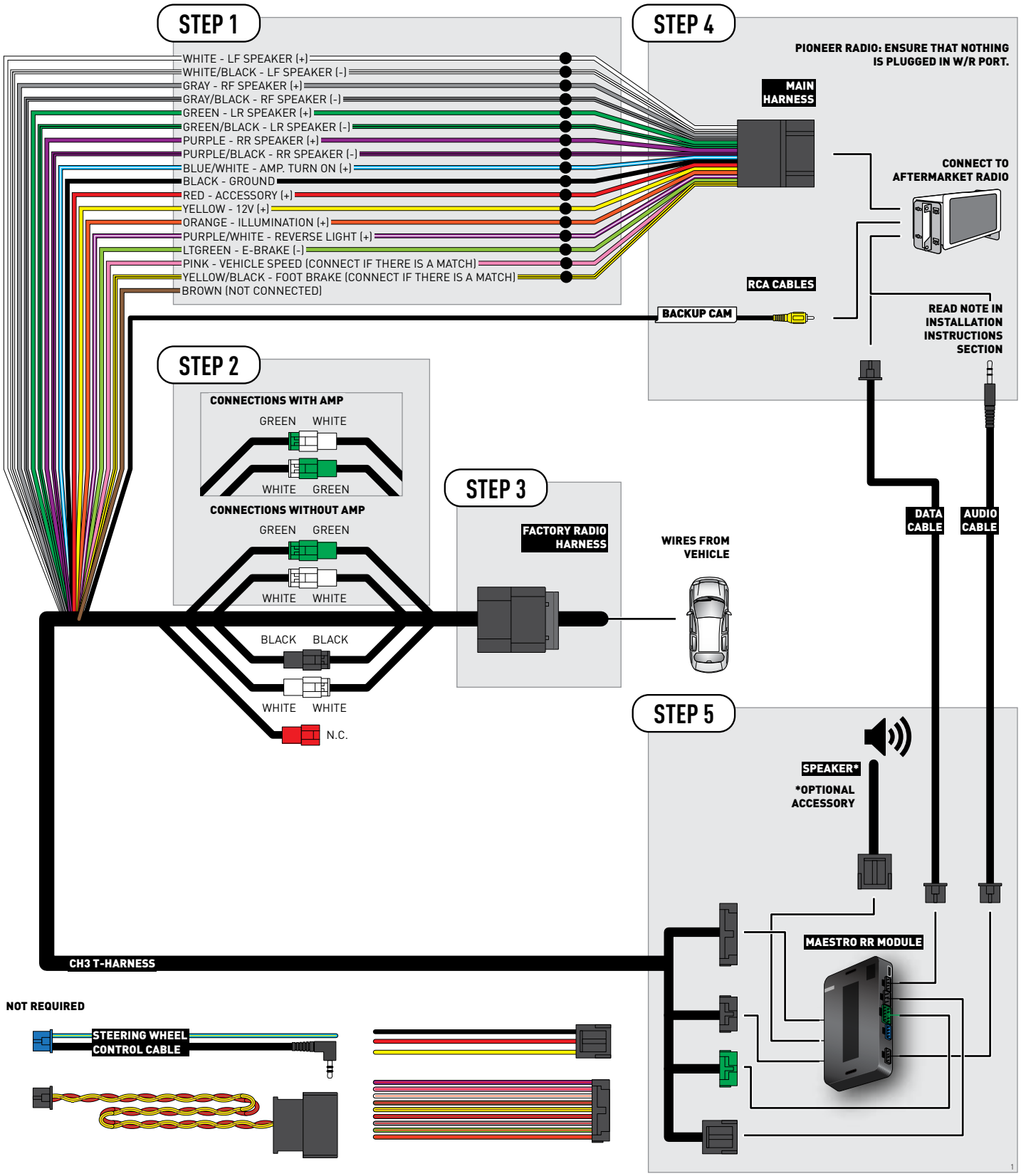
STEP 5

- Connect all the harnesses to the Maestro RR module then test your installation.
- If the vehicle is equipped with OEM parking assist, lane departure, or other safety systems, the ACC-SP1 is required: Plug the ACC-SP1 the Maestro RR.

  If you are not using this speaker, the radio will mute when the parking assist is active. If you are using this speaker, the parking assist chimes will play through the external speaker and the radio will not mute unless the settings are changed in the radio.

1

WIRING DIAGRAM



RADIO WIRE REFERENCE CHART

Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood 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
Foot Brake	(+)	Yellow/Black	Yellow/Black	N/A	N/A	N/A
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A

TROUBLESHOOTING TABLE

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure connector is securely attached at the CAN junction block. If you hardwired connections at the CAN junction block, double check them. Make sure the **YELLOW/BROWN** wire is connected to **YELLOW** wire of the CAN junction block and the **RED/BROWN** wire is connected to the other wire in the connector (the color varies). Do not use T-Taps. Soldering or military splicing methods are recommended. Reset the RR.
When making a phone call you cannot hear the callers but they can hear you.	Make sure that the 4-pin green and white connectors in the harness are plugged in correctly as stated in step 2.
The radio stays ON or the radio doesn't come ON at all.	Make sure the 2-pin colored connectors in the harness are connected correctly as stated in step 2.
The light on the Maestro is flashing **RED ONCE**.	There is no firmware on the module; flash the RR module.
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.

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

Web: maestro.idatalink.com/support add www.12voltdata.com/forum/

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.

INSTALL GUIDE

2016-2018
FIAT 500

RETAINS STEERING WHEEL CONTROLS, VEHICLE SETTINGS, AND MORE!

PRODUCTS REQUIRED

iDatalink Maestro RR or RR2 Radio Replacement Interface
iDatalink Maestro CH3 Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-CHR03E-DS

ADDITIONAL RESOURCES

Maestro RR2 Programmable Outputs Guide

OPTIONAL ACCESSORIES

K40 ELECTRONICS
ESCORT

Click here for:
Radar Installation Guides

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

NEED HELP?

1 866 427-2999

maestro.support@idatalink.com

maestro.idatalink.com/support
www.12voltdata.com/forum

INSTALLATION INSTRUCTIONS P1/1

STEP 1

- Unbox the aftermarket radio and locate its main harness.
- Connect the wires shown on the next page from aftermarket radio main harness to the CH3 T-harness and match the wire functions.

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

STEP 2

- Unplug the female WHITE 2 pin connector and plug it to the male RED connector of your CH3 T-harness. The male WHITE 2 pin connector will remain disconnected.
- Unplug the BLACK 2 pin connector of your CH3 T-harness. The female BLACK 2 pin connector will remain disconnected.
- Remove the factory radio.

STEP 3

- Plug the male BLACK 2 pin connector of your CH3 T-harness into the OBDII connector.
- Plug the OBDII connector into the OBDII of the vehicle.

STEP 4

- Connect the factory harness to the CH3 T-harness.

STEP 5

- Plug the aftermarket radio harnesses 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).

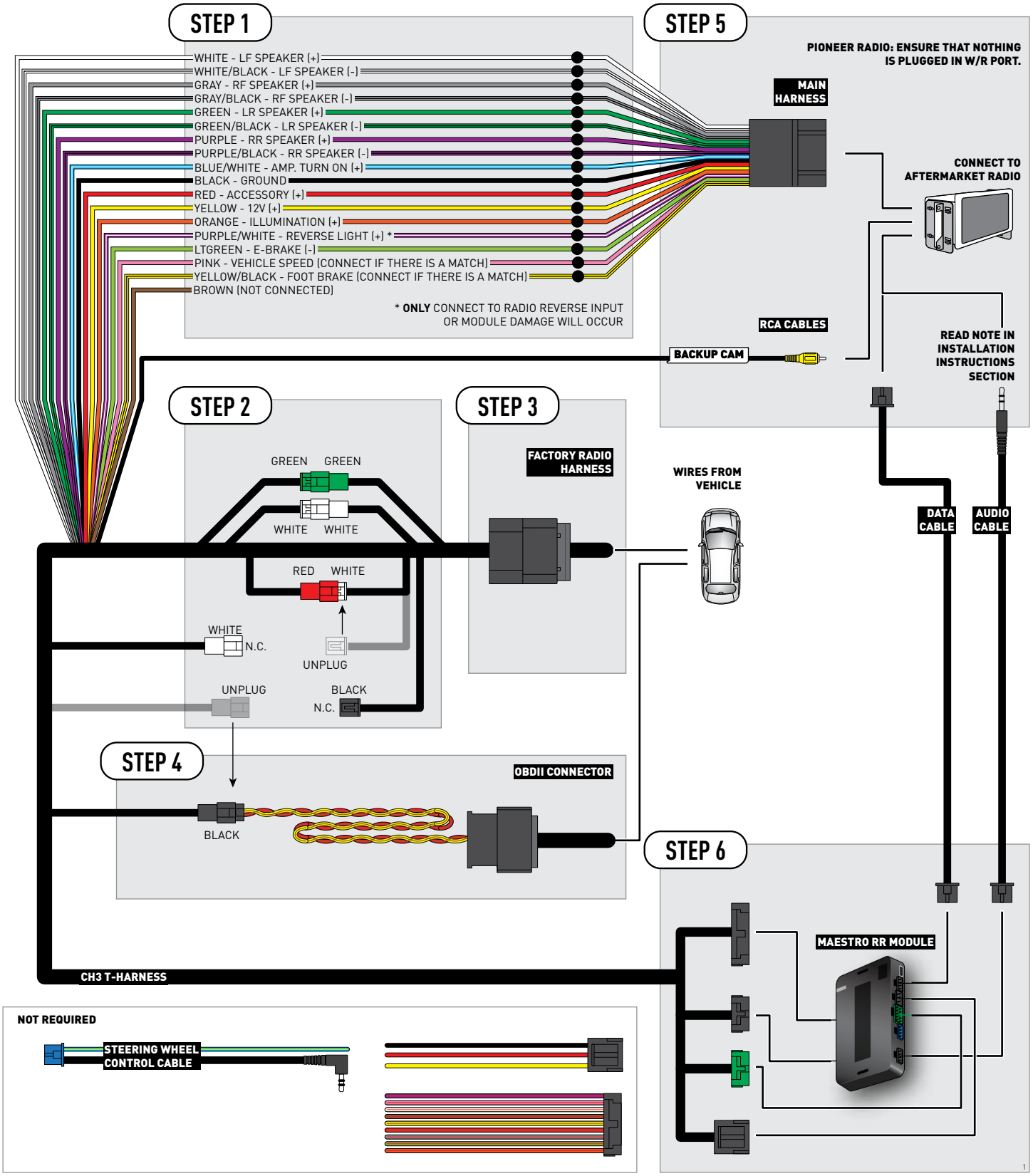
  Note: On Pioneer radio, ensure that there is nothing plugged into the W/R port.

STEP 6

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

1

WIRING DIAGRAM



RADIO WIRE REFERENCE CHART

Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood 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
Foot Brake	(+)	Yellow/Black	Yellow/Black	N/A	N/A	N/A
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A

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

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. Reset the RR.
On a phone call, you cannot hear the call, but the caller can hear you.	Make sure that the 4-pin green and white connectors in the harness are plugged in correctly as stated in step 2.
The radio stays ON.	Make sure the 2-pin connectors in the harness are connected as stated in step 2.
The radio does not turn ON at all.	Make sure the 2-pin connectors in the harness are connected as stated in step 2. If you have a multimeter, turn the key on and check for DC voltage at the maestro's heavy gauge 3-pin plug (red, yellow, and black wires). The Maestro must be plugged in to get an accurate measurement. If there is 12 volts on the red and yellow, the Maestro is working correctly and sending power out to turn on the radio. If no voltage on either, check the inline fuse and then the vehicle's fuse for the radio circuit.
The light on the Maestro is flashing **RED ONCE**.	There is no firmware on the module; flash the RR module.
The light on the Maestro is blinking **RED TWICE** and the radio **IS** turning on.	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 the radio is **NOT** turning on.	If installing a floating screen type 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.

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

Web: maestro.idatalink.com/support add www.12voltdata.com/forum/

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

2014-2020
FIAT 500L

RETAINS STEERING WHEEL CONTROLS, VEHICLE SETTINGS, AND MORE!

PRODUCTS REQUIRED

iDatalink Maestro RR or RR2 Radio Replacement Interface
iDatalink Maestro CH3 Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-CHR03E-DS

ADDITIONAL RESOURCES

Maestro RR2 Programmable Outputs Guide

OPTIONAL ACCESSORIES

K40 ELECTRONICS
ESCORT

Click here for:
Radar Installation Guides

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

NEED HELP?

1 866 427-2999

maestro.support@idatalink.com

maestro.idatalink.com/support
www.12voltdata.com/forum

INSTALLATION INSTRUCTIONS P1/1

STEP 1

- Unbox the aftermarket radio and locate its main harness.
- Connect the wires shown on the next page from aftermarket radio main harness to the CH3 T-harness and match the wire functions.

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

STEP 2

- Unplug the female WHITE 2 pin connector and plug it to the male RED connector of your CH3 T-harness. The male WHITE 2 pin connector will remain disconnected.
- Unplug the BLACK 2 pin connector of your CH3 T-harness. The female BLACK 2 pin connector will remain disconnected.
- Remove the factory radio.

STEP 3

- Plug the male BLACK 2 pin connector of your CH3 T-harness into the OBDII connector.
- Plug the OBDII connector into the OBDII of the vehicle.

STEP 4

- Connect the factory harness to the CH3 T-harness.

STEP 5

- Plug the aftermarket radio harnesses 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).

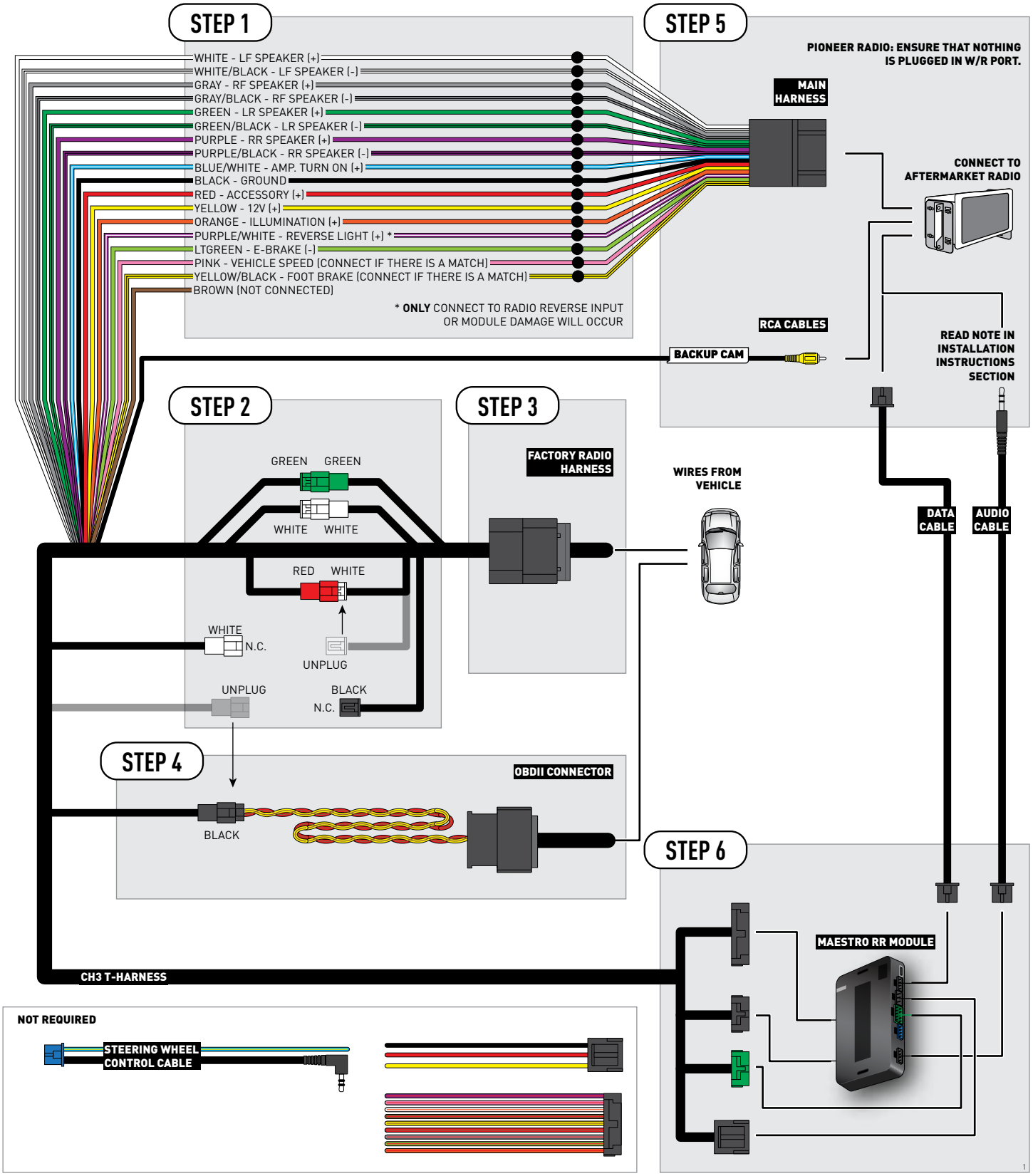
  Note: On Pioneer radio, ensure that there is nothing plugged into the W/R port.

STEP 6

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

1

WIRING DIAGRAM



RADIO WIRE REFERENCE CHART

Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood 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
Foot Brake	(+)	Yellow/Black	Yellow/Black	N/A	N/A	N/A
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A

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

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. Reset the RR.
On a phone call, you cannot hear the call, but the caller can hear you.	Make sure that the 4-pin green and white connectors in the harness are plugged in correctly as stated in step 2.
The radio stays ON.	Make sure the 2-pin connectors in the harness are connected as stated in step 2.
The radio does not turn ON at all.	Make sure the 2-pin connectors in the harness are connected as stated in step 2. If you have a multimeter, turn the key on and check for DC voltage at the maestro's heavy gauge 3-pin plug (red, yellow, and black wires). The Maestro must be plugged in to get an accurate measurement. If there is 12 volts on the red and yellow, the Maestro is working correctly and sending power out to turn on the radio. If no voltage on either, check the inline fuse and then the vehicle's fuse for the radio circuit.
The light on the Maestro is flashing **RED ONCE**.	There is no firmware on the module; flash the RR module.
The light on the Maestro is blinking **RED TWICE** and the radio **IS** turning on.	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 the radio is **NOT** turning on.	If installing a floating screen type 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.

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

Web: maestro.idatalink.com/support add www.12voltdata.com/forum/

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

2014-2021
RAM PROMASTER

RETAINS STEERING WHEEL CONTROLS, VEHICLE SETTINGS, AND MORE!

PRODUCTS REQUIRED

iDatalink Maestro RR or RR2 Radio Replacement Interface
iDatalink Maestro CH3 Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-CHR03E-DS

ADDITIONAL RESOURCES

Maestro RR2 Programmable Outputs Guide

OPTIONAL ACCESSORIES

K40 ELECTRONICS
ESCORT

Click here for:
Radar Installation Guides

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

NEED HELP?

1 866 427-2999

maestro.support@idatalink.com

maestro.idatalink.com/support
www.12voltdata.com/forum

INSTALLATION INSTRUCTIONS P1/1

STEP 1

- Unbox the aftermarket radio and locate its main harness.
- Connect the wires shown on the next page from aftermarket radio main harness to the CH3 T-harness and match the wire functions.

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

STEP 2

- Unplug the female WHITE 2 pin connector and plug it to the male RED connector of your CH3 T-harness. The male WHITE 2 pin connector will remain disconnected.
- Unplug the BLACK 2 pin connector of your CH3 T-harness. The female BLACK 2 pin connector will remain disconnected.
- Remove the factory radio.

STEP 3

- Plug the male BLACK 2 pin connector of your CH3 T-harness into the OBDII connector.
- Plug the OBDII connector into the OBDII of the vehicle.

STEP 4

- Connect the factory harness to the CH3 T-harness.

STEP 5

- Plug the aftermarket radio harnesses 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).

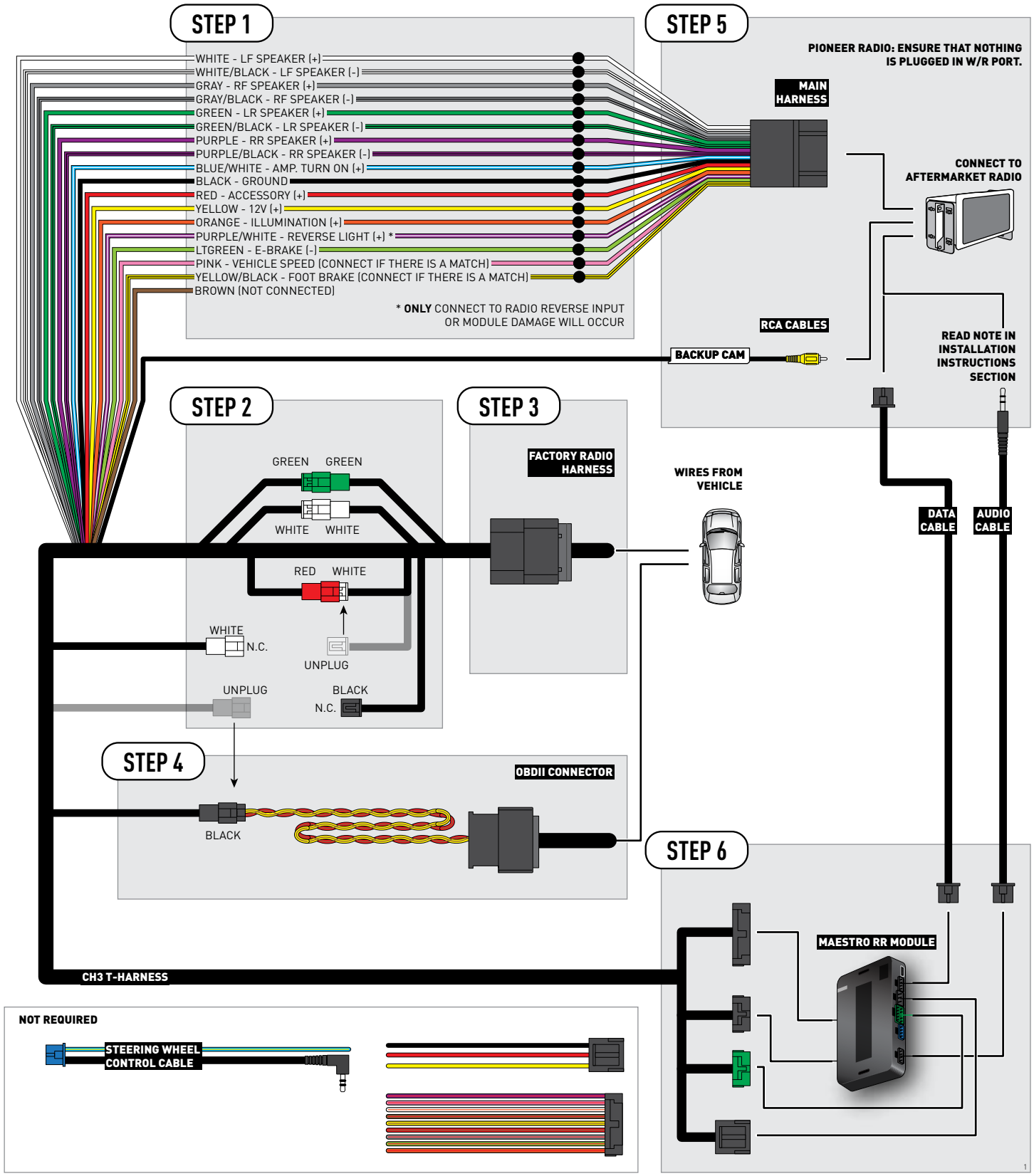
  Note: On Pioneer radio, ensure that there is nothing plugged into the W/R port.

STEP 6

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

1

WIRING DIAGRAM



RADIO WIRE REFERENCE CHART

Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood 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
Foot Brake	(+)	Yellow/Black	Yellow/Black	N/A	N/A	N/A
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A

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

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. Reset the RR.
On a phone call, you cannot hear the call, but the caller can hear you.	Make sure that the 4-pin green and white connectors in the harness are plugged in correctly as stated in step 2.
The radio stays ON.	Make sure the 2-pin connectors in the harness are connected as stated in step 2.
The radio does not turn ON at all.	Make sure the 2-pin connectors in the harness are connected as stated in step 2. If you have a multimeter, turn the key on and check for DC voltage at the maestro's heavy gauge 3-pin plug (red, yellow, and black wires). The Maestro must be plugged in to get an accurate measurement. If there is 12 volts on the red and yellow, the Maestro is working correctly and sending power out to turn on the radio. If no voltage on either, check the inline fuse and then the vehicle's fuse for the radio circuit.
The light on the Maestro is flashing **RED ONCE**.	There is no firmware on the module; flash the RR module.
The light on the Maestro is blinking **RED TWICE** and the radio **IS** turning on.	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 the radio is **NOT** turning on.	If installing a floating screen type 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.

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

Web: maestro.idatalink.com/support add www.12voltdata.com/forum/

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

2015-2022
RAM PROMASTER CITY

RETAINS STEERING WHEEL CONTROLS, VEHICLE SETTINGS, AND MORE!

PRODUCTS REQUIRED

iDatalink Maestro RR or RR2 Radio Replacement Interface
iDatalink Maestro CH3 Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-CHR03E-DS

ADDITIONAL RESOURCES

Maestro RR2 Programmable Outputs Guide

OPTIONAL ACCESSORIES

K40 ELECTRONICS
ESCORT

Click here for:
Radar Installation Guides

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

NEED HELP?

1 866 427-2999

maestro.support@idatalink.com

maestro.idatalink.com/support
www.12voltdata.com/forum

INSTALLATION INSTRUCTIONS P1/1

STEP 1

- Unbox the aftermarket radio and locate its main harness.
- Connect the wires shown on the next page from aftermarket radio main harness to the CH3 T-harness and match the wire functions.

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

STEP 2

- Unplug the female WHITE 2 pin connector and plug it to the male RED connector of your CH3 T-harness. The male WHITE 2 pin connector will remain disconnected.
- Unplug the BLACK 2 pin connector of your CH3 T-harness. The female BLACK 2 pin connector will remain disconnected.
- Remove the factory radio.

STEP 3

- Plug the male BLACK 2 pin connector of your CH3 T-harness into the OBDII connector.
- Plug the OBDII connector into the OBDII of the vehicle.

STEP 4

- Connect the factory harness to the CH3 T-harness.

STEP 5

- Plug the aftermarket radio harnesses 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).

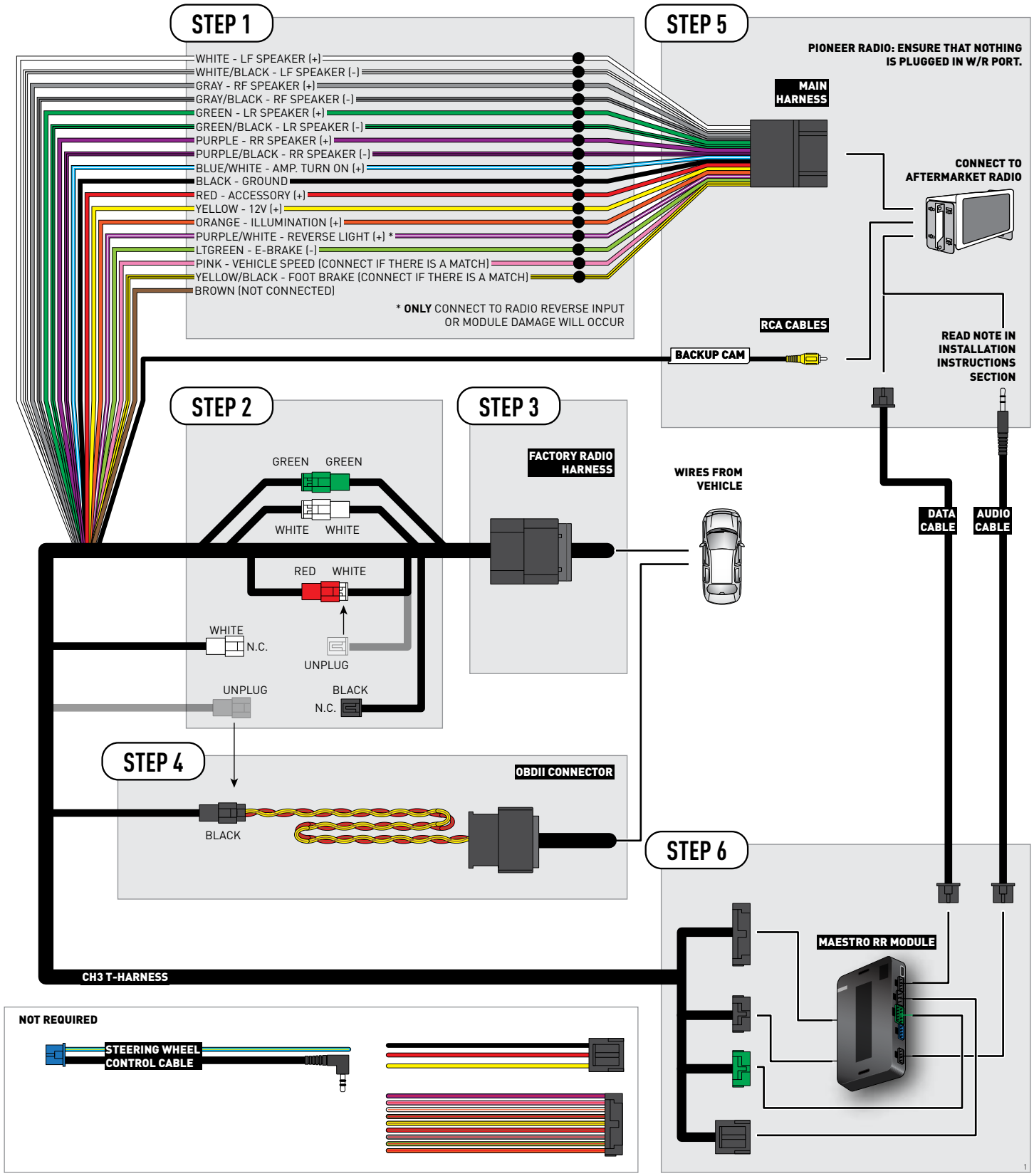
  Note: On Pioneer radio, ensure that there is nothing plugged into the W/R port.

STEP 6

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

1

WIRING DIAGRAM



RADIO WIRE REFERENCE CHART

Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood 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
Foot Brake	(+)	Yellow/Black	Yellow/Black	N/A	N/A	N/A
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A

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

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. Reset the RR.
On a phone call, you cannot hear the call, but the caller can hear you.	Make sure that the 4-pin green and white connectors in the harness are plugged in correctly as stated in step 2.
The radio stays ON.	Make sure the 2-pin connectors in the harness are connected as stated in step 2.
The radio does not turn ON at all.	Make sure the 2-pin connectors in the harness are connected as stated in step 2. If you have a multimeter, turn the key on and check for DC voltage at the maestro's heavy gauge 3-pin plug (red, yellow, and black wires). The Maestro must be plugged in to get an accurate measurement. If there is 12 volts on the red and yellow, the Maestro is working correctly and sending power out to turn on the radio. If no voltage on either, check the inline fuse and then the vehicle's fuse for the radio circuit.
The light on the Maestro is flashing **RED ONCE**.	There is no firmware on the module; flash the RR module.
The light on the Maestro is blinking **RED TWICE** and the radio **IS** turning on.	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 the radio is **NOT** turning on.	If installing a floating screen type 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.

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

Web: maestro.idatalink.com/support add www.12voltdata.com/forum/

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.

OWNER'S GUIDE
CH3 & ALPINE RADIO

RETAINS STEERING WHEEL CONTROLS,
FACTORY SETTINGS AND MORE!

PRODUCTS REQUIRED
- iDatalink Maestro RR Radio Replacement Interface
- CH3 Installation Harness

OPTIONAL ACCESSORIES
- ADS-SP1

PROGRAMMED FIRMWARE
ADS-RR(SR)-CHR03-DS

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.

This guide is a great addition to both the vehicle owner's guide and the aftermarket radio owner's guide. We recommand having both these documents handy as they cover all the functionality that the Maestro RR retains.

Please note that all the retained functionalities must be initially available in the vehicle.

NEED HELP?

1 866 427-2999

support@idatalink.com

maestro.idatalink.com/support
www.12voltdata.com/forum

USING YOUR STEERING WHEEL CONTROLS *(If equipped)*

Your steering wheel buttons can be used to control your aftermarket Alpine radio. You can assign steering wheel buttons to Alpine radio functions. Simply program your Maestro RR module online using the Weblink updater and customize your buttons. Each steering wheel button can control up to two radio features.

SEE YOUR QUICK REFERENCE CARD

A quick reference card showing your steering wheel configuration can be printed on the Maestro website during the flashing process. If you had your product installed professionally, ask your installer to print this card for you during installation.

USING MAESTRO FEATURES - VEHICLE INFO

HOW TO GET THERE:

VEHICLE INFO

Access And Display Vehicle Info Screen

To access the Maestro menu, press and hold the Favorites button for 3 seconds. Press on Vehicle Info to display information about the vehicle such as tire pressure, battery voltage and open entry points. If your vehicle is equipped with a compatible tire pressure monitoring system (TPMS), the digital tire pressures will be displayed for each tire. Should your check engine light come on, the CHECK ENGINE button will become active and you will be able to press this button to see the active trouble codes and attempt to reset them.

NOTES:

The tire pressures rely on proper programming by the technician when tires are changed or rotated. If your tires have been rotated but not reprogrammed, the tire locations on this screen may be incorrect.

The system will attempt to reset engine trouble codes when you press the Reset button However, this will not correct a persistent problem. If the check engine light comes back on after a reset, the vehicle should be serviced by a qualified technician.

Access And Change Vehicle Info Settings

Access the Maestro settings to configure the alerts that can be generated. These alerts will cause the Vehicle Info screen to come up when certain conditions occur.

•Check Engine Alert

Enables the Vehicle Info screen to be displayed automatically when the check engine light turns on in the vehicle. The diagnostic codes can be read and cleared.

Warning: If the check engine light turns on after clearing the trouble code, it may indicate serious problems with the engine. Have the vehicle serviced by a qualified technician.

•Door Alert

Enables the Vehicle Info screen to be displayed automatically if a door is opened or left open when the vehicle speed exceeds 5 mph or 8 km/h.

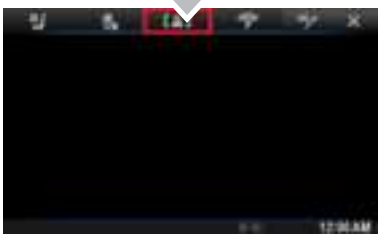
•TPMS Alert

Enables the Vehicle Info screen to be displayed automatically when a TPMS fault is detected (only if TPMS is available in the vehicle and supported by Maestro).

USING MAESTRO FEATURES - GAUGES

HOW TO GET THERE:

3 seconds



GAUGES

Access And Display Gauges Screen

To access the Maestro menu, press and hold the Favorites button for 3 seconds. Press on Gauges to view the gauges that are selected. During the installation, the default gauge choices will be displayed. When the Maestro RR module is installed, the vehicle is queried and the gauges that can be supported are enabled.

Access And Change Gauges Settings

•Select Gauges

When choosing a new gauge from the list, the supported gauges will be displayed in white text and the non-supported gauges will be displayed in gray text. If a gauge is displayed in gray text with a number next to it, the gauge is supported and is already assigned to another gauge on the screen. Some gauges have options that can be set. You will see these appear when you select a gauge that has options. In order to use some of the fuel economy gauges, you will need to enter your fuel tank capacity. This information can usually be found in your vehicle owner's guide.

•Center Gauge Warning Text

Allows the choice of displaying text when the center gauge reaches its peak.

•Fuel Economy

For accurate fuel economy information, the fuel tank capacity must be entered in this section of the settings menu.

•Validate PIDs (Parameter Identifiers)

Accesses the factory system to determine which gauges can be supported. This is done automatically when the module powers up. It is only required to be done manually if the module has been re-flashed.

•About Gauges

This screen will display a pop-up with information about the gauges.

•OBD2 Communication

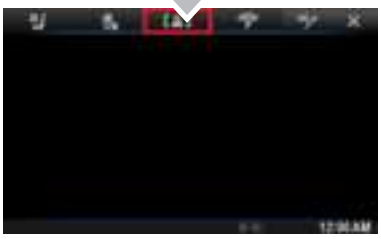
Auto Disable (default)

The module will communicate with the vehicle's OBD2 system unless it detects another device. This may be a scan tool or aftermarket programmer connected to the vehicle.

USING MAESTRO FEATURES - GAUGES

HOW TO GET THERE:

3 seconds



Always Enabled
The module will communicate with the vehicle's OBD2 system even when a scan tool or aftermarket programmer is connected. However, some scan tools and aftermarket programmers will not function when this option is enabled.

Disabled
The module will not communicate with the vehicle's OBD2 system. This option applies when using a scan tool or aftermarket programmer that does not allow multiple connections at the same time.

Enabled on Demand
The module will only communicate with the vehicle's OBD2 system when the vehicle info or gauges screen is displayed. This is used in vehicles that issue a periodic vehicle health report through a factory system such as Sync or OnStar. However, applying this setting may cause the fuel economy calculations to be inaccurate.

USING MAESTRO FEATURES - CLIMATE

HOW TO GET THERE:

CLIMATE

Access And Display Climate Screen

To access the Maestro menu, press and hold the Favorites button for 3 seconds. Press on Climate to display information about the climate controls. Depending on the OEM climate system, the status of the climate controls is able to be shown or controlled in some vehicles.

Access And Change Climate Settings

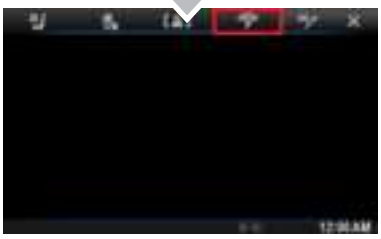
When the "Auto Display" setting is turned ON, the climate screen will pop up when the climate controls are adjusted. If it is turned OFF, the climate screen will not be displayed when the climate settings are changed.

Note: In some vehicles, there are climate settings that were only accessible through the factory radio (motorized sunshade, heated steering wheel, etc.). These features will be retained on the main climate screen.

USING MAESTRO FEATURES - PARKING ASSIST

HOW TO GET THERE:

3 seconds



PARKING ASSIST

Access And Display Parking Assist Screen

To access the Maestro menu, press and hold the Favorites button for 3 seconds. Press on Parking Assist to see the visual parking assist screen. This option will only be available if the Maestro detects that your vehicle is equipped a compatible factory parking sensor system.

Access And Change Parking Assist Settings

In the settings, you can choose the Parking Assist screen to automatically be displayed when the vehicle is in reverse and to change the units of length from feet to meters.

When parking assist interrupt is set to ON, the Maestro parking assist screen will pop up when the vehicle is in reverse. If the vehicle is also equipped with a backup camera, there is also a reverse interrupt setting for it in the radio. If both are turned on, the camera and parking assist will show up as a split screen.

CHANGING OTHER SETTINGS

HOW TO GET THERE:

VEHICLE FACTORY SETTINGS

Access And Change Vehicle factory Settings

There are several programmable options that affect the way that the Maestro interface works with your vehicle. These settings enable you to customize the features of your vehicle. Not all settings are described here, as they are vehicle specific.

• Vehicle Amplifier

To adjust the settings of your factory amplifier, press on Vehicle Amplifier. This setting will only appear if your Maestro RR module detects a compatible amplifier in your vehicle. This feature must be retained during the Maestro RR online programming with the Weblink Updater.

The Gain setting will change the gain of the factory amplifier. The Amplifier Retention setting is used to tell the Maestro module if you are using (retaining) the factory amplifier or if you have bypassed it.

MAESTRO FEATURES SETTINGS

Access And Change Maestro Features

• Module Audio Gain

Used to adjust the audio gain of the Maestro module. All audio that passes from the factory systems into the Maestro will be affected by this setting.

•Module Master Reset

Used to reset the Maestro module.

•Accessory During Crank

If this setting is turned on, the radio will stay powered while the engine is started. If this setting is turned off, the accessory circuit will drop out while the engine cranks, like a normal accessory circuit.

OWNER'S GUIDE

CH3 & JVC RADIO

RETAINS STEERING WHEEL CONTROLS,
FACTORY SETTINGS AND MORE!

JVC FIAT CHRYSLER Jeep

PRODUCTS REQUIRED
- iDatalink Maestro RR Radio Replacement Interface
- CH3 Installation Harness

OPTIONAL ACCESSORIES
- None

PROGRAMMED FIRMWARE
ADS-RR(SR)-CHR03-DS

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.

This guide is a great addition to both the vehicle owner's guide and the aftermarket radio owner's guide. We recommand having both these documents handy as they cover all the functionality that the Maestro RR retains.

Please note that all the retained functionalities must be initially available in the vehicle.

NEED HELP?

1 866 427-2999

support@idatalink.com

maestro.idatalink.com/support
www.12voltdata.com/forum

USING YOUR STEERING WHEEL CONTROLS *(If equipped)*

Your steering wheel buttons can be used to control your aftermarket JVC radio. You can assign steering wheel buttons to JVC radio functions. Simply program your Maestro RR module online using the Weblink updater and customize your buttons. Each steering wheel button can control up to two radio features.

SEE YOUR QUICK REFERENCE CARD

A quick reference card showing your steering wheel configuration can be printed on the Maestro website during the flashing process. If you had your product installed professionally, ask your installer to print this card for you during installation.

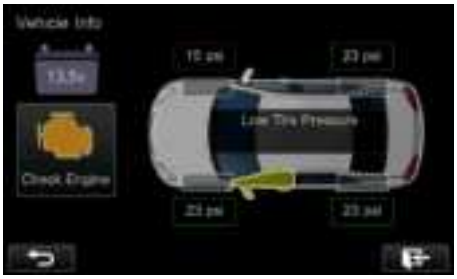
USING MAESTRO FEATURES - VEHICLE INFO

Maestro features can be accessed in the My Vehicle submenu. If an icon is not active (gray color) then it is not available in your vehicle or it was disabled when the Maestro module was programmed using Weblink. The options described here may not be available in your vehicle.

HOW TO GET THERE:

VEHICLE INFO

Access And Display Vehicle Info Screen



In the My Vehicle submenu, press on Vehicle Info to display information about the vehicle such as tire pressure, battery voltage and open entry points. If your vehicle is equipped with a compatible tire pressure monitoring system (TPMS), the digital tire pressures will be displayed for each tire. Should your check engine light come on, the CHECK ENGINE button will become active and you will be able to press this button to see the active trouble codes and attempt to reset them.

NOTES: The tire pressures rely on proper programming by the technician when tires are changed or rotated. If your tires have been rotated but not reprogrammed, the tire locations on this screen may be incorrect.

The system will attempt to reset engine trouble codes when you press the Reset button However, this will not correct a persistent problem. If the check engine light comes back on after a reset, the vehicle should be serviced by a qualified technician.

Access And Change Vehicle Info Settings

Access the Maestro settings to configure the alerts that can be generated. These alerts will cause the Vehicle Info screen to come up when certain conditions occur.

•Check Engine Alert

Enables the Vehicle Info screen to be displayed automatically when the check engine light turns on in the vehicle. The diagnostic codes can be read and cleared.

Warning: If the check engine light turns on after clearing the trouble code, it may indicate serious problems with the engine. Have the vehicle serviced by a qualified technician.

•Door Alert

Enables the Vehicle Info screen to be displayed automatically if a door is opened or left open when the vehicle speed exceeds 5 mph or 8 km/h.

•TPMS Alert

Enables the Vehicle Info screen to be displayed automatically when a TPMS fault is detected (only if TPMS is available in the vehicle and supported by Maestro).

USING MAESTRO FEATURES - GAUGES

HOW TO GET THERE:

GAUGES

Access And Display Gauges Screen

In the My Vehicle menu, press on Gauges icon to view the gauges that are selected. The display style of the gauge can be changed by tapping the face of each gauge. You can also press and hold each gauge to configure it. During the installation, the default gauge choices will be displayed. When the Maestro RR module is installed, the vehicle is queried and the gauges that can be supported are enabled.

Access And Change Gauges Settings

•Select Gauges

When choosing a new gauge from the list, the supported gauges will be displayed in white text and the non-supported gauges will be displayed in gray text. If a gauge is displayed in gray text with a number next to it, the gauge is supported and is already assigned to another gauge on the screen. Some gauges have options that can be set. You will see these appear when you select a gauge that has options. In order to use some of the fuel economy gauges, you will need to enter your fuel tank capacity. This information can usually be found in your vehicle owner's guide.

•Center Gauge Warning Text

Allows the choice of displaying text when the center gauge reaches its peak.

•Fuel Economy

For accurate fuel economy information, the fuel tank capacity must be entered in this section of the settings menu.

USING MAESTRO FEATURES - GAUGES

•Validate PIDs (Parameter Identifiers)

Accesses the factory system to determine which gauges can be supported. This is done automatically when the module powers up. It is only required to be done manually if the module has been re-flashed.

•About Gauges

This screen will display a pop-up with information about the gauges.

•OBD2 Communication

Auto Disable (default)
The module will communicate with the vehicle's OBD2 system unless it detects another device. This may be a scan tool or aftermarket programmer connected to the vehicle.

Always Enabled
The module will communicate with the vehicle's OBD2 system even when a scan tool or aftermarket programmer is connected. However, some scan tools and aftermarket programmers will not function when this option is enabled.

Disabled
The module will not communicate with the vehicle's OBD2 system. This option applies when using a scan tool or aftermarket programmer that does not allow multiple connections at the same time.

Enabled on Demand
The module will only communicate with the vehicle's OBD2 system when the vehicle info or gauges screen is displayed. This is used in vehicles that issue a periodic vehicle health report through a factory system such as Sync or OnStar. However, applying this setting may cause the fuel economy calculations to be inaccurate.

USING MAESTRO FEATURES - PARKING ASSIST

HOW TO GET THERE:

PARKING ASSIST

Access And Display Parking Assist Screen

In the My Vehicle menu, press on Parking Assist to see the visual parking assist screen. This option will only be available if the Maestro detects that your vehicle is equipped a compatible factory parking sensor system.

Access And Change Parking Assist Settings

When parking assist interrupt is set to ON, the Maestro parking assist screen will pop up when the vehicle is in reverse. If the vehicle is also equipped with a backup camera, there is also a reverse interrupt setting for it in the radio. Only one feature's reverse interrupt should be set to ON, or there will be a conflict in the radio.

You can change the units of length from feet to meters

USING MAESTRO FEATURES - CLIMATE

CLIMATE

Access And Display Climate Screen

The status of the climate controls is able to be shown or controlled in some vehicles. In the My Vehicle menu, press on Climate icon to access the Climate screen.

Access And Change Climate Settings

When the "Auto Display" setting is turned ON, the climate screen will pop up when the climate controls are adjusted. If it is turned OFF, the climate screen will not be displayed when the climate settings are changed.

CHANGING SETTINGS

HOW TO GET THERE:

VEHICLE FACTORY SETTINGS

Access And Change Vehicle factory Settings

There are several programmable options accessible through the OEM radio that affect the way that your vehicle functions, such as safety and convenience settings. These settings, now accessible in the Vehicle Features section, enable you to customize the features of your vehicle. Not all settings are described here, as they are vehicle specific.

- Vehicle Amplifier

  To adjust the settings of your factory amplifier, press on Vehicle Amplifier. This setting will only appear if your Maestro RR module detects a compatible amplifier in your vehicle. This feature must be retained during the Maestro RR online programming with the Weblink Updater.

  The Gain setting will change the gain of the factory amplifier. The Amplifier Retention setting is used to tell the Maestro module if you are using (retaining) the factory amplifier or if you have bypassed it.

MAESTRO FEATURES SETTINGS

Access And Change Maestro Features

- Module Audio Gain

  Used to adjust the audio gain of the Maestro module. All audio that passes from the factory systems into the Maestro will be affected by this setting.

- Module Master Reset

  Used to reset the Maestro module.

- Accessory During Crank

  If this setting is turned on, the radio will stay powered while the engine is started. If this setting is turned off, the accessory circuit will drop out while the engine cranks, like a normal accessory circuit.

OWNER'S GUIDE
CH3 & KENWOOD RADIO

RETAINS STEERING WHEEL CONTROLS,
FACTORY SETTINGS AND MORE!

22079

KENWOOD

PRODUCTS REQUIRED
- iDatalink Maestro RR Radio Replacement Interface
- CH3 Installation Harness

OPTIONAL ACCESSORIES
- ADS-SP1

PROGRAMMED FIRMWARE
ADS-RR(SR)-CHR03-DS

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.

This guide is a great addition to both the vehicle owner's guide and the aftermarket radio owner's guide. We recommand having both these documents handy as they cover all the functionality that the Maestro RR retains.

Please note that all the retained functionalities must be initially available in the vehicle.

NEED HELP?

1 866 427-2999

support@idatalink.com

maestro.idatalink.com/support
www.12voltdata.com/forum

USING YOUR STEERING WHEEL CONTROLS *(If equipped)*

Your steering wheel buttons can be used to control your aftermarket Kenwood radio. You can assign steering wheel buttons to Kenwood radio functions. Simply program your Maestro RR module online using the Weblink updater and customize your buttons. Each steering wheel button can control up to two radio features.

SEE YOUR QUICK REFERENCE CARD

A quick reference card showing your steering wheel configuration can be printed on the Maestro website during the flashing process. If you had your product installed professionally, ask your installer to print this card for you during installation.

USING MAESTRO FEATURES - VEHICLE INFO

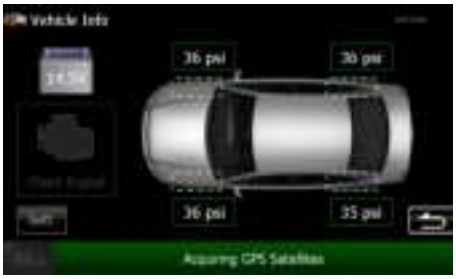
Maestro features can be accessed in the My Car submenu. If an icon is not active (gray color) then it is not available in your vehicle or it was disabled when the Maestro module was programmed using Weblink. The options described here may not be available in your vehicle.

HOW TO GET THERE:

VEHICLE INFORMATION

Access And Display Vehicle Info Screen

In the My Car submenu, press on Vehicle Info to display information about the vehicle such as tire pressure, battery voltage and open entry points. If your vehicle is equipped with a compatible tire pressure monitoring system (TPMS), the digital tire pressures will be displayed for each tire. Should your check engine light come on, the CHECK ENGINE button will become active and you will be able to press this button to see the active trouble codes and attempt to reset them.



NOTES:

The tire pressures rely on proper programming by the technician when tires are changed or rotated. If your tires have been rotated but not reprogrammed, the tire locations on this screen may be incorrect.

The system will attempt to reset engine trouble codes when you press the Reset button However, this will not correct a persistent problem. If the check engine light comes back on after a reset, the vehicle should be serviced by a qualified technician.

Access And Change Vehicle Info Settings

Access the Maestro settings to configure the alerts that can be generated. These alerts will cause the Vehicle Info screen to come up when certain conditions occur.

•Check Engine Alert

Enables the Vehicle Info screen to be displayed automatically when the check engine light turns on in the vehicle. The diagnostic codes can be read and cleared.

Warning: If the check engine light turns on after clearing the trouble code, it may indicate serious problems with the engine. Have the vehicle serviced by a qualified technician.

•Door Alert

Enables the Vehicle Info screen to be displayed automatically if a door is opened or left open when the vehicle speed exceeds 5 mph or 8 km/h.

•TPMS Alert

Enables the Vehicle Info screen to be displayed automatically when a TPMS fault is detected (only if TPMS is available in the vehicle and supported by Maestro).

USING MAESTRO FEATURES - GAUGES

Maestro features can be accessed in the My Car submenu. If an icon is not active (gray color) then it is not available in your vehicle or it was disabled when the Maestro module was programmed using Weblink. The options described here may not be available in your vehicle.

HOW TO GET THERE:

GAUGES

Access And Display Gauges Screen

In the My Car submenu, press on Gauges to view the gauges that are selected. The display style of the gauge can be changed by tapping the face of each gauge. During the installation, the default gauge choices will be displayed. When the Maestro RR module is installed, the vehicle is queried and the gauges that can be supported are enabled.

Access And Change Gauges Settings

•Select Gauges

When choosing a new gauge from the list, the supported gauges will be displayed in white text and the non-supported gauges will be displayed in gray text. If a gauge is displayed in gray text with a number next to it, the gauge is supported and is already assigned to another gauge on the screen. Some gauges have options that can be set. You will see these appear when you select a gauge that has options. In order to use some of the fuel economy gauges, you will need to enter your fuel tank capacity. This information can usually be found in your vehicle owner's guide.

•Center Gauge Warning Text

Allows the choice of displaying text when the center gauge reaches its peak.

USING MAESTRO FEATURES - GAUGES

Maestro features can be accessed in the My Car submenu. If an icon is not active (gray color) then it is not available in your vehicle or it was disabled when the Maestro module was programmed using Weblink. The options described here may not be available in your vehicle.

HOW TO GET THERE:

•Fuel Economy

For accurate fuel economy information, the fuel tank capacity must be entered in this section of the settings menu.

•Validate PIDs (Parameter Identifiers)

Accesses the factory system to determine which gauges can be supported. This is done automatically when the module powers up. It is only required to be done manually if the module has been re-flashed.

•About Gauges

This screen will display a pop-up with information about the gauges.

•OBD2 Communication

Auto Disable (default)
The module will communicate with the vehicle's OBD2 system unless it detects another device. This may be a scan tool or aftermarket programmer connected to the vehicle.

Always Enabled
The module will communicate with the vehicle's OBD2 system even when a scan tool or aftermarket programmer is connected. However, some scan tools and aftermarket programmers will not function when this option is enabled.

Disabled
The module will not communicate with the vehicle's OBD2 system. This option applies when using a scan tool or aftermarket programmer that does not allow multiple connections at the same time.

Enabled on Demand
The module will only communicate with the vehicle's OBD2 system when the vehicle info or gauges screen is displayed. This is used in vehicles that issue a periodic vehicle health report through a factory system such as Sync or OnStar. However, applying this setting may cause the fuel economy calculations to be inaccurate.

USING MAESTRO FEATURES - CLIMATE

Maestro features can be accessed in the My Car submenu. If an icon is not active (gray color) then it is not available in your vehicle or it was disabled when the Maestro module was programmed using Weblink. The options described here may not be available in your vehicle.

HOW TO GET THERE:

CLIMATE

Access And Display Climate Screen

In the My Car submenu, press on Climate to display information about the climate controls. Depending on the OEM climate system, the status of the climate controls is able to be shown or controlled in some vehicles.

Access And Change Climate Settings

When the "Auto Display" setting is turned ON, the climate screen will pop up when the climate controls are adjusted. If it is turned OFF, the climate screen will not be displayed when the climate settings are changed.

Note: In some vehicles, there are climate settings that were only accessible through the factory radio (motorized sunshade, heated steering wheel, etc.). These features will be retained on the main climate screen.

USING MAESTRO FEATURES - PARKING ASSIST

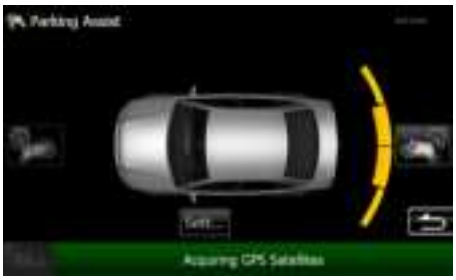
Maestro features can be accessed in the My Car submenu. If an icon is not active (gray color) then it is not available in your vehicle or it was disabled when the Maestro module was programmed using Weblink. The options described here may not be available in your vehicle.

HOW TO GET THERE:

PARKING ASSIST

Access And Display Parking Assist Screen

In the My Car submenu, press on Parking Assist to see the visual parking assist screen. This option will only be available if the Maestro detects that your vehicle is equipped a compatible factory parking sensor system.

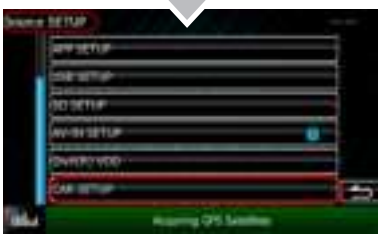


Access And Change Parking Assist Settings

When parking assist interrupt is set to ON, the Maestro parking assist screen will pop up when the vehicle is in reverse. If the vehicle is also equipped with a backup camera, there is also a reverse interrupt setting for it in the radio. Only one feature's reverse interrupt should be set to ON, or there will be a conflict in the radio.

CHANGING OTHER SETTINGS

HOW TO GET THERE:



VEHICLE FACTORY SETTINGS

Access And Change Vehicle factory Settings

There are several programmable options that affect the way that the Maestro interface works with your vehicle. These settings enable you to customize the features of your vehicle. Not all settings are described here, as they are vehicle specific.

• Vehicle Amplifier

To adjust the settings of your factory amplifier, press on Vehicle Amplifier. This setting will only appear if your Maestro RR module detects a compatible amplifier in your vehicle. This feature must be retained during the Maestro RR online programming with the Weblink Updater.

The Gain setting will change the gain of the factory amplifier. The Amplifier Retention setting is used to tell the Maestro module if you are using (retaining) the factory amplifier or if you have bypassed it.

MAESTRO FEATURES SETTINGS

Access And Change Maestro Features

• Module Audio Gain

Used to adjust the audio gain of the Maestro module. All audio that passes from the factory systems into the Maestro will be affected by this setting.

•Module Master Reset

Used to reset the Maestro module.

•Accessory During Crank

If this setting is turned on, the radio will stay powered while the engine is started. If this setting is turned off, the accessory circuit will drop out while the engine cranks, like a normal accessory circuit.

INSTALL GUIDE

2016-2018
FIAT 500

RETAINS STEERING WHEEL CONTROLS, VEHICLE SETTINGS, AND MORE!

PRODUCTS REQUIRED

iDatalink Maestro RR or RR2 Radio Replacement Interface
iDatalink Maestro CH3 Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-CHR03E-DS

ADDITIONAL RESOURCES

Maestro RR2 Programmable Outputs Guide

OPTIONAL ACCESSORIES

K40 ELECTRONICS
ESCORT

Click here for:
Radar Installation Guides

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

NEED HELP?

1 866 427-2999

maestro.support@idatalink.com

maestro.idatalink.com/support
www.12voltdata.com/forum

INSTALLATION INSTRUCTIONS

STEP 1

- Unbox the aftermarket radio and locate its main harness.
- Connect the wires shown on the next page from aftermarket radio main harness to the CH3 T-harness and match the wire functions.

STEP 2

- Unplug the female WHITE 2 pin connector and plug it to the male RED connector of your CH3 T-harness. The male WHITE 2 pin connector will remain disconnected.
- Unplug the BLACK 2 pin connector of your CH3 T-harness. The female BLACK 2 pin connector will remain disconnected.
- Remove the factory radio.

STEP 3

- Plug the male BLACK 2 pin connector of your CH3 T-harness into the OBDII connector.
- Plug the OBDII connector into the OBDII of the vehicle.

STEP 4

- Connect the factory harness to the CH3 T-harness.

STEP 5

- Plug the aftermarket radio harnesses 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).

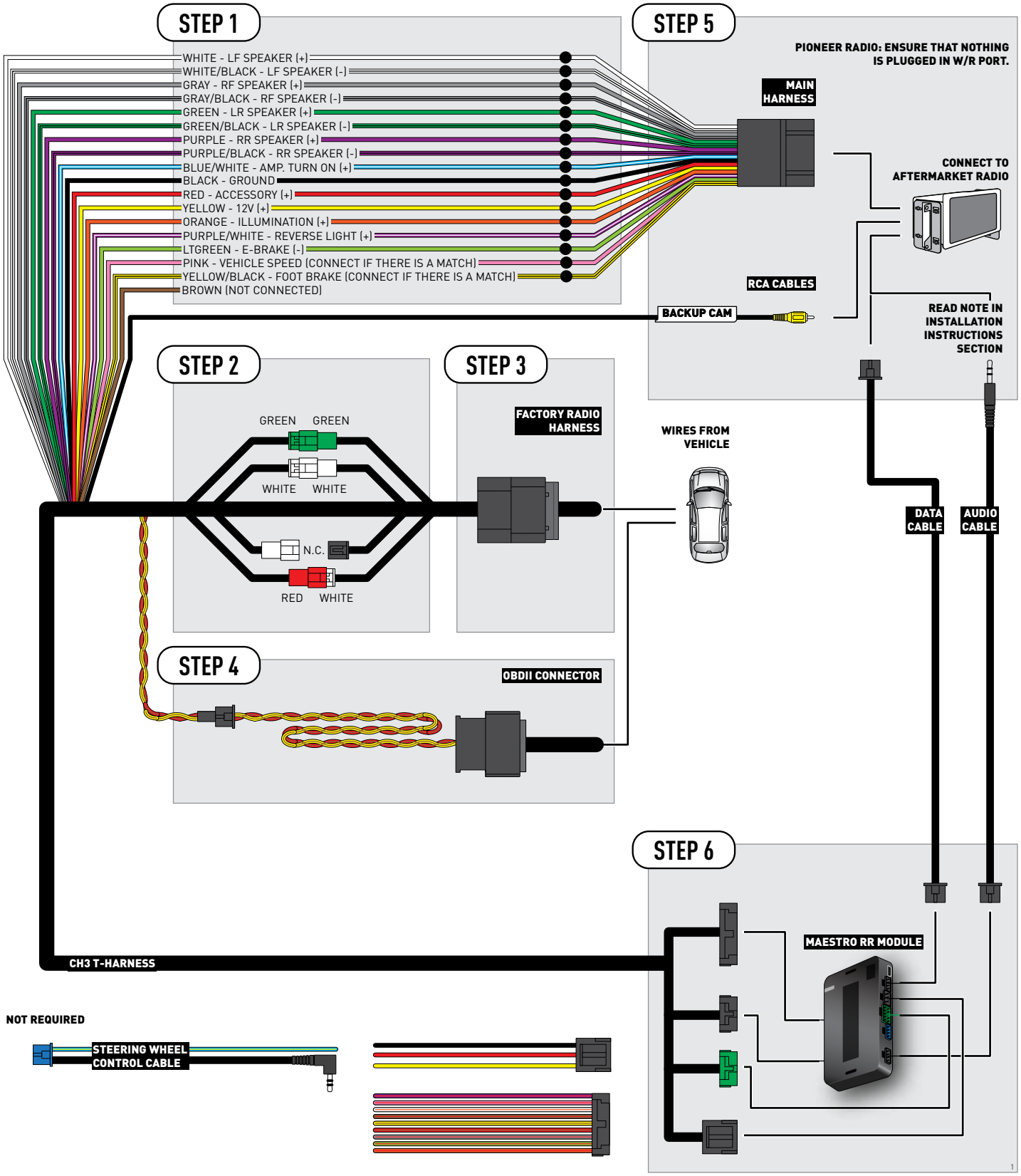
  Note: On Pioneer radio, ensure that there is nothing plugged into the W/R port.

STEP 6

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

1

WIRING DIAGRAM



RADIO WIRE REFERENCE CHART

Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood 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
Foot Brake	(+)	Yellow/Black	Yellow/Black	N/A	N/A	N/A
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A

TROUBLESHOOTING TABLE

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. Reset the RR.
When making a phone call you cannot hear the callers but they can hear you.	Make sure that the 4-pin green and white connectors in the harness are plugged in correctly as stated in step 2.
The radio stays ON or the radio doesn't come ON at all.	Make sure the 2-pin colored connectors in the harness are connected correctly as stated in step 2.
The light on the Maestro is flashing **RED ONCE**.	There is no firmware on the module; flash the RR module.
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.

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

Web: maestro.idatalink.com/support add www.12voltdata.com/forum/

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

2014-2020
FIAT 500L

RETAINS STEERING WHEEL CONTROLS, VEHICLE SETTINGS, AND MORE!

PRODUCTS REQUIRED

iDatalink Maestro RR or RR2 Radio Replacement Interface
iDatalink Maestro CH3 Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-CHR03E-DS

ADDITIONAL RESOURCES

Maestro RR2 Programmable Outputs Guide

OPTIONAL ACCESSORIES

K40 ELECTRONICS
ESCORT

Click here for:
Radar Installation Guides

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

NEED HELP?

1 866 427-2999

maestro.support@idatalink.com

maestro.idatalink.com/support
www.12voltdata.com/forum

INSTALLATION INSTRUCTIONS

STEP 1

- Unbox the aftermarket radio and locate its main harness.
- Connect the wires shown on the next page from aftermarket radio main harness to the CH3 T-harness and match the wire functions.

STEP 2

- Unplug the female WHITE 2 pin connector and plug it to the male RED connector of your CH3 T-harness. The male WHITE 2 pin connector will remain disconnected.
- Unplug the BLACK 2 pin connector of your CH3 T-harness. The female BLACK 2 pin connector will remain disconnected.
- Remove the factory radio.

STEP 3

- Plug the male BLACK 2 pin connector of your CH3 T-harness into the OBDII connector.
- Plug the OBDII connector into the OBDII of the vehicle.

STEP 4

- Connect the factory harness to the CH3 T-harness.

STEP 5

- Plug the aftermarket radio harnesses 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).

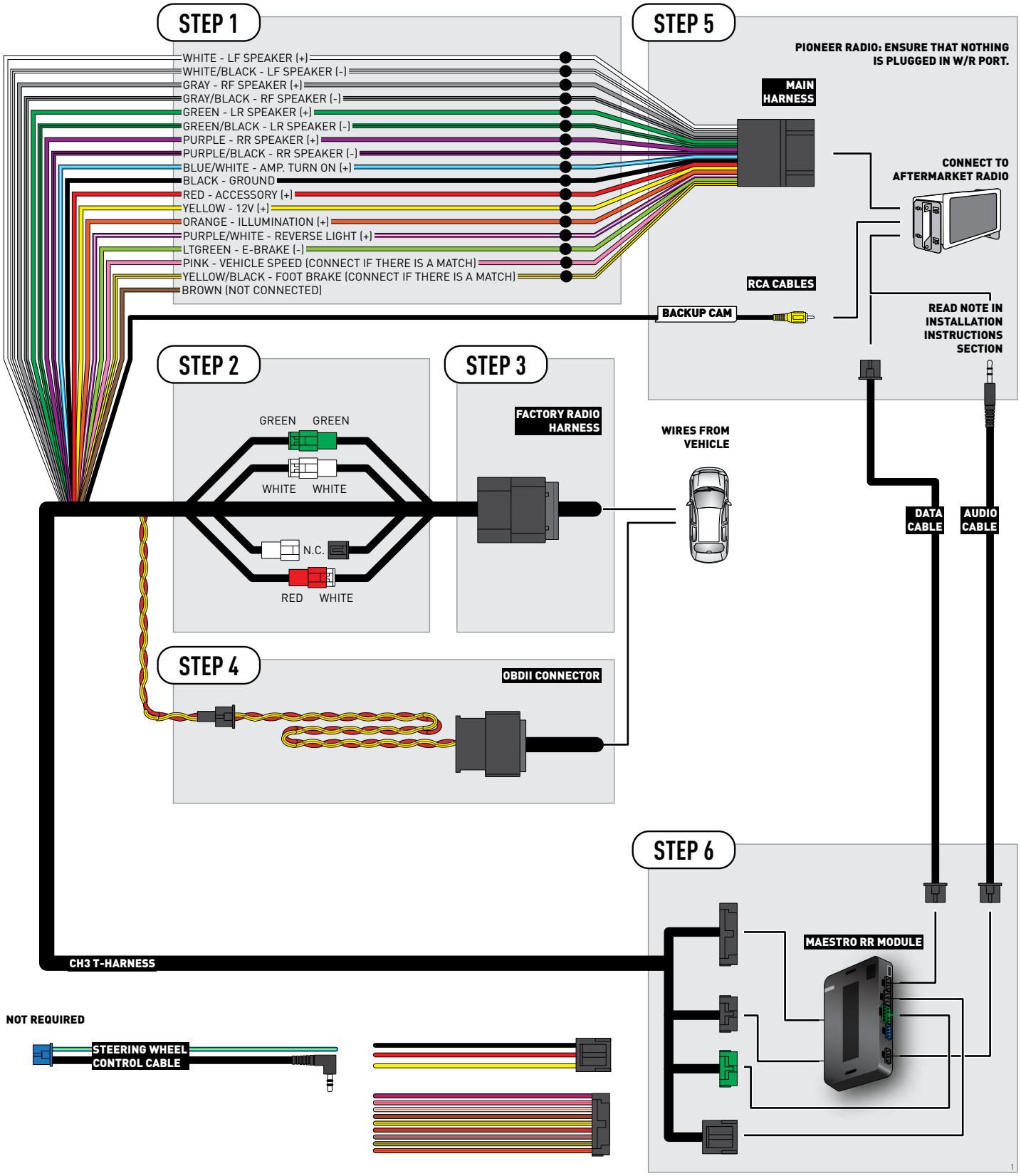
  Note: On Pioneer radio, ensure that there is nothing plugged into the W/R port.

STEP 6

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

1

WIRING DIAGRAM



RADIO WIRE REFERENCE CHART

Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood 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
Foot Brake	(+)	Yellow/Black	Yellow/Black	N/A	N/A	N/A
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A

TROUBLESHOOTING TABLE

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. Reset the RR.
When making a phone call you cannot hear the callers but they can hear you.	Make sure that the 4-pin green and white connectors in the harness are plugged in correctly as stated in step 2.
The radio stays ON or the radio doesn't come ON at all.	Make sure the 2-pin colored connectors in the harness are connected correctly as stated in step 2.
The light on the Maestro is flashing **RED ONCE**.	There is no firmware on the module; flash the RR module.
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.

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

Web: maestro.idatalink.com/support add www.12voltdata.com/forum/

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

2014-2020
RAM PROMASTER

RETAINS STEERING WHEEL CONTROLS, VEHICLE SETTINGS, AND MORE!

PRODUCTS REQUIRED

iDatalink Maestro RR or RR2 Radio Replacement Interface
iDatalink Maestro CH3 Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-CHR03E-DS

ADDITIONAL RESOURCES

Maestro RR2 Programmable Outputs Guide

OPTIONAL ACCESSORIES

K40 ELECTRONICS
ESCORT

Click here for:
Radar Installation Guides

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

NEED HELP?

1 866 427-2999

maestro.support@idatalink.com

maestro.idatalink.com/support
www.12voltdata.com/forum

INSTALLATION INSTRUCTIONS

STEP 1

- Unbox the aftermarket radio and locate its main harness.
- Connect the wires shown on the next page from aftermarket radio main harness to the CH3 T-harness and match the wire functions.

STEP 2

- Unplug the female WHITE 2 pin connector and plug it to the male RED connector of your CH3 T-harness. The male WHITE 2 pin connector will remain disconnected.
- Unplug the BLACK 2 pin connector of your CH3 T-harness. The female BLACK 2 pin connector will remain disconnected.
- Remove the factory radio.

STEP 3

- Plug the male BLACK 2 pin connector of your CH3 T-harness into the OBDII connector.
- Plug the OBDII connector into the OBDII of the vehicle.

STEP 4

- Connect the factory harness to the CH3 T-harness.

STEP 5

- Plug the aftermarket radio harnesses 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).

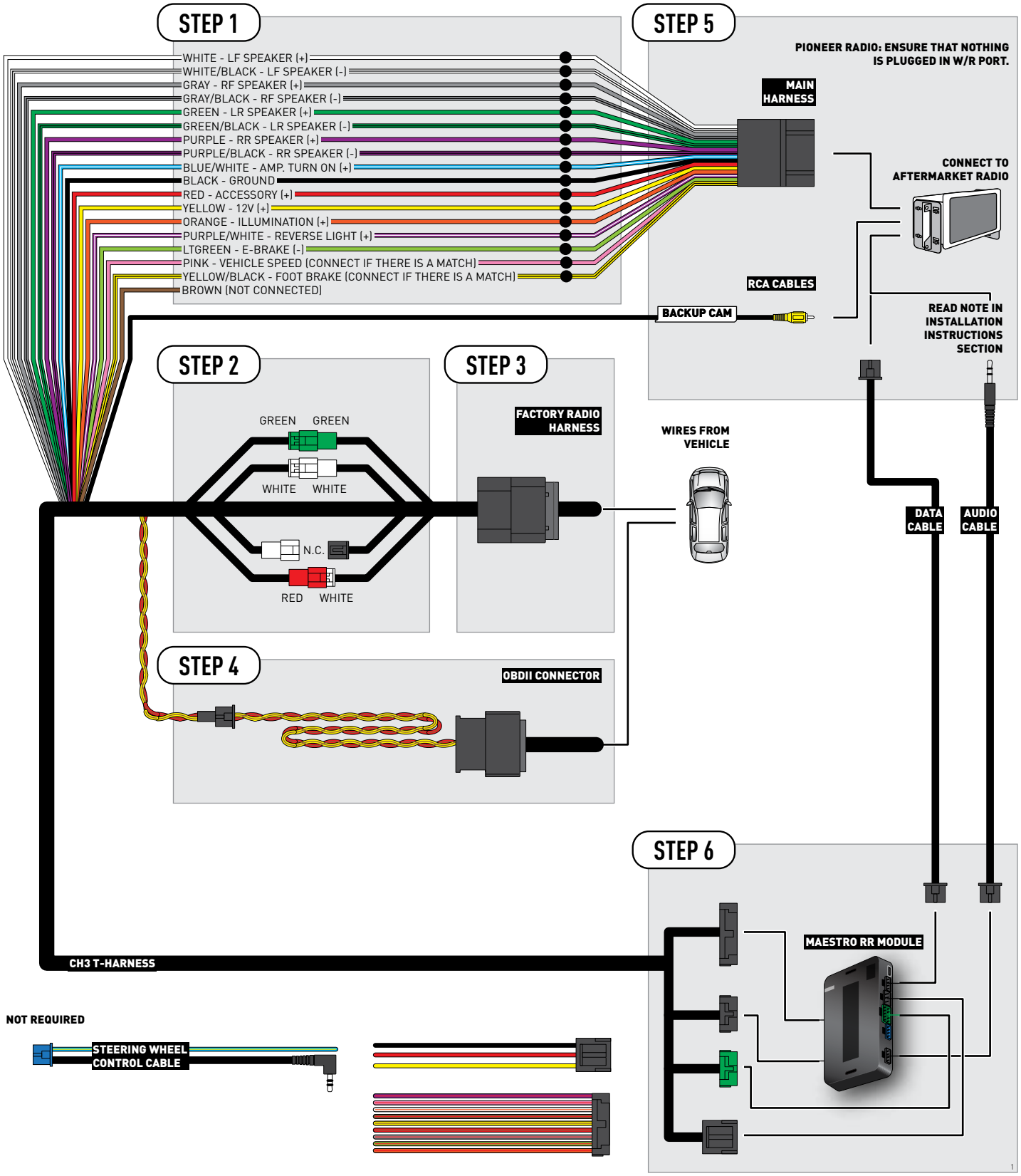
  Note: On Pioneer radio, ensure that there is nothing plugged into the W/R port.

STEP 6

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

1

WIRING DIAGRAM



RADIO WIRE REFERENCE CHART

Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood 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
Foot Brake	(+)	Yellow/Black	Yellow/Black	N/A	N/A	N/A
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A

TROUBLESHOOTING TABLE

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. Reset the RR.
When making a phone call you cannot hear the callers but they can hear you.	Make sure that the 4-pin green and white connectors in the harness are plugged in correctly as stated in step 2.
The radio stays ON or the radio doesn't come ON at all.	Make sure the 2-pin colored connectors in the harness are connected correctly as stated in step 2.
The light on the Maestro is flashing **RED ONCE**.	There is no firmware on the module; flash the RR module.
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.

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

Web: maestro.idatalink.com/support add www.12voltdata.com/forum/

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

2015-2020
RAM PROMASTER CITY

RETAINS STEERING WHEEL CONTROLS, VEHICLE SETTINGS, AND MORE!

PRODUCTS REQUIRED

iDatalink Maestro RR or RR2 Radio Replacement Interface
iDatalink Maestro CH3 Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-CHR03E-DS

ADDITIONAL RESOURCES

Maestro RR2 Programmable Outputs Guide

OPTIONAL ACCESSORIES

K40 ELECTRONICS
ESCORT

Click here for:
Radar Installation Guides

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

NEED HELP?

1 866 427-2999

maestro.support@idatalink.com

maestro.idatalink.com/support
www.12voltdata.com/forum

INSTALLATION INSTRUCTIONS

STEP 1

- Unbox the aftermarket radio and locate its main harness.
- Connect the wires shown on the next page from aftermarket radio main harness to the CH3 T-harness and match the wire functions.

STEP 2

- Unplug the female WHITE 2 pin connector and plug it to the male RED connector of your CH3 T-harness. The male WHITE 2 pin connector will remain disconnected.
- Unplug the BLACK 2 pin connector of your CH3 T-harness. The female BLACK 2 pin connector will remain disconnected.
- Remove the factory radio.

STEP 3

- Plug the male BLACK 2 pin connector of your CH3 T-harness into the OBDII connector.
- Plug the OBDII connector into the OBDII of the vehicle.

STEP 4

- Connect the factory harness to the CH3 T-harness.

STEP 5

- Plug the aftermarket radio harnesses 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).

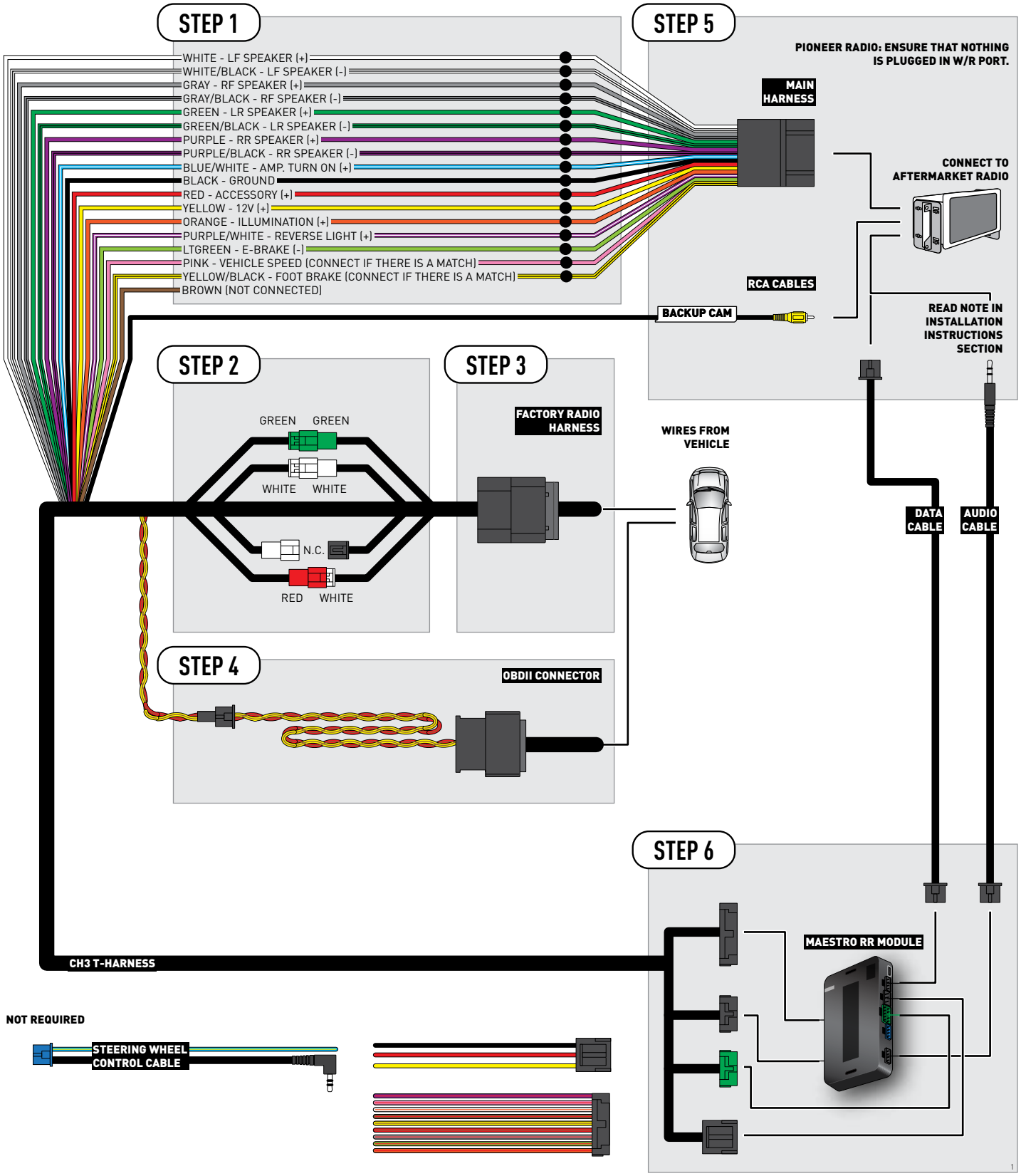
  Note: On Pioneer radio, ensure that there is nothing plugged into the W/R port.

STEP 6

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

1

WIRING DIAGRAM



RADIO WIRE REFERENCE CHART

Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood 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
Foot Brake	(+)	Yellow/Black	Yellow/Black	N/A	N/A	N/A
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A

TROUBLESHOOTING TABLE

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. Reset the RR.
When making a phone call you cannot hear the callers but they can hear you.	Make sure that the 4-pin green and white connectors in the harness are plugged in correctly as stated in step 2.
The radio stays ON or the radio doesn't come ON at all.	Make sure the 2-pin colored connectors in the harness are connected correctly as stated in step 2.
The light on the Maestro is flashing **RED ONCE**.	There is no firmware on the module; flash the RR module.
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.

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

Web: maestro.idatalink.com/support add www.12voltdata.com/forum/

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.

idatalink maestro

CH3

CHRYSLER INSTALLATION HARNESS

FOR USE WITH MAESTRO RR

HARNAIS D'INSTALLATION CHRYSLER

À UTILISER AVEC MAESTRO RR

ARNÉS DE INSTALACIÓN CHRYSLER

PARA USO CON MAESTRO RR

ACCESSOIRES

connec

ACCESSORIES

www.idatalinkmaestro.com

HRN-RR-CH3

idatalink maestro

CH3

www.idatalinkmaestro.com

6 27780 00060 2

Does it work with my car?
Fonctionne-t-il avec mon auto?
¿Funciona con mi coche?

INSTALL GUIDE

2018-2019
CHRYSLER 300

RETAINS STEERING WHEEL CONTROLS, VEHICLE SETTINGS, AND MORE!

PRODUCTS REQUIRED

iDatalink Maestro RR or RR2 Radio Replacement Interface
iDatalink Maestro CH3 Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-CHR03-DS

ADDITIONAL RESOURCES

Maestro RR2 Programmable Outputs Guide

OPTIONAL ACCESSORIES

K40 ELECTRONICS
ESCORT

Click here for:
Radar Installation Guides

ACC-SP1

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

NEED HELP?

1 866 427-2999

maestro.support@idatalink.com

maestro.idatalink.com/support
www.12voltdata.com/forum

INSTALLATION INSTRUCTIONS

STEP 1

- Unbox the aftermarket radio and locate its main harness.
- Connect the wires shown on the next page from aftermarket radio main harness to the CH3 T-harness and match the wire functions.

STEP 2

- Determine if the vehicle has a factory amplifier. Look for badges on the radio, door panels and dash that indicate the presence of an amplifier (ex: Alpine).

If the vehicle DOES NOT have a factory amplifier:

- Plug the female GREEN connector to the male GREEN connector of your CH3 T-harness.
- Plug the female WHITE connector to the male WHITE connector of your CH3 T-harness.

If the vehicle DOES have a factory amplifier:

- Plug the female GREEN connector to the male WHITE connector of your CH3 T-harness.
- Plug the female WHITE connector to the male GREEN connector of your CH3 T-harness.

- Remove the factory radio.

STEP 3

- Connect the factory harness to the CH3 T-harness.

STEP 4

- If using a CH3 T-harness **VER_1.6 or earlier**, the OBDII connection will not provide the data necessary for this solution to function properly.
- Connect the black 2-pin connector from the OBDII cable to the CH3 T-harness. Cut and remove the OBDII connector from the cable.
- Connect Red/Brown wire to vehicle CANH and Yellow/Brown to vehicle CANL, located at CAN junction connector.

STEP 5

- Plug the aftermarket radio harnesses 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.

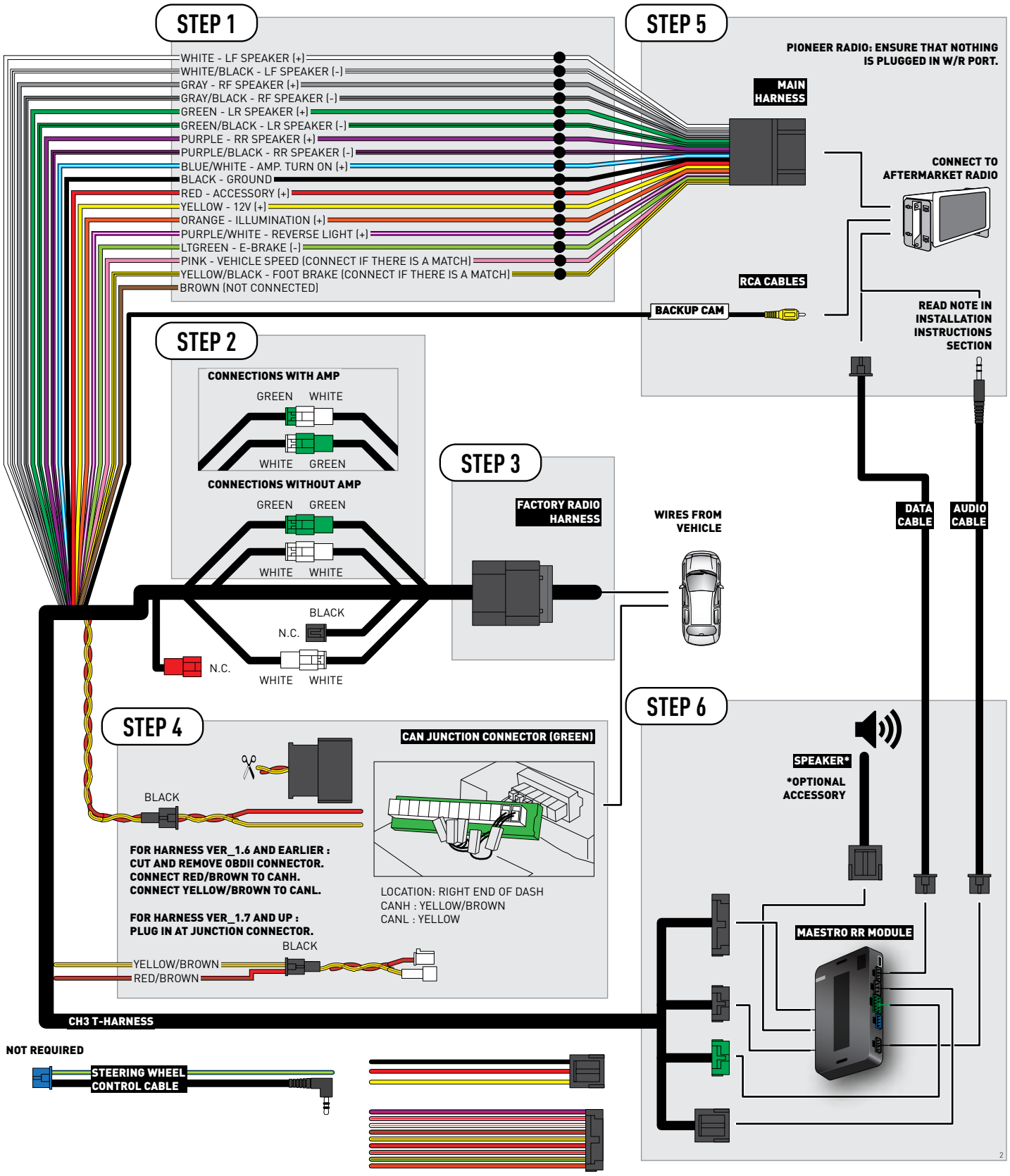
  If the vehicle is equipped with parking sensors AND using an Alpine radio: plug Audio cable in auxiliary input of the radio.

STEP 6

- Connect all the harnesses to the Maestro RR module then test your installation.
- If the vehicle is equipped with OEM parking assist, lane departure, or other safety systems, the ACC-SP1 is required: Plug the ACC-SP1 the Maestro RR.

  If you are not using this speaker, the radio will mute when the parking assist is active. If you are using this speaker, the parking assist chimes will play through the external speaker and the radio will not mute unless the settings are changed in the radio.

WIRING DIAGRAM



RADIO WIRE REFERENCE CHART

Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood 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
Foot Brake	(+)	Yellow/Black	Yellow/Black	N/A	N/A	N/A
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A

TROUBLESHOOTING TABLE

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure connector is securely attached at the CAN junction block. If you hardwired connections at the CAN junction block, double check them. Make sure the **YELLOW/BROWN** wire is connected to **YELLOW** wire of the CAN junction block and the **RED/BROWN** wire is connected to the other wire in the connector (the color varies). Do not use T-Taps. Soldering or military splicing methods are recommended. Reset the RR.
When making a phone call you cannot hear the callers but they can hear you.	Make sure that the 4-pin green and white connectors in the harness are plugged in correctly as stated in step 2.
The radio stays ON or the radio doesn't come ON at all.	Make sure the 2-pin colored connectors in the harness are connected correctly as stated in step 2.
The light on the Maestro is flashing **RED ONCE**.	There is no firmware on the module; flash the RR module.
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.

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

Web: maestro.idatalink.com/support add www.12voltdata.com/forum/

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
CHRYSLER PACIFICA

RETAINS STEERING WHEEL CONTROLS, VEHICLE SETTINGS, AND MORE!

PRODUCTS REQUIRED

iDatalink Maestro RR or RR2 Radio Replacement Interface
iDatalink Maestro CH3 Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-CHR03-DS

ADDITIONAL RESOURCES

Maestro RR2 Programmable Outputs Guide

OPTIONAL ACCESSORIES

K40 ELECTRONICS
ESCORT

ACC-SP1

Click here for:
Radar Installation Guides

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

NEED HELP?

1 866 427-2999

maestro.support@idatalink.com

maestro.idatalink.com/support
www.12voltdata.com/forum

INSTALLATION INSTRUCTIONS

STEP 1

- Unbox the aftermarket radio and locate its main harness.
- Connect the wires shown on the next page from aftermarket radio main harness to the CH3 T-harness and match the wire functions.

STEP 2

- Determine if the vehicle has a factory amplifier. Look for badges on the radio, door panels and dash that indicate the presence of an amplifier (ex: Alpine).

If the vehicle DOES NOT have a factory amplifier:

- Plug the female GREEN connector to the male GREEN connector of your CH3 T-harness.
- Plug the female WHITE connector to the male WHITE connector of your CH3 T-harness.

If the vehicle DOES have a factory amplifier:

- Plug the female GREEN connector to the male WHITE connector of your CH3 T-harness.
- Plug the female WHITE connector to the male GREEN connector of your CH3 T-harness.

- Remove the factory radio.

STEP 3

- Connect the factory harness to the CH3 T-harness.

STEP 4

- Plug the aftermarket radio harnesses 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.

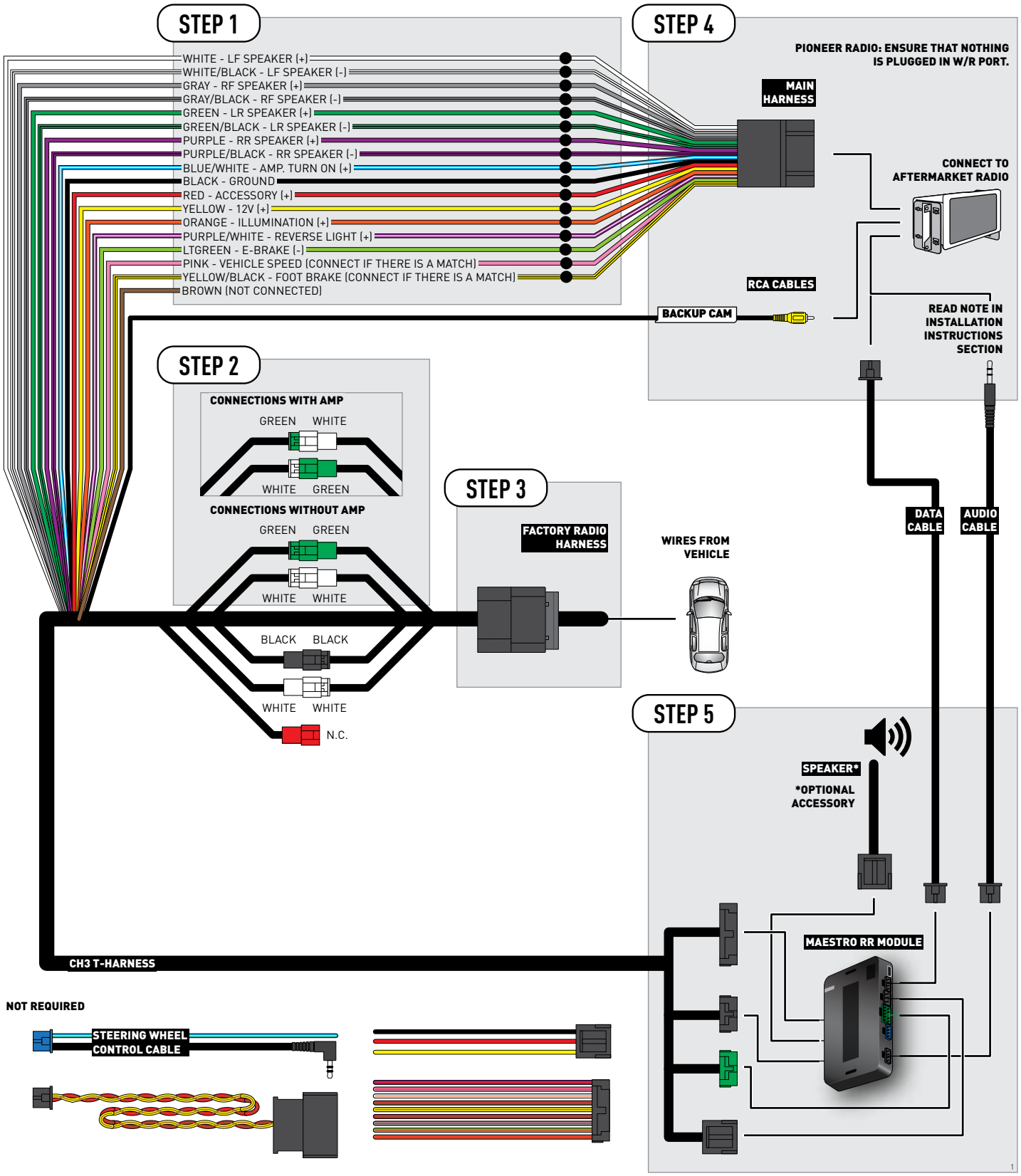
  If the vehicle is equipped with parking sensors AND using an Alpine radio: plug Audio cable in auxiliary input of the radio.

STEP 5

- Connect all the harnesses to the Maestro RR module then test your installation.
- If the vehicle is equipped with OEM parking assist, lane departure, or other safety systems, the ACC-SP1 is required: Plug the ACC-SP1 the Maestro RR.

  If you are not using this speaker, the radio will mute when the parking assist is active. If you are using this speaker, the parking assist chimes will play through the external speaker and the radio will not mute unless the settings are changed in the radio.

WIRING DIAGRAM



RADIO WIRE REFERENCE CHART

Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood 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
Foot Brake	(+)	Yellow/Black	Yellow/Black	N/A	N/A	N/A
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A

TROUBLESHOOTING TABLE

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure connector is securely attached at the CAN junction block. If you hardwired connections at the CAN junction block, double check them. Make sure the **YELLOW/BROWN** wire is connected to **YELLOW** wire of the CAN junction block and the **RED/BROWN** wire is connected to the other wire in the connector (the color varies). Do not use T-Taps. Soldering or military splicing methods are recommended. Reset the RR.
When making a phone call you cannot hear the callers but they can hear you.	Make sure that the 4-pin green and white connectors in the harness are plugged in correctly as stated in step 2.
The radio stays ON or the radio doesn't come ON at all.	Make sure the 2-pin colored connectors in the harness are connected correctly as stated in step 2.
The light on the Maestro is flashing **RED ONCE**.	There is no firmware on the module; flash the RR module.
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.

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

Web: maestro.idatalink.com/support add www.12voltdata.com/forum/

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

2018-2020
CHRYSLER PACIFICA

RETAINS STEERING WHEEL CONTROLS, VEHICLE SETTINGS, AND MORE!

PRODUCTS REQUIRED

iDatalink Maestro RR or RR2 Radio Replacement Interface
iDatalink Maestro CH3 Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-CHR03-DS

ADDITIONAL RESOURCES

Maestro RR2 Programmable Outputs Guide

OPTIONAL ACCESSORIES

K40 ELECTRONICS
ESCORT

Click here for:
Radar Installation Guides

ACC-SP1

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

NEED HELP?

1 866 427-2999

maestro.support@idatalink.com

maestro.idatalink.com/support
www.12voltdata.com/forum

INSTALLATION INSTRUCTIONS

STEP 1

- Unbox the aftermarket radio and locate its main harness.
- Connect the wires shown on the next page from aftermarket radio main harness to the CH3 T-harness and match the wire functions.

STEP 2

- Determine if the vehicle has a factory amplifier. Look for badges on the radio, door panels and dash that indicate the presence of an amplifier (ex: Alpine).

If the vehicle DOES NOT have a factory amplifier:

- Plug the female GREEN connector to the male GREEN connector of your CH3 T-harness.
- Plug the female WHITE connector to the male WHITE connector of your CH3 T-harness.

If the vehicle DOES have a factory amplifier:

- Plug the female GREEN connector to the male WHITE connector of your CH3 T-harness.
- Plug the female WHITE connector to the male GREEN connector of your CH3 T-harness.

- Remove the factory radio.

STEP 3

- Connect the factory harness to the CH3 T-harness.

STEP 4

- If using a CH3 T-harness **VER_1.6 or earlier**, the OBDII connection will not provide the data necessary for this solution to function properly.
- Connect the black 2-pin connector from the OBDII cable to the CH3 T-harness. Cut and remove the OBDII connector from the cable.
- Connect Red/Brown wire to vehicle CANH and Yellow/Brown to vehicle CANL, located at CAN junction connector.

STEP 5

- Plug the aftermarket radio harnesses 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.

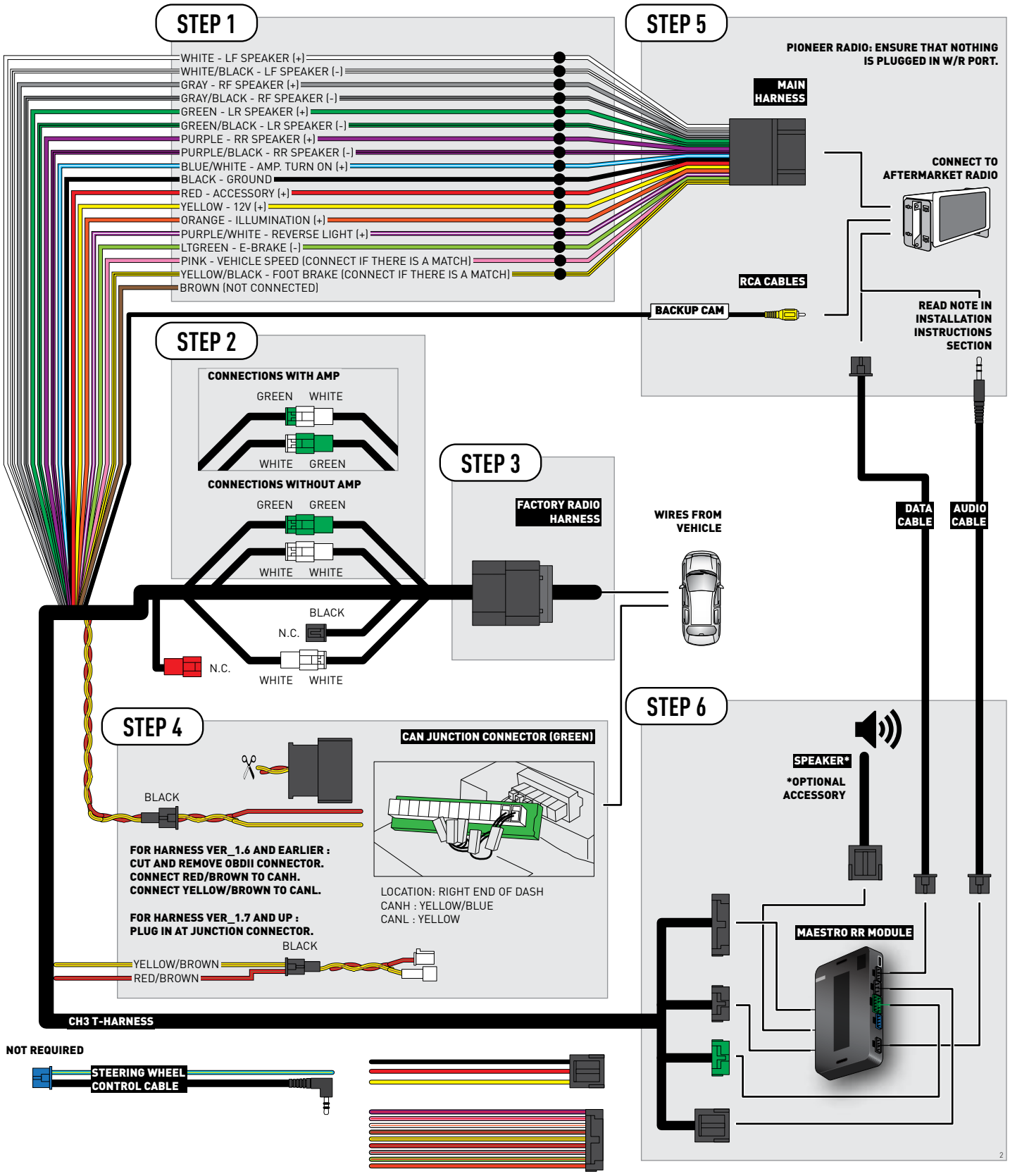
  If the vehicle is equipped with parking sensors AND using an Alpine radio: plug Audio cable in auxiliary input of the radio.

STEP 6

- Connect all the harnesses to the Maestro RR module then test your installation.
- If the vehicle is equipped with OEM parking assist, lane departure, or other safety systems, the ACC-SP1 is required: Plug the ACC-SP1 the Maestro RR.

  If you are not using this speaker, the radio will mute when the parking assist is active. If you are using this speaker, the parking assist chimes will play through the external speaker and the radio will not mute unless the settings are changed in the radio.

WIRING DIAGRAM



RADIO WIRE REFERENCE CHART

Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood 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
Foot Brake	(+)	Yellow/Black	Yellow/Black	N/A	N/A	N/A
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A

TROUBLESHOOTING TABLE

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure connector is securely attached at the CAN junction block. If you hardwired connections at the CAN junction block, double check them. Make sure the **YELLOW/BROWN** wire is connected to **YELLOW** wire of the CAN junction block and the **RED/BROWN** wire is connected to the other wire in the connector (the color varies). Do not use T-Taps. Soldering or military splicing methods are recommended. Reset the RR.
When making a phone call you cannot hear the callers but they can hear you.	Make sure that the 4-pin green and white connectors in the harness are plugged in correctly as stated in step 2.
The radio stays ON or the radio doesn't come ON at all.	Make sure the 2-pin colored connectors in the harness are connected correctly as stated in step 2.
The light on the Maestro is flashing **RED ONCE**.	There is no firmware on the module; flash the RR module.
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.

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

Web: maestro.idatalink.com/support add www.12voltdata.com/forum/

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

2020
CHRYSLER VOYAGER

RETAINS STEERING WHEEL CONTROLS, VEHICLE SETTINGS, AND MORE!

PRODUCTS REQUIRED

iDatalink Maestro RR or RR2 Radio Replacement Interface
iDatalink Maestro CH3 Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-CHR03-DS

ADDITIONAL RESOURCES

Maestro RR2 Programmable Outputs Guide

OPTIONAL ACCESSORIES

K40 ELECTRONICS
ESCORT

ACC-SP1

Click here for:
Radar Installation Guides

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

NEED HELP?

1 866 427-2999

maestro.support@idatalink.com

maestro.idatalink.com/support
www.12voltdata.com/forum

INSTALLATION INSTRUCTIONS

STEP 1

- Unbox the aftermarket radio and locate its main harness.
- Connect the wires shown on the next page from aftermarket radio main harness to the CH3 T-harness and match the wire functions.

STEP 2

- Determine if the vehicle has a factory amplifier. Look for badges on the radio, door panels and dash that indicate the presence of an amplifier (ex: Alpine).

If the vehicle DOES NOT have a factory amplifier:

- Plug the female GREEN connector to the male GREEN connector of your CH3 T-harness.
- Plug the female WHITE connector to the male WHITE connector of your CH3 T-harness.

If the vehicle DOES have a factory amplifier:

- Plug the female GREEN connector to the male WHITE connector of your CH3 T-harness.
- Plug the female WHITE connector to the male GREEN connector of your CH3 T-harness.

- Remove the factory radio.

STEP 3

- Connect the factory harness to the CH3 T-harness.

STEP 4

- If using a CH3 T-harness **VER_1.6 or earlier**, the OBDII connection will not provide the data necessary for this solution to function properly.
- Connect the black 2-pin connector from the OBDII cable to the CH3 T-harness. Cut and remove the OBDII connector from the cable.
- Connect Red/Brown wire to vehicle CANH and Yellow/Brown to vehicle CANL, located at CAN junction connector.

STEP 5

- Plug the aftermarket radio harnesses 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.

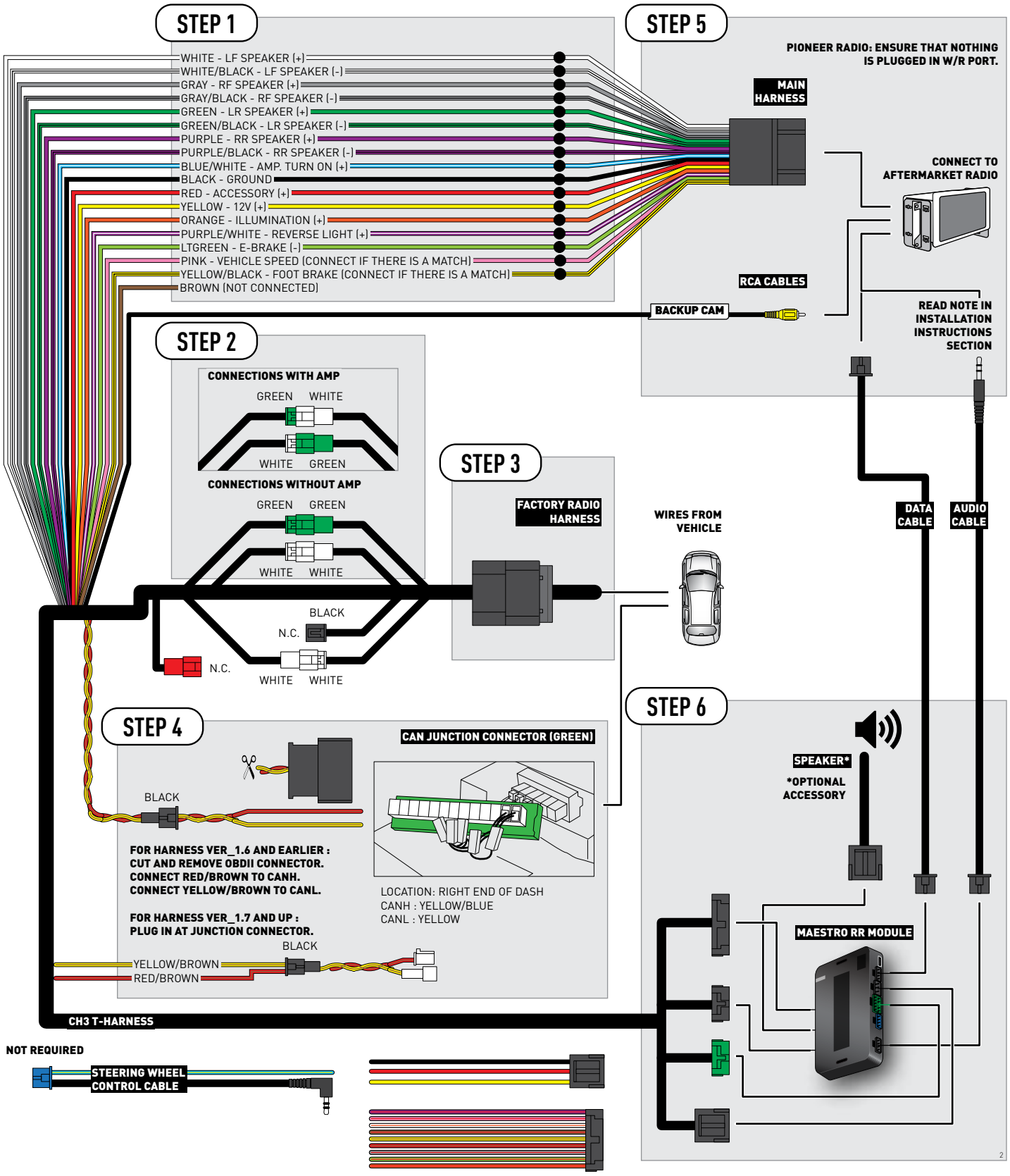
  If the vehicle is equipped with parking sensors AND using an Alpine radio: plug Audio cable in auxiliary input of the radio.

STEP 6

- Connect all the harnesses to the Maestro RR module then test your installation.
- If the vehicle is equipped with OEM parking assist, lane departure, or other safety systems, the ACC-SP1 is required: Plug the ACC-SP1 the Maestro RR.

  If you are not using this speaker, the radio will mute when the parking assist is active. If you are using this speaker, the parking assist chimes will play through the external speaker and the radio will not mute unless the settings are changed in the radio.

WIRING DIAGRAM



RADIO WIRE REFERENCE CHART

Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood 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
Foot Brake	(+)	Yellow/Black	Yellow/Black	N/A	N/A	N/A
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A

TROUBLESHOOTING TABLE

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure connector is securely attached at the CAN junction block. If you hardwired connections at the CAN junction block, double check them. Make sure the **YELLOW/BROWN** wire is connected to **YELLOW** wire of the CAN junction block and the **RED/BROWN** wire is connected to the other wire in the connector (the color varies). Do not use T-Taps. Soldering or military splicing methods are recommended. Reset the RR.
When making a phone call you cannot hear the callers but they can hear you.	Make sure that the 4-pin green and white connectors in the harness are plugged in correctly as stated in step 2.
The radio stays ON or the radio doesn't come ON at all.	Make sure the 2-pin colored connectors in the harness are connected correctly as stated in step 2.
The light on the Maestro is flashing **RED ONCE**.	There is no firmware on the module; flash the RR module.
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.

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

Web: maestro.idatalink.com/support add www.12voltdata.com/forum/

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

2015-2017
DODGE CHALLENGER

RETAINS STEERING WHEEL CONTROLS, VEHICLE SETTINGS, AND MORE!

PRODUCTS REQUIRED

iDatalink Maestro RR or RR2 Radio Replacement Interface
iDatalink Maestro CH3 Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-CHR03-DS

ADDITIONAL RESOURCES

Maestro RR2 Programmable Outputs Guide

OPTIONAL ACCESSORIES

K40 ELECTRONICS
ESCORT

ACC-SP1

Click here for:
Radar Installation Guides

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

NEED HELP?

1 866 427-2999

maestro.support@idatalink.com

maestro.idatalink.com/support
www.12voltdata.com/forum

INSTALLATION INSTRUCTIONS

STEP 1

- Unbox the aftermarket radio and locate its main harness.
- Connect the wires shown on the next page from aftermarket radio main harness to the CH3 T-harness and match the wire functions.

STEP 2

- Determine if the vehicle has a factory amplifier. Look for badges on the radio, door panels and dash that indicate the presence of an amplifier (ex: Alpine).

If the vehicle DOES NOT have a factory amplifier:

- Plug the female GREEN connector to the male GREEN connector of your CH3 T-harness.
- Plug the female WHITE connector to the male WHITE connector of your CH3 T-harness.

If the vehicle DOES have a factory amplifier:

- Plug the female GREEN connector to the male WHITE connector of your CH3 T-harness.
- Plug the female WHITE connector to the male GREEN connector of your CH3 T-harness.

- Remove the factory radio.

STEP 3

- Connect the factory harness to the CH3 T-harness.

STEP 4

- Plug the aftermarket radio harnesses 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.

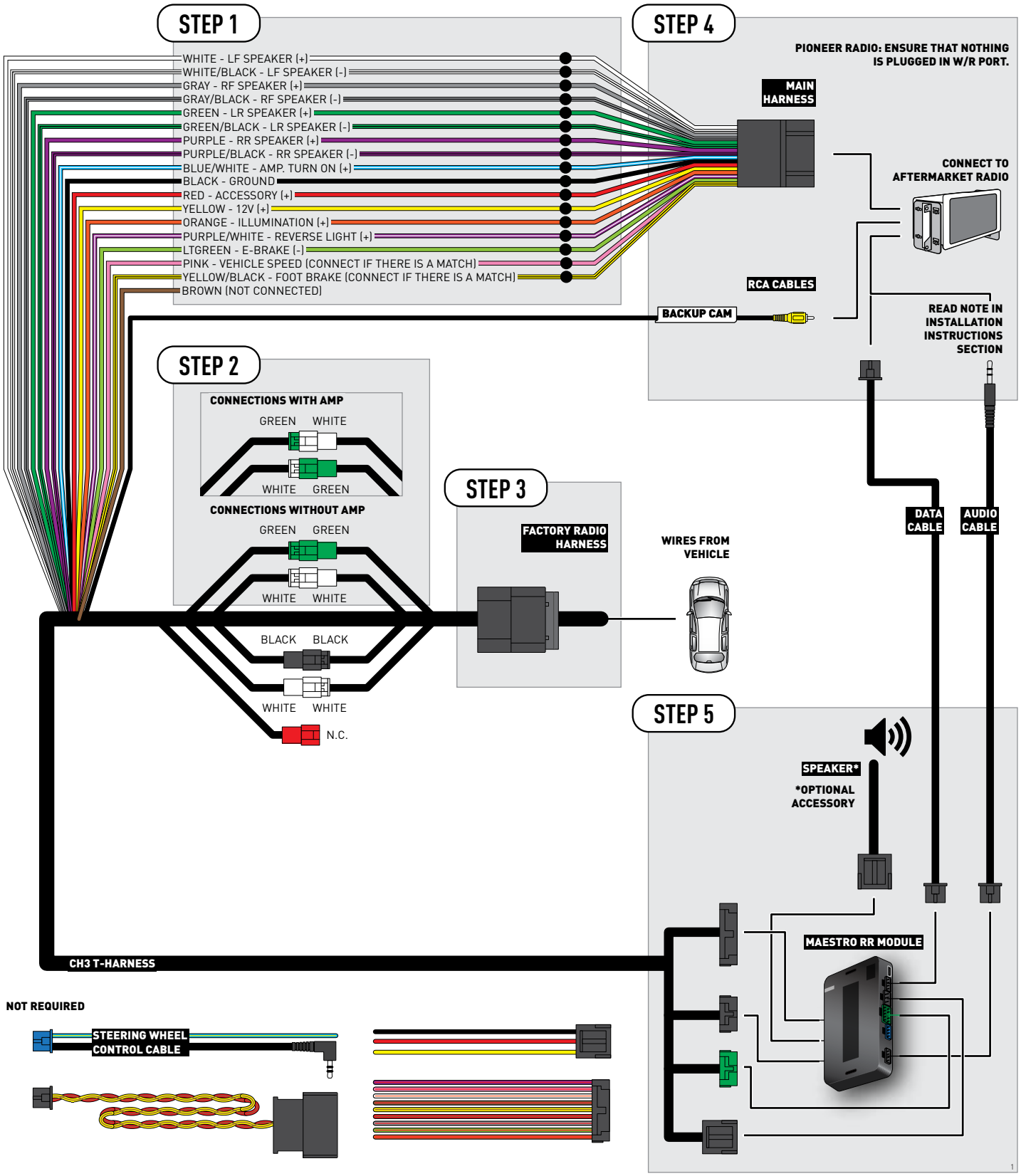
  If the vehicle is equipped with parking sensors AND using an Alpine radio: plug Audio cable in auxiliary input of the radio.

STEP 5

- Connect all the harnesses to the Maestro RR module then test your installation.
- If the vehicle is equipped with OEM parking assist, lane departure, or other safety systems, the ACC-SP1 is required: Plug the ACC-SP1 the Maestro RR.

  If you are not using this speaker, the radio will mute when the parking assist is active. If you are using this speaker, the parking assist chimes will play through the external speaker and the radio will not mute unless the settings are changed in the radio.

WIRING DIAGRAM



RADIO WIRE REFERENCE CHART

Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood 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
Foot Brake	(+)	Yellow/Black	Yellow/Black	N/A	N/A	N/A
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A

TROUBLESHOOTING TABLE

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure connector is securely attached at the CAN junction block. If you hardwired connections at the CAN junction block, double check them. Make sure the **YELLOW/BROWN** wire is connected to **YELLOW** wire of the CAN junction block and the **RED/BROWN** wire is connected to the other wire in the connector (the color varies). Do not use T-Taps. Soldering or military splicing methods are recommended. Reset the RR.
When making a phone call you cannot hear the callers but they can hear you.	Make sure that the 4-pin green and white connectors in the harness are plugged in correctly as stated in step 2.
The radio stays ON or the radio doesn't come ON at all.	Make sure the 2-pin colored connectors in the harness are connected correctly as stated in step 2.
The light on the Maestro is flashing **RED ONCE**.	There is no firmware on the module; flash the RR module.
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.

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

Web: maestro.idatalink.com/support add www.12voltdata.com/forum/

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

2018-2020
DODGE CHALLENGER

RETAINS STEERING WHEEL CONTROLS, VEHICLE SETTINGS, AND MORE!

PRODUCTS REQUIRED

iDatalink Maestro RR or RR2 Radio Replacement Interface
iDatalink Maestro CH3 Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-CHR03-DS

ADDITIONAL RESOURCES

Maestro RR2 Programmable Outputs Guide

OPTIONAL ACCESSORIES

K40 ELECTRONICS
ESCORT

ACC-SP1

Click here for:
Radar Installation Guides

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

NEED HELP?

1 866 427-2999

maestro.support@idatalink.com

maestro.idatalink.com/support
www.12voltdata.com/forum

INSTALLATION INSTRUCTIONS

STEP 1

- Unbox the aftermarket radio and locate its main harness.
- Connect the wires shown on the next page from aftermarket radio main harness to the CH3 T-harness and match the wire functions.

STEP 2

- Determine if the vehicle has a factory amplifier. Look for badges on the radio, door panels and dash that indicate the presence of an amplifier (ex: Alpine).

If the vehicle DOES NOT have a factory amplifier:

- Plug the female GREEN connector to the male GREEN connector of your CH3 T-harness.
- Plug the female WHITE connector to the male WHITE connector of your CH3 T-harness.

If the vehicle DOES have a factory amplifier:

- Plug the female GREEN connector to the male WHITE connector of your CH3 T-harness.
- Plug the female WHITE connector to the male GREEN connector of your CH3 T-harness.

- Remove the factory radio.

STEP 3

- Connect the factory harness to the CH3 T-harness.

STEP 4

- If using a CH3 T-harness **VER_1.6 or earlier**, the OBDII connection will not provide the data necessary for this solution to function properly.
- Connect the black 2-pin connector from the OBDII cable to the CH3 T-harness. Cut and remove the OBDII connector from the cable.
- Connect Red/Brown wire to vehicle CANH and Yellow/Brown to vehicle CANL, located at CAN junction connector.

STEP 5

- Plug the aftermarket radio harnesses 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.

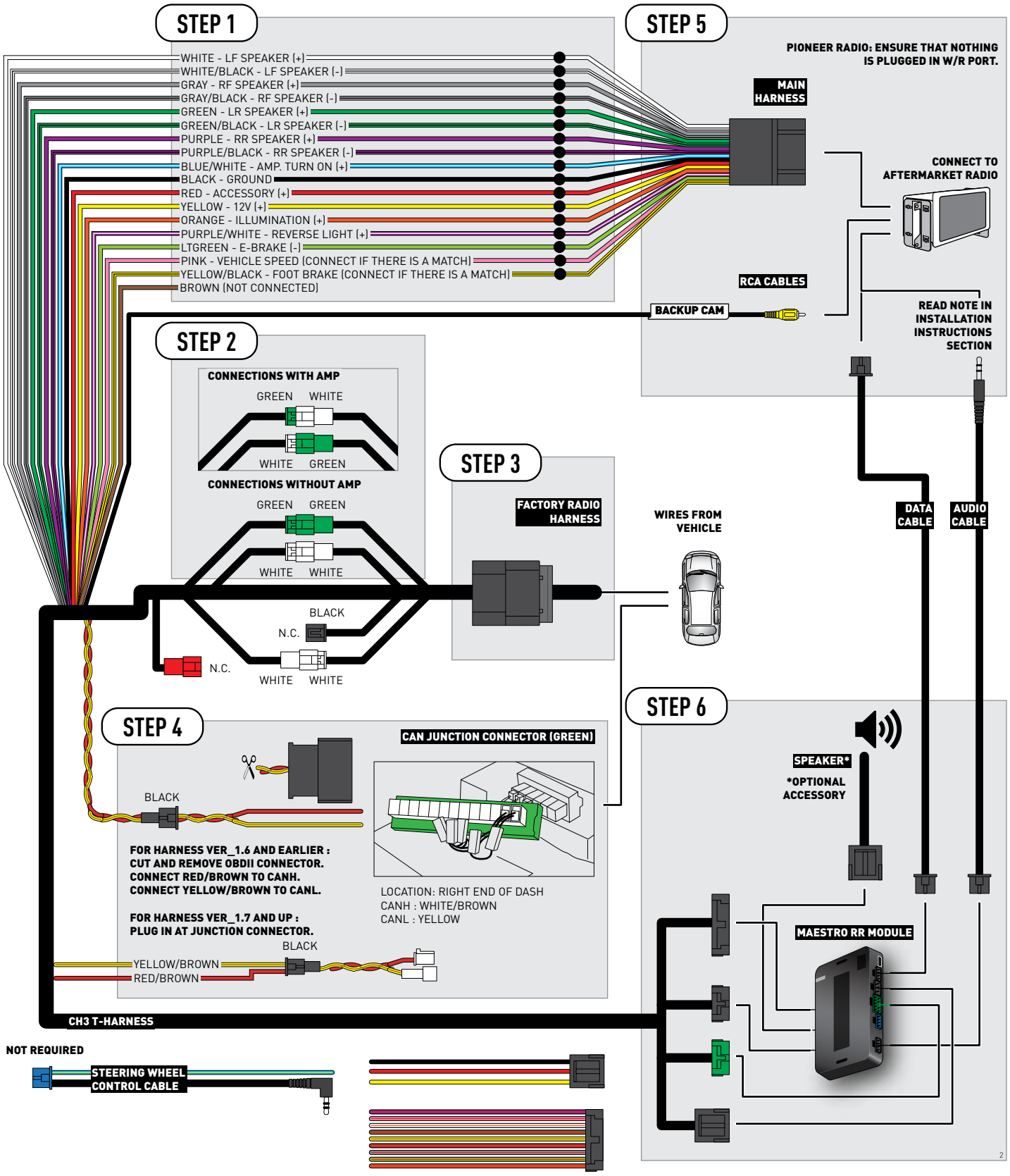
  If the vehicle is equipped with parking sensors AND using an Alpine radio: plug Audio cable in auxiliary input of the radio.

STEP 6

- Connect all the harnesses to the Maestro RR module then test your installation.
- If the vehicle is equipped with OEM parking assist, lane departure, or other safety systems, the ACC-SP1 is required: Plug the ACC-SP1 the Maestro RR.

  If you are not using this speaker, the radio will mute when the parking assist is active. If you are using this speaker, the parking assist chimes will play through the external speaker and the radio will not mute unless the settings are changed in the radio.

WIRING DIAGRAM



RADIO WIRE REFERENCE CHART

Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood 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
Foot Brake	(+)	Yellow/Black	Yellow/Black	N/A	N/A	N/A
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A

TROUBLESHOOTING TABLE

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure connector is securely attached at the CAN junction block. If you hardwired connections at the CAN junction block, double check them. Make sure the **YELLOW/BROWN** wire is connected to **YELLOW** wire of the CAN junction block and the **RED/BROWN** wire is connected to the other wire in the connector (the color varies). Do not use T-Taps. Soldering or military splicing methods are recommended. Reset the RR.
When making a phone call you cannot hear the callers but they can hear you.	Make sure that the 4-pin green and white connectors in the harness are plugged in correctly as stated in step 2.
The radio stays ON or the radio doesn't come ON at all.	Make sure the 2-pin colored connectors in the harness are connected correctly as stated in step 2.
The light on the Maestro is flashing **RED ONCE**.	There is no firmware on the module; flash the RR module.
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.

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

Web: maestro.idatalink.com/support add www.12voltdata.com/forum/

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

2015-2017
DODGE CHARGER

RETAINS STEERING WHEEL CONTROLS, VEHICLE SETTINGS, AND MORE!

PRODUCTS REQUIRED

iDatalink Maestro RR or RR2 Radio Replacement Interface
iDatalink Maestro CH3 Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-CHR03-DS

ADDITIONAL RESOURCES

Maestro RR2 Programmable Outputs Guide

OPTIONAL ACCESSORIES

K40 ELECTRONICS
ESCORT

ACC-SP1

Click here for:
Radar Installation Guides

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

NEED HELP?

1 866 427-2999

maestro.support@idatalink.com

maestro.idatalink.com/support
www.12voltdata.com/forum

INSTALLATION INSTRUCTIONS

STEP 1

- Unbox the aftermarket radio and locate its main harness.
- Connect the wires shown on the next page from aftermarket radio main harness to the CH3 T-harness and match the wire functions.

STEP 2

- Determine if the vehicle has a factory amplifier. Look for badges on the radio, door panels and dash that indicate the presence of an amplifier (ex: Alpine).

If the vehicle DOES NOT have a factory amplifier:

- Plug the female GREEN connector to the male GREEN connector of your CH3 T-harness.
- Plug the female WHITE connector to the male WHITE connector of your CH3 T-harness.

If the vehicle DOES have a factory amplifier:

- Plug the female GREEN connector to the male WHITE connector of your CH3 T-harness.
- Plug the female WHITE connector to the male GREEN connector of your CH3 T-harness.

- Remove the factory radio.

STEP 3

- Connect the factory harness to the CH3 T-harness.

STEP 4

- Plug the aftermarket radio harnesses 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.

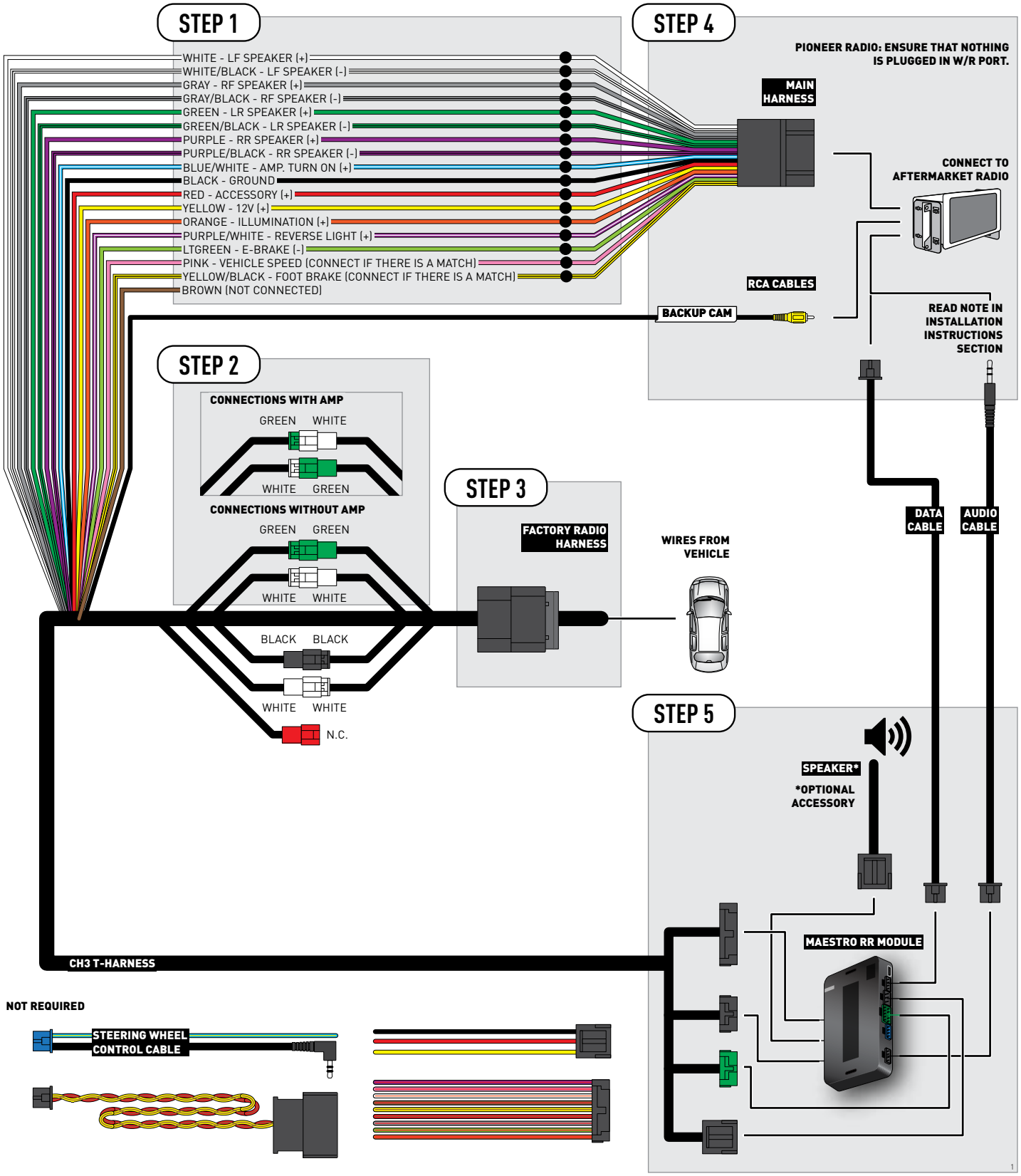
  If the vehicle is equipped with parking sensors AND using an Alpine radio: plug Audio cable in auxiliary input of the radio.

STEP 5

- Connect all the harnesses to the Maestro RR module then test your installation.
- If the vehicle is equipped with OEM parking assist, lane departure, or other safety systems, the ACC-SP1 is required: Plug the ACC-SP1 the Maestro RR.

  If you are not using this speaker, the radio will mute when the parking assist is active. If you are using this speaker, the parking assist chimes will play through the external speaker and the radio will not mute unless the settings are changed in the radio.

WIRING DIAGRAM



RADIO WIRE REFERENCE CHART

Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood 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
Foot Brake	(+)	Yellow/Black	Yellow/Black	N/A	N/A	N/A
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A

TROUBLESHOOTING TABLE

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure connector is securely attached at the CAN junction block. If you hardwired connections at the CAN junction block, double check them. Make sure the **YELLOW/BROWN** wire is connected to **YELLOW** wire of the CAN junction block and the **RED/BROWN** wire is connected to the other wire in the connector (the color varies). Do not use T-Taps. Soldering or military splicing methods are recommended. Reset the RR.
When making a phone call you cannot hear the callers but they can hear you.	Make sure that the 4-pin green and white connectors in the harness are plugged in correctly as stated in step 2.
The radio stays ON or the radio doesn't come ON at all.	Make sure the 2-pin colored connectors in the harness are connected correctly as stated in step 2.
The light on the Maestro is flashing **RED ONCE**.	There is no firmware on the module; flash the RR module.
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.

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

Web: maestro.idatalink.com/support add www.12voltdata.com/forum/

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

2018-2020
DODGE CHARGER

RETAINS STEERING WHEEL CONTROLS, VEHICLE SETTINGS, AND MORE!

PRODUCTS REQUIRED

iDatalink Maestro RR or RR2 Radio Replacement Interface
iDatalink Maestro CH3 Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-CHR03-DS

ADDITIONAL RESOURCES

Maestro RR2 Programmable Outputs Guide

OPTIONAL ACCESSORIES

K40 ELECTRONICS
ESCORT

Click here for:
Radar Installation Guides

ACC-SP1

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

NEED HELP?

1 866 427-2999

maestro.support@idatalink.com

maestro.idatalink.com/support
www.12voltdata.com/forum

INSTALLATION INSTRUCTIONS

STEP 1

- Unbox the aftermarket radio and locate its main harness.
- Connect the wires shown on the next page from aftermarket radio main harness to the CH3 T-harness and match the wire functions.

STEP 2

- Determine if the vehicle has a factory amplifier. Look for badges on the radio, door panels and dash that indicate the presence of an amplifier (ex: Alpine).

If the vehicle DOES NOT have a factory amplifier:

- Plug the female GREEN connector to the male GREEN connector of your CH3 T-harness.
- Plug the female WHITE connector to the male WHITE connector of your CH3 T-harness.

If the vehicle DOES have a factory amplifier:

- Plug the female GREEN connector to the male WHITE connector of your CH3 T-harness.
- Plug the female WHITE connector to the male GREEN connector of your CH3 T-harness.

- Remove the factory radio.

STEP 3

- Connect the factory harness to the CH3 T-harness.

STEP 4

- If using a CH3 T-harness **VER_1.6 or earlier**, the OBDII connection will not provide the data necessary for this solution to function properly.
- Connect the black 2-pin connector from the OBDII cable to the CH3 T-harness. Cut and remove the OBDII connector from the cable.
- Connect Red/Brown wire to vehicle CANH and Yellow/Brown to vehicle CANL, located at CAN junction connector.

STEP 5

- Plug the aftermarket radio harnesses 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.

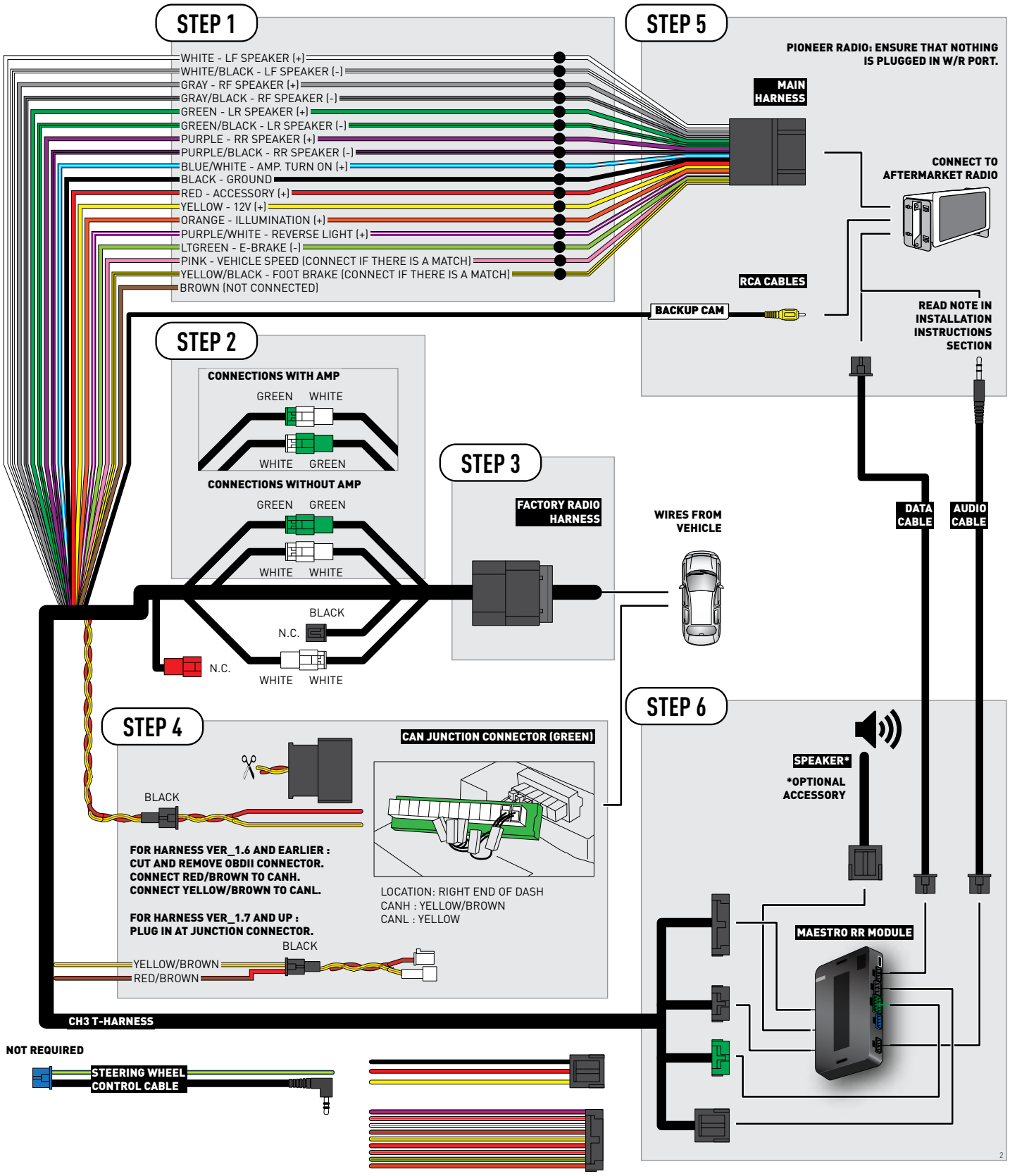
  If the vehicle is equipped with parking sensors AND using an Alpine radio: plug Audio cable in auxiliary input of the radio.

STEP 6

- Connect all the harnesses to the Maestro RR module then test your installation.
- If the vehicle is equipped with OEM parking assist, lane departure, or other safety systems, the ACC-SP1 is required: Plug the ACC-SP1 the Maestro RR.

  If you are not using this speaker, the radio will mute when the parking assist is active. If you are using this speaker, the parking assist chimes will play through the external speaker and the radio will not mute unless the settings are changed in the radio.

WIRING DIAGRAM



RADIO WIRE REFERENCE CHART

Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood 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
Foot Brake	(+)	Yellow/Black	Yellow/Black	N/A	N/A	N/A
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A

TROUBLESHOOTING TABLE

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure connector is securely attached at the CAN junction block. If you hardwired connections at the CAN junction block, double check them. Make sure the **YELLOW/BROWN** wire is connected to **YELLOW** wire of the CAN junction block and the **RED/BROWN** wire is connected to the other wire in the connector (the color varies). Do not use T-Taps. Soldering or military splicing methods are recommended. Reset the RR.
When making a phone call you cannot hear the callers but they can hear you.	Make sure that the 4-pin green and white connectors in the harness are plugged in correctly as stated in step 2.
The radio stays ON or the radio doesn't come ON at all.	Make sure the 2-pin colored connectors in the harness are connected correctly as stated in step 2.
The light on the Maestro is flashing **RED ONCE**.	There is no firmware on the module; flash the RR module.
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.

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

Web: maestro.idatalink.com/support add www.12voltdata.com/forum/

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

2014-2017
DODGE DURANGO

RETAINS STEERING WHEEL CONTROLS, VEHICLE SETTINGS, AND MORE!

PRODUCTS REQUIRED
iDatalink Maestro RR or RR2 Radio Replacement Interface
iDatalink Maestro CH3 Installation Harness

PROGRAMMED FIRMWARE
ADS-RR(SR)-CHR03-DS

ADDITIONAL RESOURCES
Maestro RR2 Programmable Outputs Guide

OPTIONAL ACCESSORIES
K40 ELECTRONICS ESCORT

Click here for:
Radar Installation Guides

ACC-SP1

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

NEED HELP?

1 866 427-2999

maestro.support@idatalink.com

maestro.idatalink.com/support
www.12voltdata.com/forum

INSTALLATION INSTRUCTIONS

STEP 1

- Unbox the aftermarket radio and locate its main harness.
- Connect the wires shown on the next page from aftermarket radio main harness to the CH3 T-harness and match the wire functions.

STEP 2

- Determine if the vehicle has a factory amplifier. Look for badges on the radio, door panels and dash that indicate the presence of an amplifier (ex: Alpine).

If the vehicle DOES NOT have a factory amplifier:

- Plug the female GREEN connector to the male GREEN connector of your CH3 T-harness.
- Plug the female WHITE connector to the male WHITE connector of your CH3 T-harness.

If the vehicle DOES have a factory amplifier:

- Plug the female GREEN connector to the male WHITE connector of your CH3 T-harness.
- Plug the female WHITE connector to the male GREEN connector of your CH3 T-harness.

- Remove the factory radio.

STEP 3

- Connect the factory harness to the CH3 T-harness.

STEP 4

- Plug the aftermarket radio harnesses 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.

  If the vehicle is equipped with parking sensors AND using an Alpine radio: plug Audio cable in auxiliary input of the radio.

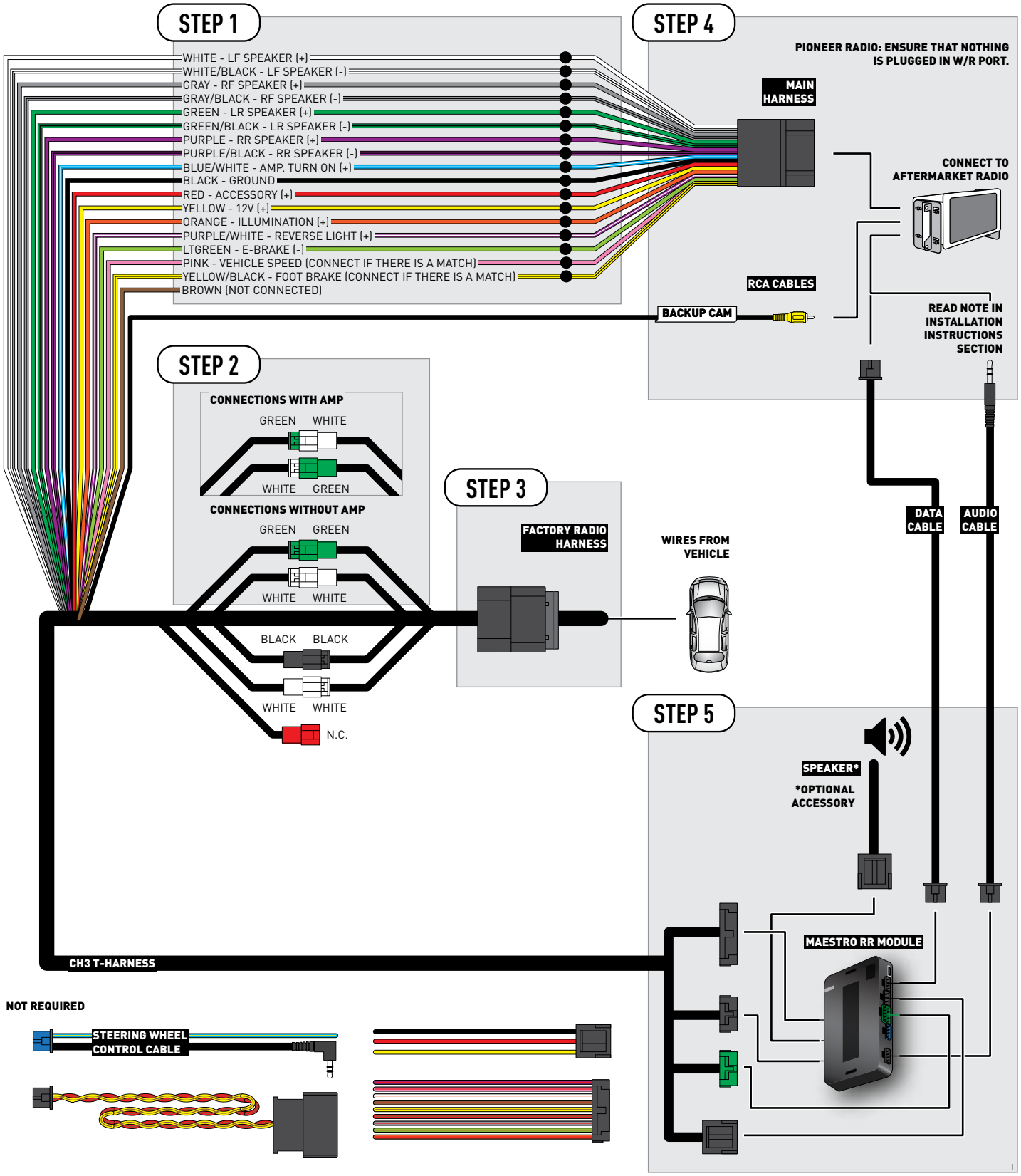
STEP 5

- Connect all the harnesses to the Maestro RR module then test your installation.
- If the vehicle is equipped with OEM parking assist, lane departure, or other safety systems, the ACC-SP1 is required: Plug the ACC-SP1 the Maestro RR.

  If you are not using this speaker, the radio will mute when the parking assist is active. If you are using this speaker, the parking assist chimes will play through the external speaker and the radio will not mute unless the settings are changed in the radio.

1

WIRING DIAGRAM



RADIO WIRE REFERENCE CHART

Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood 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
Foot Brake	(+)	Yellow/Black	Yellow/Black	N/A	N/A	N/A
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A

TROUBLESHOOTING TABLE

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure connector is securely attached at the CAN junction block. If you hardwired connections at the CAN junction block, double check them. Make sure the **YELLOW/BROWN** wire is connected to **YELLOW** wire of the CAN junction block and the **RED/BROWN** wire is connected to the other wire in the connector (the color varies). Do not use T-Taps. Soldering or military splicing methods are recommended. Reset the RR.
When making a phone call you cannot hear the callers but they can hear you.	Make sure that the 4-pin green and white connectors in the harness are plugged in correctly as stated in step 2.
The radio stays ON or the radio doesn't come ON at all.	Make sure the 2-pin colored connectors in the harness are connected correctly as stated in step 2.
The light on the Maestro is flashing **RED ONCE**.	There is no firmware on the module; flash the RR module.
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.

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

Web: maestro.idatalink.com/support add www.12voltdata.com/forum/

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

2018-2020
DODGE DURANGO

RETAINS STEERING WHEEL CONTROLS, VEHICLE SETTINGS, AND MORE!

PRODUCTS REQUIRED

iDatalink Maestro RR or RR2 Radio Replacement Interface
iDatalink Maestro CH3 Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-CHR03-DS

ADDITIONAL RESOURCES

Maestro RR2 Programmable Outputs Guide

OPTIONAL ACCESSORIES

K40 ELECTRONICS ESCORT

ACC-SP1

Click here for:
Radar Installation Guides

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

NEED HELP?

1 866 427-2999

maestro.support@idatalink.com

maestro.idatalink.com/support
www.12voltdata.com/forum

INSTALLATION INSTRUCTIONS

STEP 1

- Unbox the aftermarket radio and locate its main harness.
- Connect the wires shown on the next page from aftermarket radio main harness to the CH3 T-harness and match the wire functions.

STEP 2

- Determine if the vehicle has a factory amplifier. Look for badges on the radio, door panels and dash that indicate the presence of an amplifier (ex: Alpine).

If the vehicle DOES NOT have a factory amplifier:

- Plug the female GREEN connector to the male GREEN connector of your CH3 T-harness.
- Plug the female WHITE connector to the male WHITE connector of your CH3 T-harness.

If the vehicle DOES have a factory amplifier:

- Plug the female GREEN connector to the male WHITE connector of your CH3 T-harness.
- Plug the female WHITE connector to the male GREEN connector of your CH3 T-harness.

- Remove the factory radio.

STEP 3

- Connect the factory harness to the CH3 T-harness.

STEP 4

- If using a CH3 T-harness **VER_1.6 or earlier**, the OBDII connection will not provide the data necessary for this solution to function properly.
- Connect the black 2-pin connector from the OBDII cable to the CH3 T-harness. Cut and remove the OBDII connector from the cable.
- Connect Red/Brown wire to vehicle CANH and Yellow/Brown to vehicle CANL, located at CAN junction connector.

STEP 5

- Plug the aftermarket radio harnesses 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.

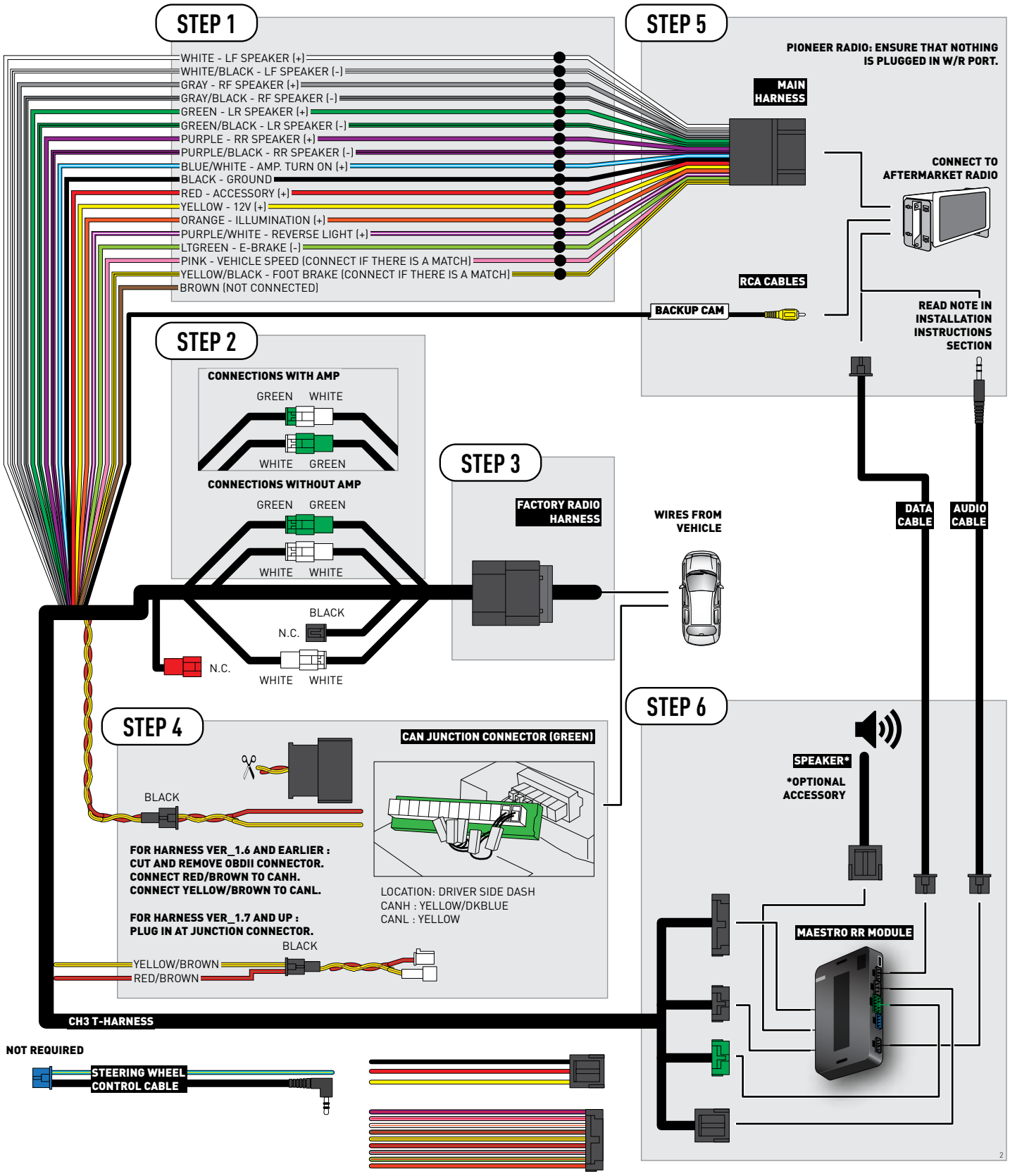
  If the vehicle is equipped with parking sensors AND using an Alpine radio: plug Audio cable in auxiliary input of the radio.

STEP 6

- Connect all the harnesses to the Maestro RR module then test your installation.
- If the vehicle is equipped with OEM parking assist, lane departure, or other safety systems, the ACC-SP1 is required: Plug the ACC-SP1 the Maestro RR.

  If you are not using this speaker, the radio will mute when the parking assist is active. If you are using this speaker, the parking assist chimes will play through the external speaker and the radio will not mute unless the settings are changed in the radio.

WIRING DIAGRAM



RADIO WIRE REFERENCE CHART

Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood 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
Foot Brake	(+)	Yellow/Black	Yellow/Black	N/A	N/A	N/A
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A

TROUBLESHOOTING TABLE

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure connector is securely attached at the CAN junction block. If you hardwired connections at the CAN junction block, double check them. Make sure the **YELLOW/BROWN** wire is connected to **YELLOW** wire of the CAN junction block and the **RED/BROWN** wire is connected to the other wire in the connector (the color varies). Do not use T-Taps. Soldering or military splicing methods are recommended. Reset the RR.
When making a phone call you cannot hear the callers but they can hear you.	Make sure that the 4-pin green and white connectors in the harness are plugged in correctly as stated in step 2.
The radio stays ON or the radio doesn't come ON at all.	Make sure the 2-pin colored connectors in the harness are connected correctly as stated in step 2.
The light on the Maestro is flashing **RED ONCE**.	There is no firmware on the module; flash the RR module.
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.

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

Web: maestro.idatalink.com/support add www.12voltdata.com/forum/

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

2013-2017
DODGE VIPER

RETAINS STEERING WHEEL CONTROLS, VEHICLE SETTINGS, AND MORE!

PRODUCTS REQUIRED

iDatalink Maestro RR or RR2 Radio Replacement Interface
iDatalink Maestro CH3 Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-CHR03-DS

ADDITIONAL RESOURCES

Maestro RR2 Programmable Outputs Guide

OPTIONAL ACCESSORIES

K40 ELECTRONICS
ESCORT

ACC-SP1

Click here for:
Radar Installation Guides

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

NEED HELP?

1 866 427-2999

maestro.support@idatalink.com

maestro.idatalink.com/support
www.12voltdata.com/forum

INSTALLATION INSTRUCTIONS

STEP 1

- Unbox the aftermarket radio and locate its main harness.
- Connect the wires shown on the next page from aftermarket radio main harness to the CH3 T-harness and match the wire functions.

STEP 2

- Determine if the vehicle has a factory amplifier. Look for badges on the radio, door panels and dash that indicate the presence of an amplifier (ex: Alpine).

If the vehicle DOES NOT have a factory amplifier:

- Plug the female GREEN connector to the male GREEN connector of your CH3 T-harness.
- Plug the female WHITE connector to the male WHITE connector of your CH3 T-harness.

If the vehicle DOES have a factory amplifier:

- Plug the female GREEN connector to the male WHITE connector of your CH3 T-harness.
- Plug the female WHITE connector to the male GREEN connector of your CH3 T-harness.

- Remove the factory radio.

STEP 3

- Connect the factory harness to the CH3 T-harness.

STEP 4

- Plug the aftermarket radio harnesses 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.

  If the vehicle is equipped with parking sensors AND using an Alpine radio: plug Audio cable in auxiliary input of the radio.

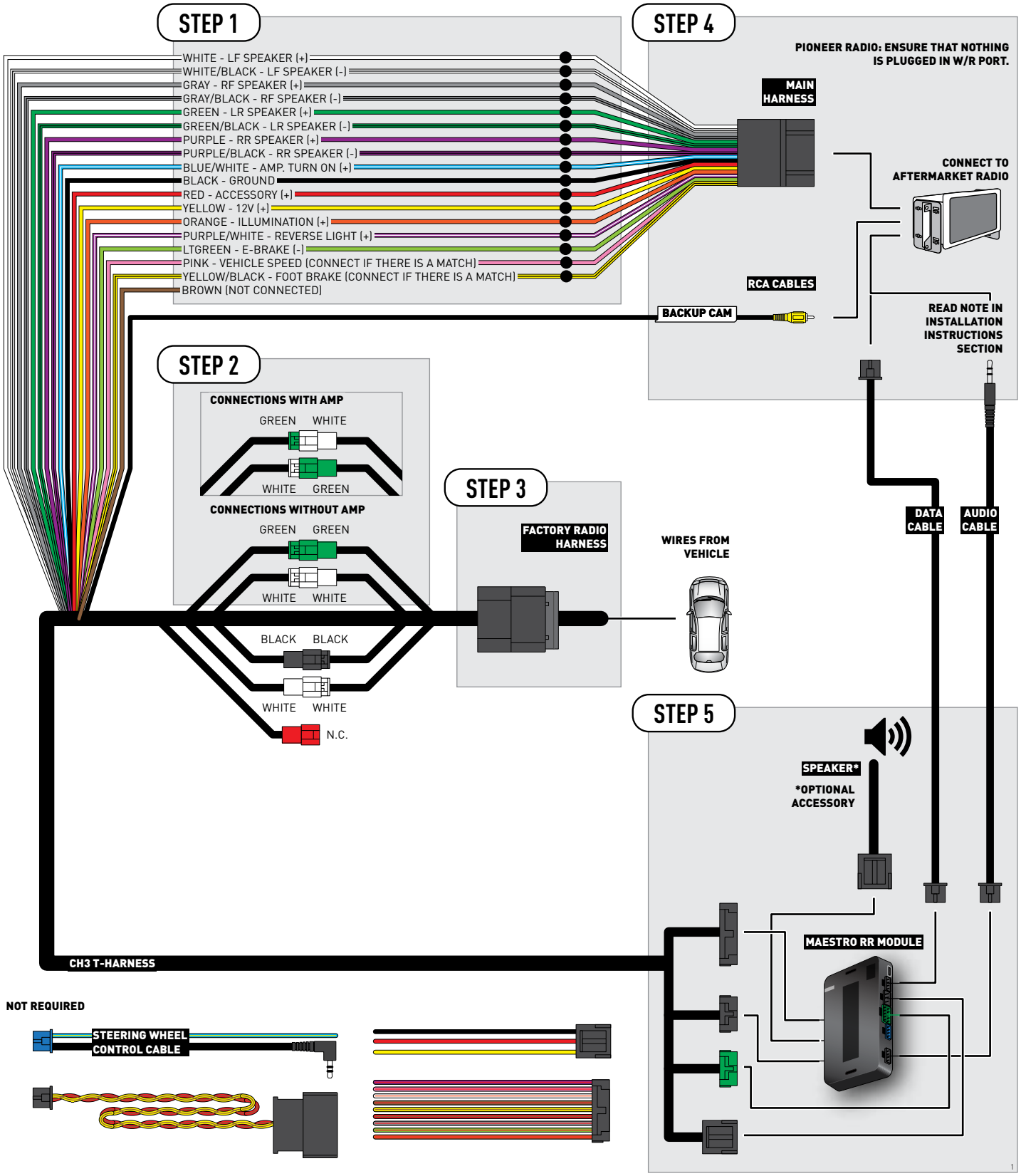
STEP 5

- Connect all the harnesses to the Maestro RR module then test your installation.
- If the vehicle is equipped with OEM parking assist, lane departure, or other safety systems, the ACC-SP1 is required: Plug the ACC-SP1 the Maestro RR.

  If you are not using this speaker, the radio will mute when the parking assist is active. If you are using this speaker, the parking assist chimes will play through the external speaker and the radio will not mute unless the settings are changed in the radio.

1

WIRING DIAGRAM



RADIO WIRE REFERENCE CHART

Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood 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
Foot Brake	(+)	Yellow/Black	Yellow/Black	N/A	N/A	N/A
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A

TROUBLESHOOTING TABLE

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure connector is securely attached at the CAN junction block. If you hardwired connections at the CAN junction block, double check them. Make sure the **YELLOW/BROWN** wire is connected to **YELLOW** wire of the CAN junction block and the **RED/BROWN** wire is connected to the other wire in the connector (the color varies). Do not use T-Taps. Soldering or military splicing methods are recommended. Reset the RR.
When making a phone call you cannot hear the callers but they can hear you.	Make sure that the 4-pin green and white connectors in the harness are plugged in correctly as stated in step 2.
The radio stays ON or the radio doesn't come ON at all.	Make sure the 2-pin colored connectors in the harness are connected correctly as stated in step 2.
The light on the Maestro is flashing **RED ONCE**.	There is no firmware on the module; flash the RR module.
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.

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

Web: maestro.idatalink.com/support add www.12voltdata.com/forum/

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

2020
JEEP GLADIATOR

RETAINS STEERING WHEEL CONTROLS, VEHICLE SETTINGS, AND MORE!

PRODUCTS REQUIRED

iDatalink Maestro RR or RR2 Radio Replacement Interface
iDatalink Maestro CH3 Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-CHR03-DS

ADDITIONAL RESOURCES

Maestro RR2 Programmable Outputs Guide

OPTIONAL ACCESSORIES

K40 ELECTRONICS
ESCORT

Click here for:
Radar Installation Guides

ACC-SP1

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

NEED HELP?

1 866 427-2999

maestro.support@idatalink.com

maestro.idatalink.com/support
www.12voltdata.com/forum

INSTALLATION INSTRUCTIONS

Note: Currently, it is not possible to retain the OEM backup camera in this vehicle.

STEP 1

- Unbox the aftermarket radio and locate its main harness.
- Connect the wires shown on the next page from aftermarket radio main harness to the CH3 T-harness and match the wire functions.

STEP 2

- Determine if the vehicle has a factory amplifier. Look for badges on the radio, door panels and dash that indicate the presence of an amplifier (ex: Alpine).

If the vehicle DOES NOT have a factory amplifier:

- Plug the female GREEN connector to the male GREEN connector of your CH3 T-harness.
- Plug the female WHITE connector to the male WHITE connector of your CH3 T-harness.

If the vehicle DOES have a factory amplifier:

- Plug the female GREEN connector to the male WHITE connector of your CH3 T-harness.
- Plug the female WHITE connector to the male GREEN connector of your CH3 T-harness.

- Remove the factory radio.

STEP 3

- Connect the factory harness to the CH3 T-harness.

STEP 4

- If using a CH3 T-harness **VER_1.6 or earlier**, the OBDII connection will not provide the data necessary for this solution to function properly.
- Connect the black 2-pin connector from the OBDII cable to the CH3 T-harness. Cut and remove the OBDII connector from the cable.
- Connect Red/Brown wire to vehicle CANH and Yellow/Brown to vehicle CANL, located at CAN junction connector.

STEP 5

- Plug the aftermarket radio harnesses 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.

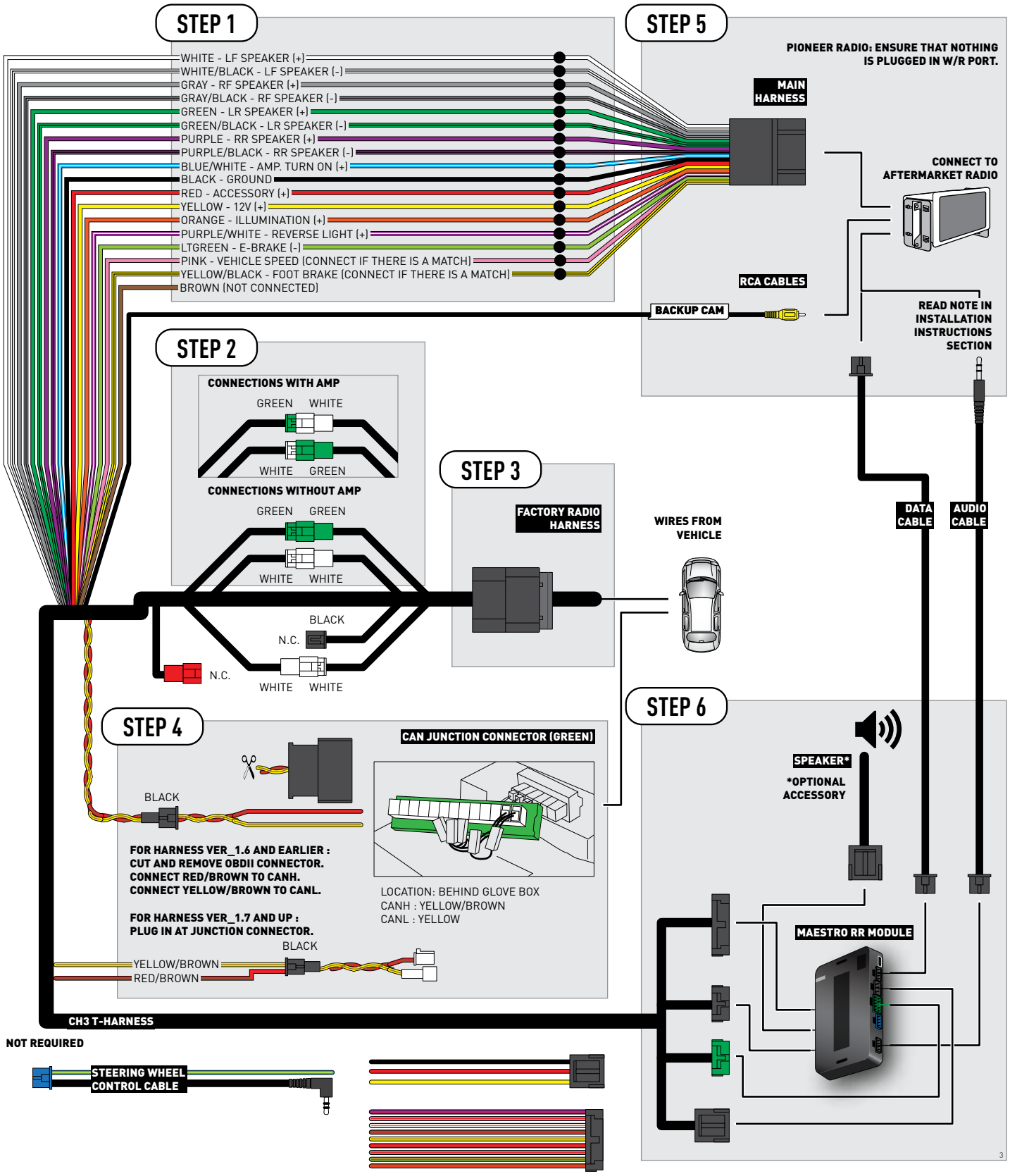
  If the vehicle is equipped with parking sensors AND using an Alpine radio: plug Audio cable in auxiliary input of the radio.

STEP 6

- Connect all the harnesses to the Maestro RR module then test your installation.
- If the vehicle is equipped with OEM parking assist, lane departure, or other safety systems, the ACC-SP1 is required: Plug the ACC-SP1 the Maestro RR.

  If you are not using this speaker, the radio will mute when the parking assist is active. If you are using this speaker, the parking assist chimes will play through the external speaker and the radio will not mute unless the settings are changed in the radio.

WIRING DIAGRAM



RADIO WIRE REFERENCE CHART

Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood 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
Foot Brake	(+)	Yellow/Black	Yellow/Black	N/A	N/A	N/A
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A

TROUBLESHOOTING TABLE

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure connector is securely attached at the CAN junction block. If you hardwired connections at the CAN junction block, double check them. Make sure the **YELLOW/BROWN** wire is connected to **YELLOW** wire of the CAN junction block and the **RED/BROWN** wire is connected to the other wire in the connector (the color varies). Do not use T-Taps. Soldering or military splicing methods are recommended. Reset the RR.
When making a phone call you cannot hear the callers but they can hear you.	Make sure that the 4-pin green and white connectors in the harness are plugged in correctly as stated in step 2.
The radio stays ON or the radio doesn't come ON at all.	Make sure the 2-pin colored connectors in the harness are connected correctly as stated in step 2.
The light on the Maestro is flashing **RED ONCE**.	There is no firmware on the module; flash the RR module.
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.

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

Web: maestro.idatalink.com/support add www.12voltdata.com/forum/

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

2014-2017
JEEP GRAND CHEROKEE

RETAINS STEERING WHEEL CONTROLS, VEHICLE SETTINGS, AND MORE!

PRODUCTS REQUIRED

iDatalink Maestro RR or RR2 Radio Replacement Interface
iDatalink Maestro CH3 Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-CHR03-DS

ADDITIONAL RESOURCES

Maestro RR2 Programmable Outputs Guide

OPTIONAL ACCESSORIES

K40 ELECTRONICS
ESCORT

Click here for:
Radar Installation Guides

ACC-SP1

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

NEED HELP?

1 866 427-2999

maestro.support@idatalink.com

maestro.idatalink.com/support
www.12voltdata.com/forum

INSTALLATION INSTRUCTIONS

STEP 1

- Unbox the aftermarket radio and locate its main harness.
- Connect the wires shown on the next page from aftermarket radio main harness to the CH3 T-harness and match the wire functions.

STEP 2

- Determine if the vehicle has a factory amplifier. Look for badges on the radio, door panels and dash that indicate the presence of an amplifier (ex: Alpine).

If the vehicle DOES NOT have a factory amplifier:

- Plug the female GREEN connector to the male GREEN connector of your CH3 T-harness.
- Plug the female WHITE connector to the male WHITE connector of your CH3 T-harness.

If the vehicle DOES have a factory amplifier:

- Plug the female GREEN connector to the male WHITE connector of your CH3 T-harness.
- Plug the female WHITE connector to the male GREEN connector of your CH3 T-harness.

- Remove the factory radio.

STEP 3

- Connect the factory harness to the CH3 T-harness.

STEP 4

- Plug the aftermarket radio harnesses 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.

  If the vehicle is equipped with parking sensors AND using an Alpine radio: plug Audio cable in auxiliary input of the radio.

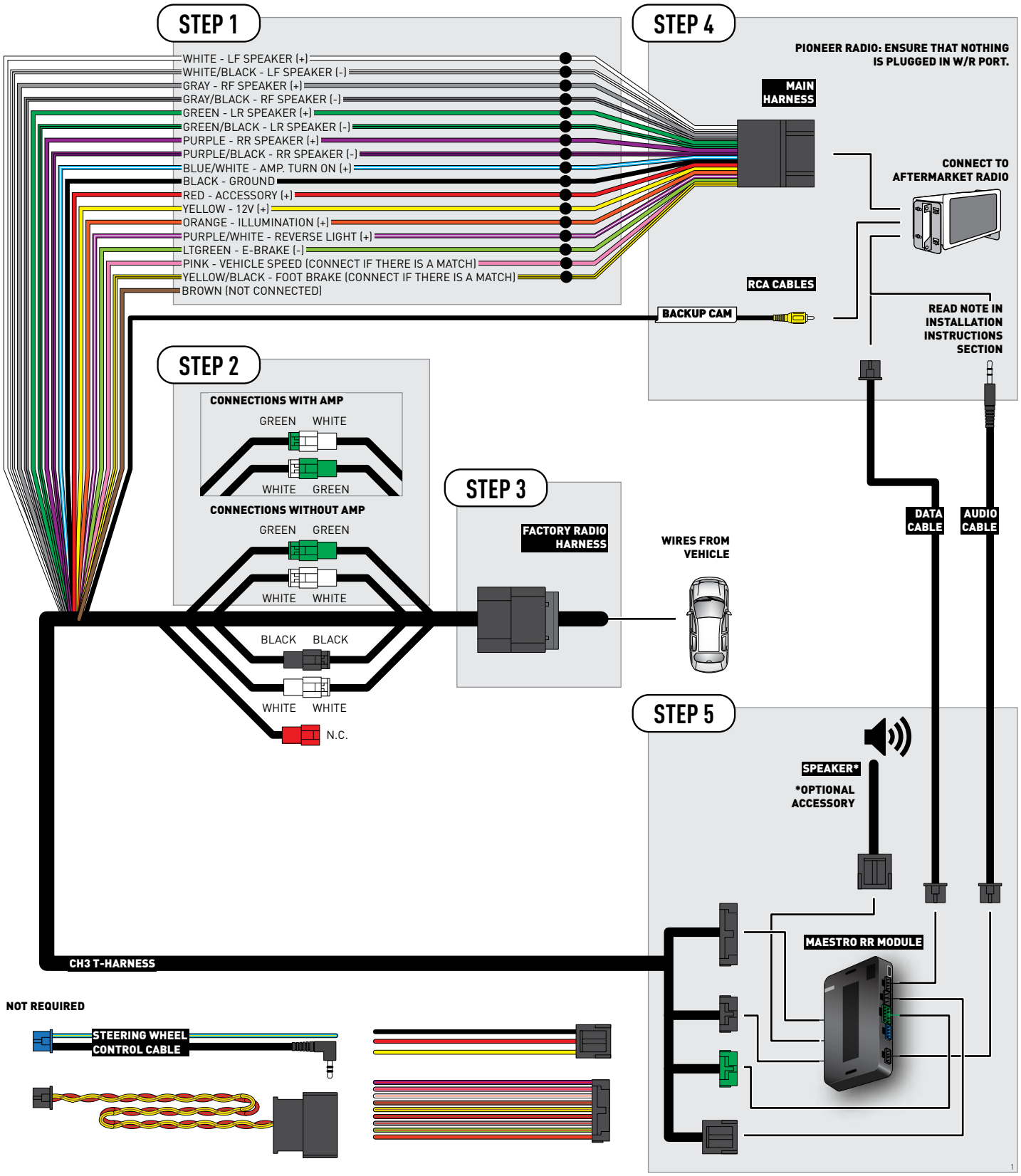
STEP 5

- Connect all the harnesses to the Maestro RR module then test your installation.
- If the vehicle is equipped with OEM parking assist, lane departure, or other safety systems, the ACC-SP1 is required: Plug the ACC-SP1 the Maestro RR.

  If you are not using this speaker, the radio will mute when the parking assist is active. If you are using this speaker, the parking assist chimes will play through the external speaker and the radio will not mute unless the settings are changed in the radio.

1

WIRING DIAGRAM



RADIO WIRE REFERENCE CHART

Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood 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
Foot Brake	(+)	Yellow/Black	Yellow/Black	N/A	N/A	N/A
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A

TROUBLESHOOTING TABLE

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure connector is securely attached at the CAN junction block. If you hardwired connections at the CAN junction block, double check them. Make sure the **YELLOW/BROWN** wire is connected to **YELLOW** wire of the CAN junction block and the **RED/BROWN** wire is connected to the other wire in the connector (the color varies). Do not use T-Taps. Soldering or military splicing methods are recommended. Reset the RR.
When making a phone call you cannot hear the callers but they can hear you.	Make sure that the 4-pin green and white connectors in the harness are plugged in correctly as stated in step 2.
The radio stays ON or the radio doesn't come ON at all.	Make sure the 2-pin colored connectors in the harness are connected correctly as stated in step 2.
The light on the Maestro is flashing **RED ONCE**.	There is no firmware on the module; flash the RR module.
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.

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

Web: maestro.idatalink.com/support add www.12voltdata.com/forum/

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

2018-2020
JEEP GRAND CHEROKEE

RETAINS STEERING WHEEL CONTROLS, VEHICLE SETTINGS, AND MORE!

PRODUCTS REQUIRED

iDatalink Maestro RR or RR2 Radio Replacement Interface
iDatalink Maestro CH3 Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-CHR03-DS

ADDITIONAL RESOURCES

Maestro RR2 Programmable Outputs Guide

OPTIONAL ACCESSORIES

K40 ELECTRONICS ESCORT

Click here for:
Radar Installation Guides

ACC-SP1

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

NEED HELP?

1 866 427-2999

maestro.support@idatalink.com

maestro.idatalink.com/support
www.12voltdata.com/forum

INSTALLATION INSTRUCTIONS

STEP 1

- Unbox the aftermarket radio and locate its main harness.
- Connect the wires shown on the next page from aftermarket radio main harness to the CH3 T-harness and match the wire functions.

STEP 2

- Determine if the vehicle has a factory amplifier. Look for badges on the radio, door panels and dash that indicate the presence of an amplifier (ex: Alpine).

If the vehicle DOES NOT have a factory amplifier:

- Plug the female GREEN connector to the male GREEN connector of your CH3 T-harness.
- Plug the female WHITE connector to the male WHITE connector of your CH3 T-harness.

If the vehicle DOES have a factory amplifier:

- Plug the female GREEN connector to the male WHITE connector of your CH3 T-harness.
- Plug the female WHITE connector to the male GREEN connector of your CH3 T-harness.

- Remove the factory radio.

STEP 3

- Connect the factory harness to the CH3 T-harness.

STEP 4

- If using a CH3 T-harness **VER_1.6 or earlier**, the OBDII connection will not provide the data necessary for this solution to function properly.
- Connect the black 2-pin connector from the OBDII cable to the CH3 T-harness. Cut and remove the OBDII connector from the cable.
- Connect Red/Brown wire to vehicle CANH and Yellow/Brown to vehicle CANL, located at CAN junction connector.

STEP 5

- Plug the aftermarket radio harnesses 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.

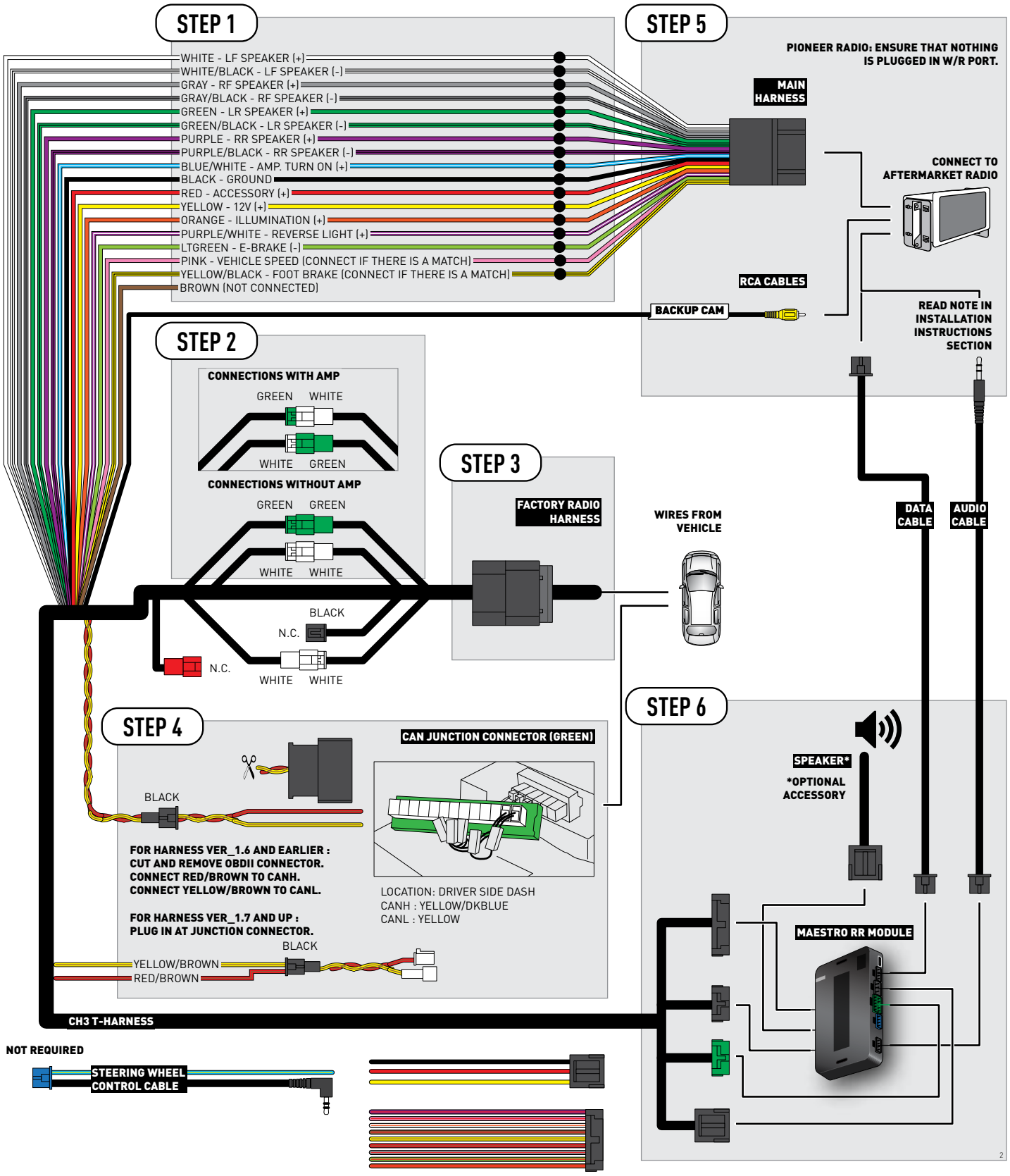
  If the vehicle is equipped with parking sensors AND using an Alpine radio: plug Audio cable in auxiliary input of the radio.

STEP 6

- Connect all the harnesses to the Maestro RR module then test your installation.
- If the vehicle is equipped with OEM parking assist, lane departure, or other safety systems, the ACC-SP1 is required: Plug the ACC-SP1 the Maestro RR.

  If you are not using this speaker, the radio will mute when the parking assist is active. If you are using this speaker, the parking assist chimes will play through the external speaker and the radio will not mute unless the settings are changed in the radio.

WIRING DIAGRAM



RADIO WIRE REFERENCE CHART

Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood 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
Foot Brake	(+)	Yellow/Black	Yellow/Black	N/A	N/A	N/A
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A

TROUBLESHOOTING TABLE

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure connector is securely attached at the CAN junction block. If you hardwired connections at the CAN junction block, double check them. Make sure the **YELLOW/BROWN** wire is connected to **YELLOW** wire of the CAN junction block and the **RED/BROWN** wire is connected to the other wire in the connector (the color varies). Do not use T-Taps. Soldering or military splicing methods are recommended. Reset the RR.
When making a phone call you cannot hear the callers but they can hear you.	Make sure that the 4-pin green and white connectors in the harness are plugged in correctly as stated in step 2.
The radio stays ON or the radio doesn't come ON at all.	Make sure the 2-pin colored connectors in the harness are connected correctly as stated in step 2.
The light on the Maestro is flashing **RED ONCE**.	There is no firmware on the module; flash the RR module.
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.

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

Web: maestro.idatalink.com/support add www.12voltdata.com/forum/

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

2018-2020
JEEP WRANGLER JL

RETAINS STEERING WHEEL CONTROLS, VEHICLE SETTINGS, AND MORE!

PRODUCTS REQUIRED

iDatalink Maestro RR or RR2 Radio Replacement Interface
iDatalink Maestro CH3 Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-CHR03-DS

ADDITIONAL RESOURCES

Maestro RR2 Programmable Outputs Guide

OPTIONAL ACCESSORIES

K40 ELECTRONICS ESCORT

ACC-SP1

Click here for:
Radar Installation Guides

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

NEED HELP?

1 866 427-2999

maestro.support@idatalink.com

maestro.idatalink.com/support
www.12voltdata.com/forum

INSTALLATION INSTRUCTIONS

Note: Currently, it is not possible to retain the OEM backup camera in this vehicle.

STEP 1

- Unbox the aftermarket radio and locate its main harness.
- Connect the wires shown on the next page from aftermarket radio main harness to the CH3 T-harness and match the wire functions.

STEP 2

- Determine if the vehicle has a factory amplifier. Look for badges on the radio, door panels and dash that indicate the presence of an amplifier (ex: Alpine).

If the vehicle DOES NOT have a factory amplifier:

- Plug the female GREEN connector to the male GREEN connector of your CH3 T-harness.
- Plug the female WHITE connector to the male WHITE connector of your CH3 T-harness.

If the vehicle DOES have a factory amplifier:

- Plug the female GREEN connector to the male WHITE connector of your CH3 T-harness.
- Plug the female WHITE connector to the male GREEN connector of your CH3 T-harness.

- Remove the factory radio.

STEP 3

- Connect the factory harness to the CH3 T-harness.

STEP 4

- If using a CH3 T-harness **VER_1.6 or earlier**, the OBDII connection will not provide the data necessary for this solution to function properly.
- Connect the black 2-pin connector from the OBDII cable to the CH3 T-harness. Cut and remove the OBDII connector from the cable.
- Connect Red/Brown wire to vehicle CANH and Yellow/Brown to vehicle CANL, located at CAN junction connector.

STEP 5

- Plug the aftermarket radio harnesses 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.

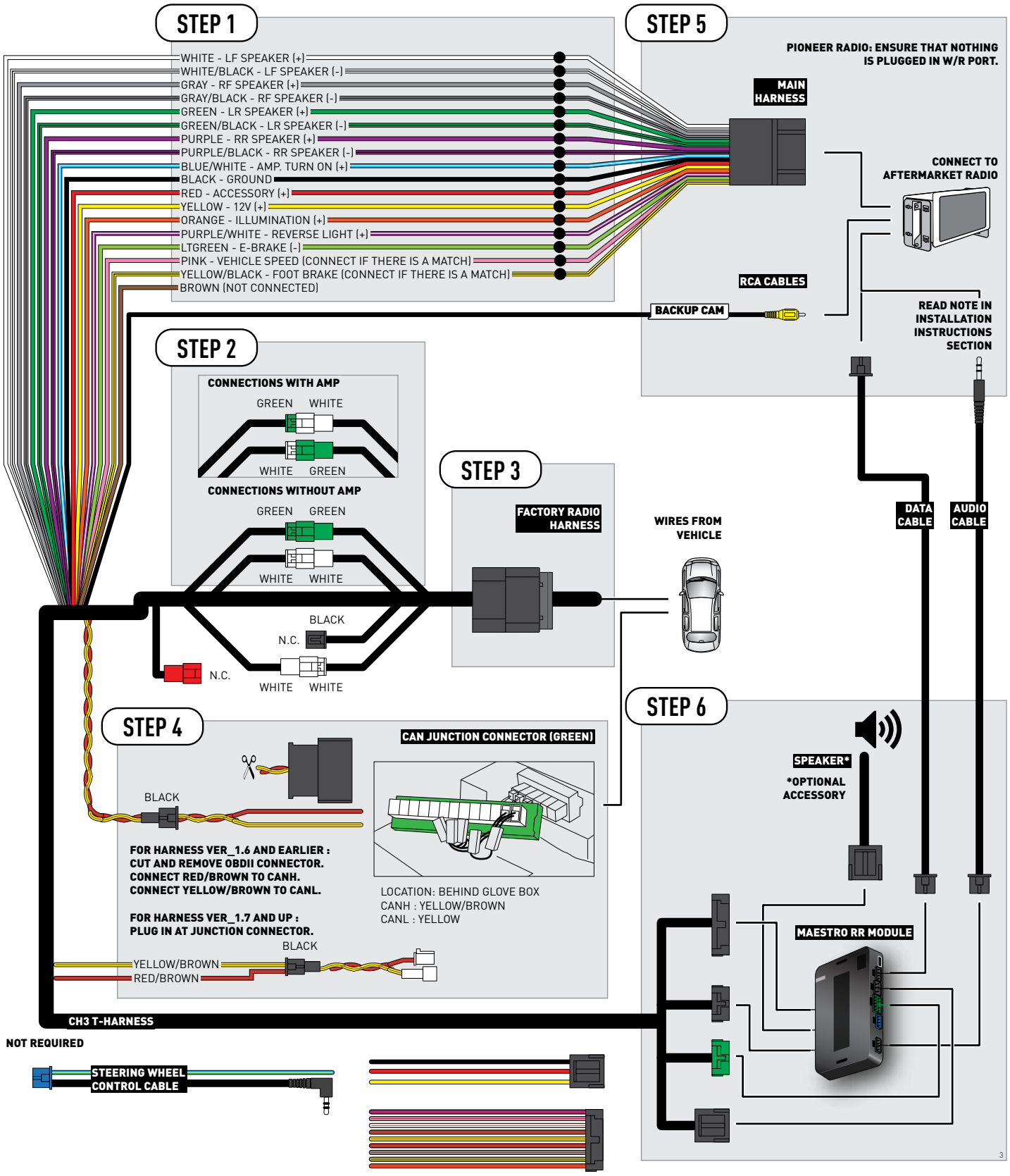
If the vehicle is equipped with parking sensors AND using an Alpine radio: plug Audio cable in auxiliary input of the radio.

STEP 6

- Connect all the harnesses to the Maestro RR module then test your installation.
- If the vehicle is equipped with OEM parking assist, lane departure, or other safety systems, the ACC-SP1 is required: Plug the ACC-SP1 the Maestro RR.

  If you are not using this speaker, the radio will mute when the parking assist is active. If you are using this speaker, the parking assist chimes will play through the external speaker and the radio will not mute unless the settings are changed in the radio.

WIRING DIAGRAM



RADIO WIRE REFERENCE CHART

Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood 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
Foot Brake	(+)	Yellow/Black	Yellow/Black	N/A	N/A	N/A
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A

TROUBLESHOOTING TABLE

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure connector is securely attached at the CAN junction block. If you hardwired connections at the CAN junction block, double check them. Make sure the **YELLOW/BROWN** wire is connected to **YELLOW** wire of the CAN junction block and the **RED/BROWN** wire is connected to the other wire in the connector (the color varies). Do not use T-Taps. Soldering or military splicing methods are recommended. Reset the RR.
When making a phone call you cannot hear the callers but they can hear you.	Make sure that the 4-pin green and white connectors in the harness are plugged in correctly as stated in step 2.
The radio stays ON or the radio doesn't come ON at all.	Make sure the 2-pin colored connectors in the harness are connected correctly as stated in step 2.
The light on the Maestro is flashing **RED ONCE**.	There is no firmware on the module; flash the RR module.
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.

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

Web: maestro.idatalink.com/support add www.12voltdata.com/forum/

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

2013-2017
RAM 1500

RETAINS STEERING WHEEL CONTROLS, VEHICLE SETTINGS, AND MORE!

PRODUCTS REQUIRED

iDatalink Maestro RR or RR2 Radio Replacement Interface
iDatalink Maestro CH3 Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-CHR03-DS

ADDITIONAL RESOURCES

Maestro RR2 Programmable Outputs Guide

OPTIONAL ACCESSORIES

K40 ELECTRONICS
ESCORT

ACC-SP1

Click here for:
Radar Installation Guides

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

NEED HELP?

1 866 427-2999

maestro.support@idatalink.com

maestro.idatalink.com/support
www.12voltdata.com/forum

INSTALLATION INSTRUCTIONS

STEP 1

- Unbox the aftermarket radio and locate its main harness.
- Connect the wires shown on the next page from aftermarket radio main harness to the CH3 T-harness and match the wire functions.

STEP 2

- Determine if the vehicle has a factory amplifier. Look for badges on the radio, door panels and dash that indicate the presence of an amplifier (ex: Alpine).

If the vehicle DOES NOT have a factory amplifier:

- Plug the female GREEN connector to the male GREEN connector of your CH3 T-harness.
- Plug the female WHITE connector to the male WHITE connector of your CH3 T-harness.

If the vehicle DOES have a factory amplifier:

- Plug the female GREEN connector to the male WHITE connector of your CH3 T-harness.
- Plug the female WHITE connector to the male GREEN connector of your CH3 T-harness.

- Remove the factory radio.

STEP 3

- Connect the factory harness to the CH3 T-harness.

STEP 4

- Plug the aftermarket radio harnesses 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.

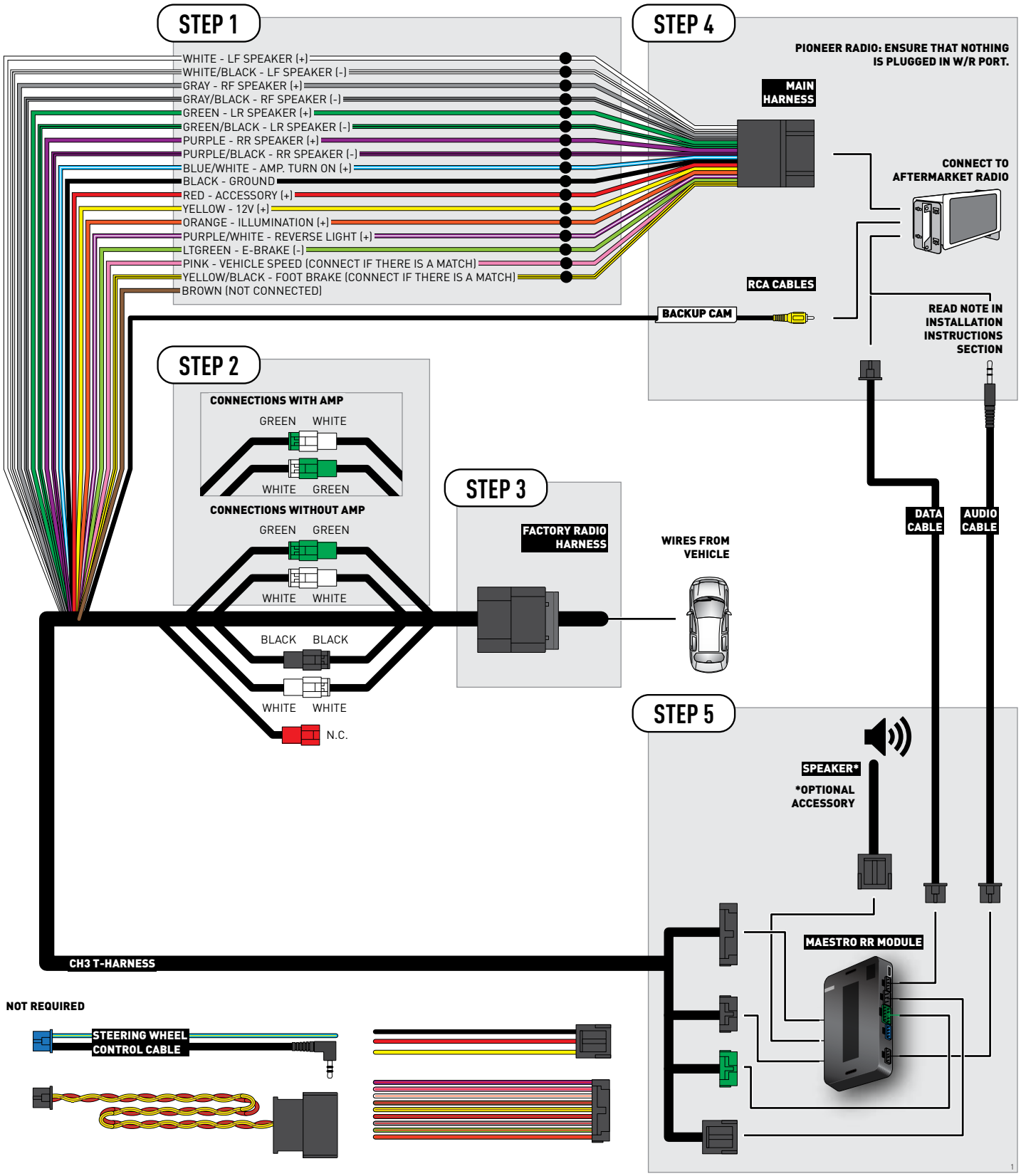
  If the vehicle is equipped with parking sensors AND using an Alpine radio: plug Audio cable in auxiliary input of the radio.

STEP 5

- Connect all the harnesses to the Maestro RR module then test your installation.
- If the vehicle is equipped with OEM parking assist, lane departure, or other safety systems, the ACC-SP1 is required: Plug the ACC-SP1 the Maestro RR.

  If you are not using this speaker, the radio will mute when the parking assist is active. If you are using this speaker, the parking assist chimes will play through the external speaker and the radio will not mute unless the settings are changed in the radio.

WIRING DIAGRAM



RADIO WIRE REFERENCE CHART

Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood 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
Foot Brake	(+)	Yellow/Black	Yellow/Black	N/A	N/A	N/A
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A

TROUBLESHOOTING TABLE

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure connector is securely attached at the CAN junction block. If you hardwired connections at the CAN junction block, double check them. Make sure the **YELLOW/BROWN** wire is connected to **YELLOW** wire of the CAN junction block and the **RED/BROWN** wire is connected to the other wire in the connector (the color varies). Do not use T-Taps. Soldering or military splicing methods are recommended. Reset the RR.
When making a phone call you cannot hear the callers but they can hear you.	Make sure that the 4-pin green and white connectors in the harness are plugged in correctly as stated in step 2.
The radio stays ON or the radio doesn't come ON at all.	Make sure the 2-pin colored connectors in the harness are connected correctly as stated in step 2.
The light on the Maestro is flashing **RED ONCE**.	There is no firmware on the module; flash the RR module.
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.

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

Web: maestro.idatalink.com/support add www.12voltdata.com/forum/

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

2018
RAM 1500

RETAINS STEERING WHEEL CONTROLS, VEHICLE SETTINGS, AND MORE!

PRODUCTS REQUIRED

iDatalink Maestro RR or RR2 Radio Replacement Interface
iDatalink Maestro CH3 Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-CHR03-DS

ADDITIONAL RESOURCES

Maestro RR2 Programmable Outputs Guide

OPTIONAL ACCESSORIES

K40 ELECTRONICS
ESCORT

Click here for:
Radar Installation Guides

ACC-SP1

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

NEED HELP?

1 866 427-2999

maestro.support@idatalink.com

maestro.idatalink.com/support
www.12voltdata.com/forum

INSTALLATION INSTRUCTIONS

STEP 1

- Unbox the aftermarket radio and locate its main harness.
- Connect the wires shown on the next page from aftermarket radio main harness to the CH3 T-harness and match the wire functions.

STEP 2

- Determine if the vehicle has a factory amplifier. Look for badges on the radio, door panels and dash that indicate the presence of an amplifier (ex: Alpine).

If the vehicle DOES NOT have a factory amplifier:

- Plug the female GREEN connector to the male GREEN connector of your CH3 T-harness.
- Plug the female WHITE connector to the male WHITE connector of your CH3 T-harness.

If the vehicle DOES have a factory amplifier:

- Plug the female GREEN connector to the male WHITE connector of your CH3 T-harness.
- Plug the female WHITE connector to the male GREEN connector of your CH3 T-harness.

- Remove the factory radio.

STEP 3

- Connect the factory harness to the CH3 T-harness.

STEP 4

- If using a CH3 T-harness **VER_1.6 or earlier**, the OBDII connection will not provide the data necessary for this solution to function properly.
- Connect the black 2-pin connector from the OBDII cable to the CH3 T-harness. Cut and remove the OBDII connector from the cable.
- Connect Red/Brown wire to vehicle CANH and Yellow/Brown to vehicle CANL, located at CAN junction connector.

STEP 5

- Plug the aftermarket radio harnesses 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.

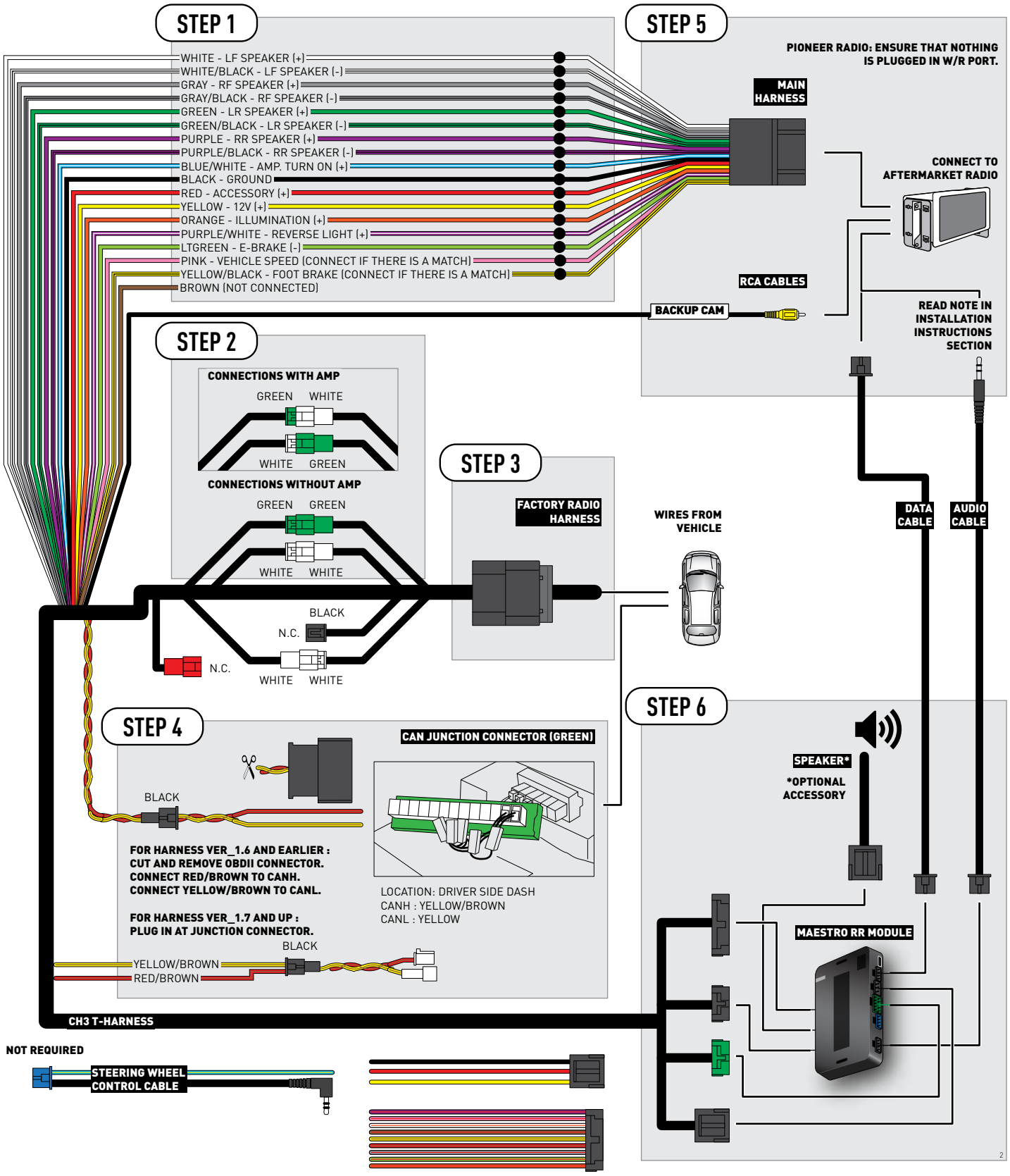
  If the vehicle is equipped with parking sensors AND using an Alpine radio: plug Audio cable in auxiliary input of the radio.

STEP 6

- Connect all the harnesses to the Maestro RR module then test your installation.
- If the vehicle is equipped with OEM parking assist, lane departure, or other safety systems, the ACC-SP1 is required: Plug the ACC-SP1 the Maestro RR.

  If you are not using this speaker, the radio will mute when the parking assist is active. If you are using this speaker, the parking assist chimes will play through the external speaker and the radio will not mute unless the settings are changed in the radio.

WIRING DIAGRAM



RADIO WIRE REFERENCE CHART

Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood 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
Foot Brake	(+)	Yellow/Black	Yellow/Black	N/A	N/A	N/A
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A

TROUBLESHOOTING TABLE

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure connector is securely attached at the CAN junction block. If you hardwired connections at the CAN junction block, double check them. Make sure the **YELLOW/BROWN** wire is connected to **YELLOW** wire of the CAN junction block and the **RED/BROWN** wire is connected to the other wire in the connector (the color varies). Do not use T-Taps. Soldering or military splicing methods are recommended. Reset the RR.
When making a phone call you cannot hear the callers but they can hear you.	Make sure that the 4-pin green and white connectors in the harness are plugged in correctly as stated in step 2.
The radio stays ON or the radio doesn't come ON at all.	Make sure the 2-pin colored connectors in the harness are connected correctly as stated in step 2.
The light on the Maestro is flashing **RED ONCE**.	There is no firmware on the module; flash the RR module.
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.

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

Web: maestro.idatalink.com/support add www.12voltdata.com/forum/

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

2019-2020
RAM 1500

RETAINS STEERING WHEEL CONTROLS, VEHICLE SETTINGS, AND MORE!

PRODUCTS REQUIRED

iDatalink Maestro RR or RR2 Radio Replacement Interface
iDatalink Maestro CH3 Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-CHR03-DS

ADDITIONAL RESOURCES

Maestro RR2 Programmable Outputs Guide

OPTIONAL ACCESSORIES

K40 ELECTRONICS
ESCORT

ACC-SP1

Click here for:
Radar Installation Guides

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

NEED HELP?

1 866 427-2999

maestro.support@idatalink.com

maestro.idatalink.com/support
www.12voltdata.com/forum

INSTALLATION INSTRUCTIONS

Note: Currently, it is not possible to retain the OEM backup camera in this vehicle.

STEP 1

- Unbox the aftermarket radio and locate its main harness.
- Connect the wires shown on the next page from aftermarket radio main harness to the CH3 T-harness and match the wire functions.

STEP 2

- Determine if the vehicle has a factory amplifier. Look for badges on the radio, door panels and dash that indicate the presence of an amplifier (ex: Alpine).

If the vehicle DOES NOT have a factory amplifier:

- Plug the female GREEN connector to the male GREEN connector of your CH3 T-harness.
- Plug the female WHITE connector to the male WHITE connector of your CH3 T-harness.

If the vehicle DOES have a factory amplifier:

- Plug the female GREEN connector to the male WHITE connector of your CH3 T-harness.
- Plug the female WHITE connector to the male GREEN connector of your CH3 T-harness.

- Remove the factory radio.

STEP 3

- Connect the factory harness to the CH3 T-harness.

STEP 4

- If using a CH3 T-harness **VER_1.6 or earlier**, the OBDII connection will not provide the data necessary for this solution to function properly.
- Connect the black 2-pin connector from the OBDII cable to the CH3 T-harness. Cut and remove the OBDII connector from the cable.
- Connect Red/Brown wire to vehicle CANH and Yellow/Brown to vehicle CANL, located at CAN junction connector.

STEP 5

- Plug the aftermarket radio harnesses 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.

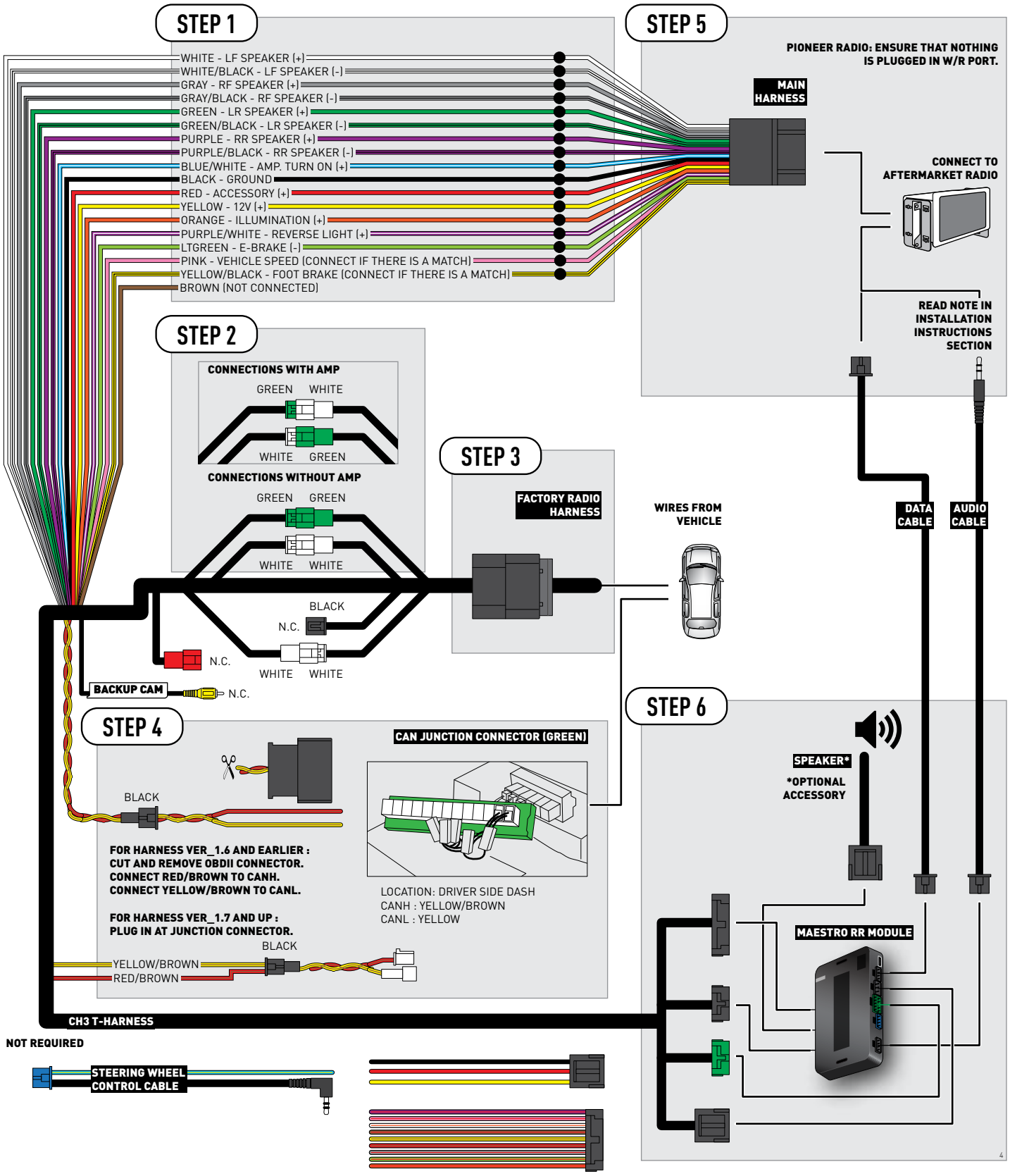
  If the vehicle is equipped with parking sensors AND using an Alpine radio: plug Audio cable in auxiliary input of the radio.

STEP 6

- Connect all the harnesses to the Maestro RR module then test your installation.
- If the vehicle is equipped with OEM parking assist, lane departure, or other safety systems, the ACC-SP1 is required: Plug the ACC-SP1 the Maestro RR.

  If you are not using this speaker, the radio will mute when the parking assist is active. If you are using this speaker, the parking assist chimes will play through the external speaker and the radio will not mute unless the settings are changed in the radio.

WIRING DIAGRAM



RADIO WIRE REFERENCE CHART

Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood 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
Foot Brake	(+)	Yellow/Black	Yellow/Black	N/A	N/A	N/A
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A

TROUBLESHOOTING TABLE

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure connector is securely attached at the CAN junction block. If you hardwired connections at the CAN junction block, double check them. Make sure the **YELLOW/BROWN** wire is connected to **YELLOW** wire of the CAN junction block and the **RED/BROWN** wire is connected to the other wire in the connector (the color varies). Do not use T-Taps. Soldering or military splicing methods are recommended. Reset the RR.
When making a phone call you cannot hear the callers but they can hear you.	Make sure that the 4-pin green and white connectors in the harness are plugged in correctly as stated in step 2.
The radio stays ON or the radio doesn't come ON at all.	Make sure the 2-pin colored connectors in the harness are connected correctly as stated in step 2.
The light on the Maestro is flashing **RED ONCE**.	There is no firmware on the module; flash the RR module.
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.

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

Web: maestro.idatalink.com/support add www.12voltdata.com/forum/

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

2013-2017
RAM 2500 & 3500

RETAINS STEERING WHEEL CONTROLS, VEHICLE SETTINGS, AND MORE!

PRODUCTS REQUIRED

iDatalink Maestro RR or RR2 Radio Replacement Interface
iDatalink Maestro CH3 Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-CHR03-DS

ADDITIONAL RESOURCES

Maestro RR2 Programmable Outputs Guide

OPTIONAL ACCESSORIES

K40 ELECTRONICS
ESCORT

ACC-SP1

Click here for:
Radar Installation Guides

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

NEED HELP?

1 866 427-2999

maestro.support@idatalink.com

maestro.idatalink.com/support
www.12voltdata.com/forum

INSTALLATION INSTRUCTIONS

STEP 1

- Unbox the aftermarket radio and locate its main harness.
- Connect the wires shown on the next page from aftermarket radio main harness to the CH3 T-harness and match the wire functions.

STEP 2

- Determine if the vehicle has a factory amplifier. Look for badges on the radio, door panels and dash that indicate the presence of an amplifier (ex: Alpine).

If the vehicle DOES NOT have a factory amplifier:

- Plug the female GREEN connector to the male GREEN connector of your CH3 T-harness.
- Plug the female WHITE connector to the male WHITE connector of your CH3 T-harness.

If the vehicle DOES have a factory amplifier:

- Plug the female GREEN connector to the male WHITE connector of your CH3 T-harness.
- Plug the female WHITE connector to the male GREEN connector of your CH3 T-harness.

- Remove the factory radio.

STEP 3

- Connect the factory harness to the CH3 T-harness.

STEP 4

- Plug the aftermarket radio harnesses 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.

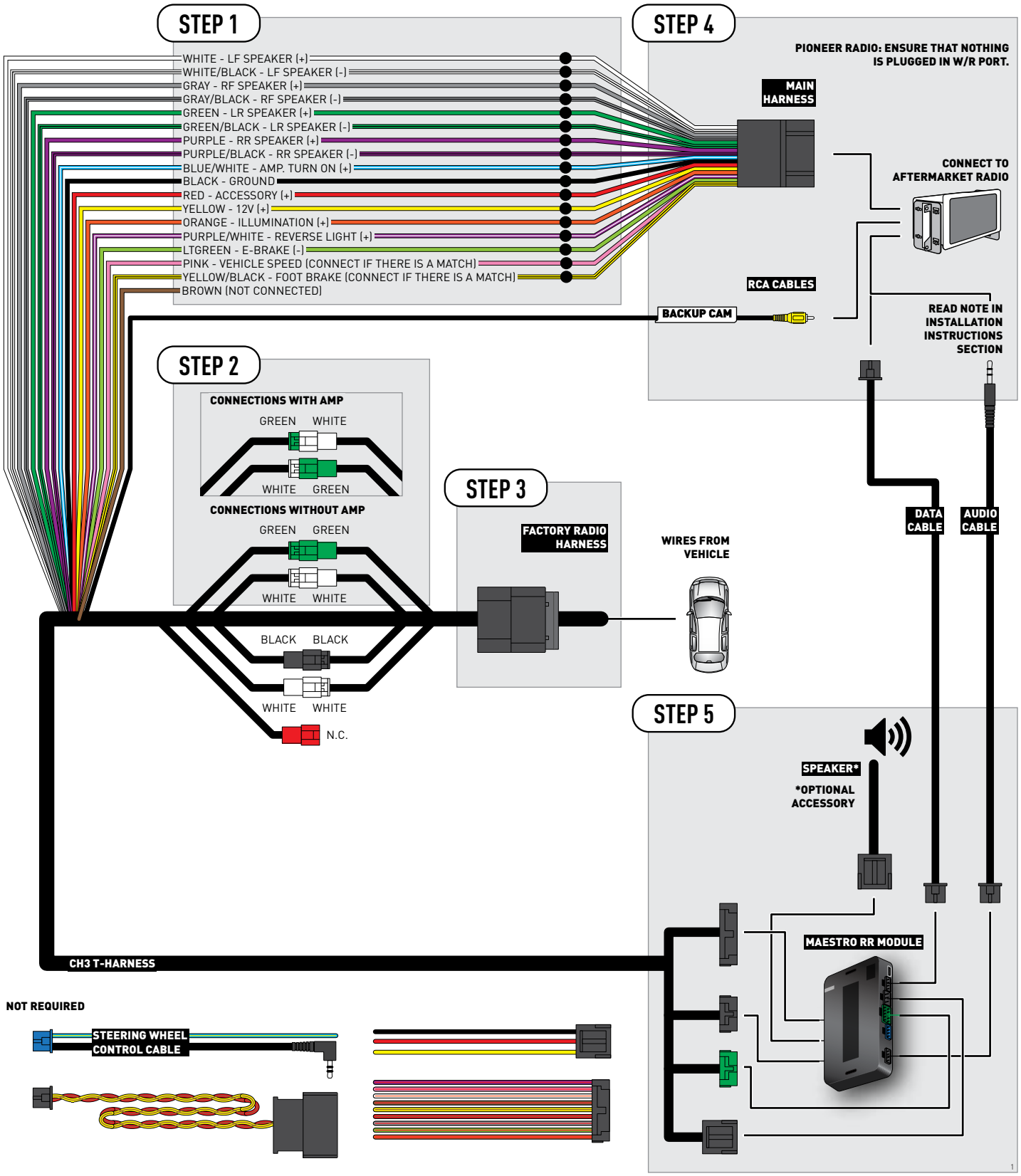
  If the vehicle is equipped with parking sensors AND using an Alpine radio: plug Audio cable in auxiliary input of the radio.

STEP 5

- Connect all the harnesses to the Maestro RR module then test your installation.
- If the vehicle is equipped with OEM parking assist, lane departure, or other safety systems, the ACC-SP1 is required: Plug the ACC-SP1 the Maestro RR.

  If you are not using this speaker, the radio will mute when the parking assist is active. If you are using this speaker, the parking assist chimes will play through the external speaker and the radio will not mute unless the settings are changed in the radio.

WIRING DIAGRAM



RADIO WIRE REFERENCE CHART

Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood 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
Foot Brake	(+)	Yellow/Black	Yellow/Black	N/A	N/A	N/A
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A

TROUBLESHOOTING TABLE

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure connector is securely attached at the CAN junction block. If you hardwired connections at the CAN junction block, double check them. Make sure the **YELLOW/BROWN** wire is connected to **YELLOW** wire of the CAN junction block and the **RED/BROWN** wire is connected to the other wire in the connector (the color varies). Do not use T-Taps. Soldering or military splicing methods are recommended. Reset the RR.
When making a phone call you cannot hear the callers but they can hear you.	Make sure that the 4-pin green and white connectors in the harness are plugged in correctly as stated in step 2.
The radio stays ON or the radio doesn't come ON at all.	Make sure the 2-pin colored connectors in the harness are connected correctly as stated in step 2.
The light on the Maestro is flashing **RED ONCE**.	There is no firmware on the module; flash the RR module.
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.

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

Web: maestro.idatalink.com/support add www.12voltdata.com/forum/

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

2018-2020
RAM 2500 & 3500

RETAINS STEERING WHEEL CONTROLS, VEHICLE SETTINGS, AND MORE!

PRODUCTS REQUIRED

iDatalink Maestro RR or RR2 Radio Replacement Interface
iDatalink Maestro CH3 Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-CHR03-DS

ADDITIONAL RESOURCES

Maestro RR2 Programmable Outputs Guide

OPTIONAL ACCESSORIES

K40 ELECTRONICS
ESCORT

ACC-SP1

Click here for:
Radar Installation Guides

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

NEED HELP?

1 866 427-2999

maestro.support@idatalink.com

maestro.idatalink.com/support
www.12voltdata.com/forum

INSTALLATION INSTRUCTIONS

STEP 1

- Unbox the aftermarket radio and locate its main harness.
- Connect the wires shown on the next page from aftermarket radio main harness to the CH3 T-harness and match the wire functions.

STEP 2

- Determine if the vehicle has a factory amplifier. Look for badges on the radio, door panels and dash that indicate the presence of an amplifier (ex: Alpine).

If the vehicle DOES NOT have a factory amplifier:

- Plug the female GREEN connector to the male GREEN connector of your CH3 T-harness.
- Plug the female WHITE connector to the male WHITE connector of your CH3 T-harness.

If the vehicle DOES have a factory amplifier:

- Plug the female GREEN connector to the male WHITE connector of your CH3 T-harness.
- Plug the female WHITE connector to the male GREEN connector of your CH3 T-harness.

- Remove the factory radio.

STEP 3

- Connect the factory harness to the CH3 T-harness.

STEP 4

- If using a CH3 T-harness **VER_1.6 or earlier**, the OBDII connection will not provide the data necessary for this solution to function properly.
- Connect the black 2-pin connector from the OBDII cable to the CH3 T-harness. Cut and remove the OBDII connector from the cable.
- Connect Red/Brown wire to vehicle CANH and Yellow/Brown to vehicle CANL, located at CAN junction connector.

STEP 5

- Plug the aftermarket radio harnesses 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.

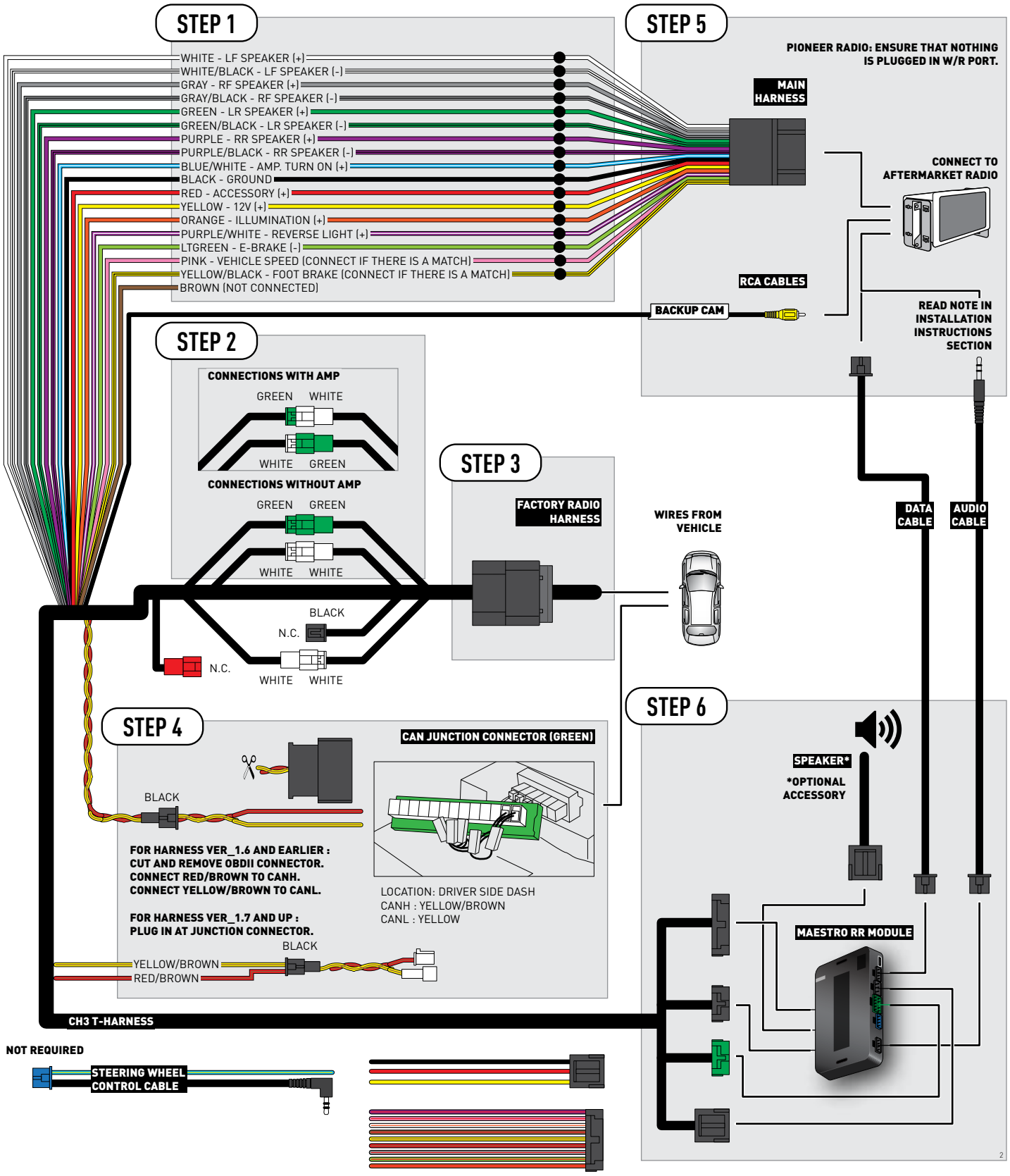
  If the vehicle is equipped with parking sensors AND using an Alpine radio: plug Audio cable in auxiliary input of the radio.

STEP 6

- Connect all the harnesses to the Maestro RR module then test your installation.
- If the vehicle is equipped with OEM parking assist, lane departure, or other safety systems, the ACC-SP1 is required: Plug the ACC-SP1 the Maestro RR.

  If you are not using this speaker, the radio will mute when the parking assist is active. If you are using this speaker, the parking assist chimes will play through the external speaker and the radio will not mute unless the settings are changed in the radio.

WIRING DIAGRAM



RADIO WIRE REFERENCE CHART

Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood 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
Foot Brake	(+)	Yellow/Black	Yellow/Black	N/A	N/A	N/A
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A

TROUBLESHOOTING TABLE

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure connector is securely attached at the CAN junction block. If you hardwired connections at the CAN junction block, double check them. Make sure the **YELLOW/BROWN** wire is connected to **YELLOW** wire of the CAN junction block and the **RED/BROWN** wire is connected to the other wire in the connector (the color varies). Do not use T-Taps. Soldering or military splicing methods are recommended. Reset the RR.
When making a phone call you cannot hear the callers but they can hear you.	Make sure that the 4-pin green and white connectors in the harness are plugged in correctly as stated in step 2.
The radio stays ON or the radio doesn't come ON at all.	Make sure the 2-pin colored connectors in the harness are connected correctly as stated in step 2.
The light on the Maestro is flashing **RED ONCE**.	There is no firmware on the module; flash the RR module.
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.

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

Web: maestro.idatalink.com/support add www.12voltdata.com/forum/

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

2013-2017
RAM CHASSIS CAB

RETAINS STEERING WHEEL CONTROLS, VEHICLE SETTINGS, AND MORE!

PRODUCTS REQUIRED

iDatalink Maestro RR or RR2 Radio Replacement Interface
iDatalink Maestro CH3 Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-CHR03-DS

ADDITIONAL RESOURCES

Maestro RR2 Programmable Outputs Guide

OPTIONAL ACCESSORIES

K40 ELECTRONICS
ESCORT

Click here for:
Radar Installation Guides

ACC-SP1

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

NEED HELP?

1 866 427-2999

maestro.support@idatalink.com

maestro.idatalink.com/support
www.12voltdata.com/forum

INSTALLATION INSTRUCTIONS

STEP 1

- Unbox the aftermarket radio and locate its main harness.
- Connect the wires shown on the next page from aftermarket radio main harness to the CH3 T-harness and match the wire functions.

STEP 2

- Determine if the vehicle has a factory amplifier. Look for badges on the radio, door panels and dash that indicate the presence of an amplifier (ex: Alpine).

If the vehicle DOES NOT have a factory amplifier:

- Plug the female GREEN connector to the male GREEN connector of your CH3 T-harness.
- Plug the female WHITE connector to the male WHITE connector of your CH3 T-harness.

If the vehicle DOES have a factory amplifier:

- Plug the female GREEN connector to the male WHITE connector of your CH3 T-harness.
- Plug the female WHITE connector to the male GREEN connector of your CH3 T-harness.

- Remove the factory radio.

STEP 3

- Connect the factory harness to the CH3 T-harness.

STEP 4

- Plug the aftermarket radio harnesses 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.

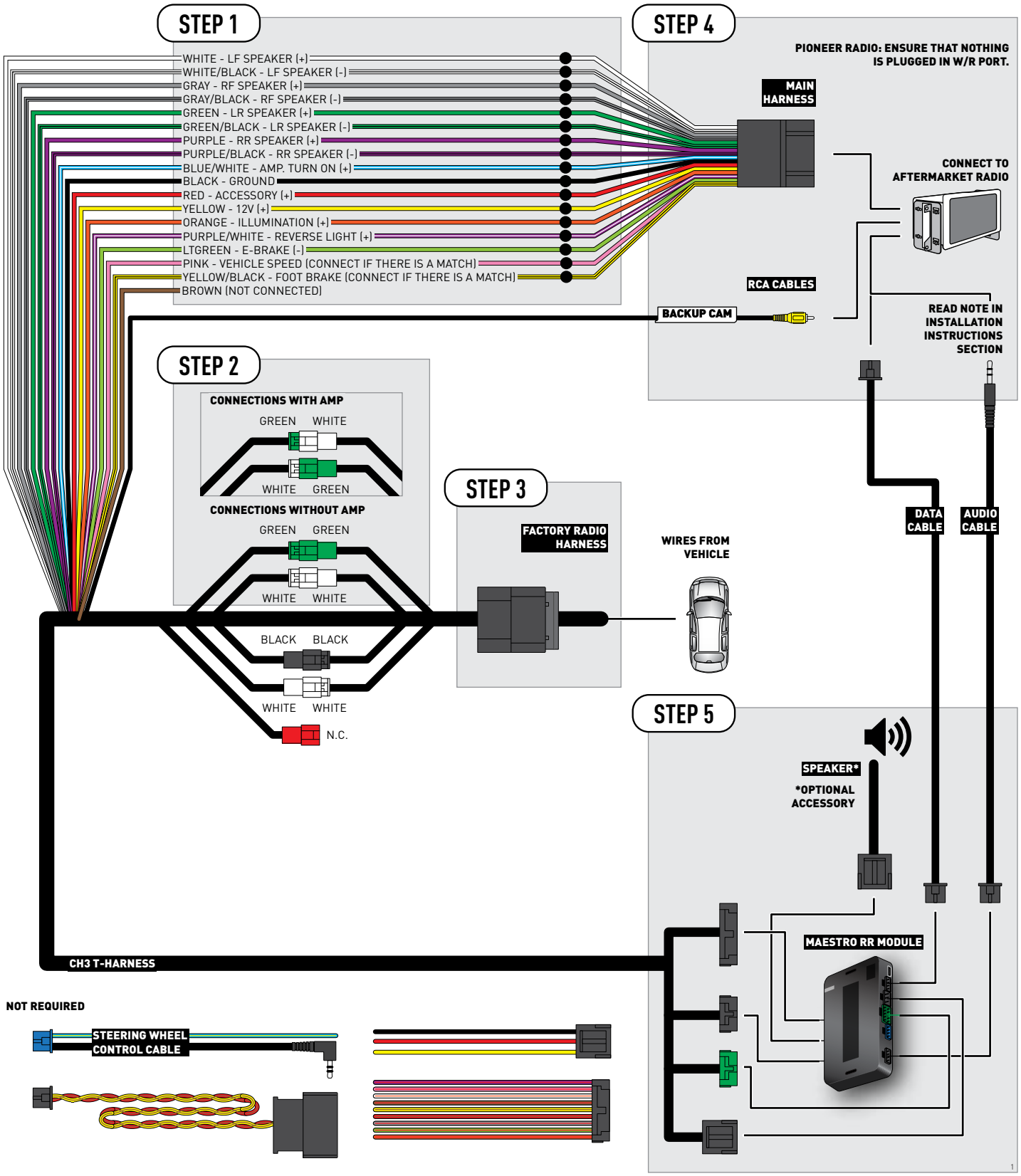
  If the vehicle is equipped with parking sensors AND using an Alpine radio: plug Audio cable in auxiliary input of the radio.

STEP 5

- Connect all the harnesses to the Maestro RR module then test your installation.
- If the vehicle is equipped with OEM parking assist, lane departure, or other safety systems, the ACC-SP1 is required: Plug the ACC-SP1 the Maestro RR.

  If you are not using this speaker, the radio will mute when the parking assist is active. If you are using this speaker, the parking assist chimes will play through the external speaker and the radio will not mute unless the settings are changed in the radio.

WIRING DIAGRAM



RADIO WIRE REFERENCE CHART

Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood 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
Foot Brake	(+)	Yellow/Black	Yellow/Black	N/A	N/A	N/A
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A

TROUBLESHOOTING TABLE

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure connector is securely attached at the CAN junction block. If you hardwired connections at the CAN junction block, double check them. Make sure the **YELLOW/BROWN** wire is connected to **YELLOW** wire of the CAN junction block and the **RED/BROWN** wire is connected to the other wire in the connector (the color varies). Do not use T-Taps. Soldering or military splicing methods are recommended. Reset the RR.
When making a phone call you cannot hear the callers but they can hear you.	Make sure that the 4-pin green and white connectors in the harness are plugged in correctly as stated in step 2.
The radio stays ON or the radio doesn't come ON at all.	Make sure the 2-pin colored connectors in the harness are connected correctly as stated in step 2.
The light on the Maestro is flashing **RED ONCE**.	There is no firmware on the module; flash the RR module.
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.

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

Web: maestro.idatalink.com/support add www.12voltdata.com/forum/

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

2018-2020
RAM CHASSIS CAB

RETAINS STEERING WHEEL CONTROLS, VEHICLE SETTINGS, AND MORE!

PRODUCTS REQUIRED

iDatalink Maestro RR or RR2 Radio Replacement Interface
iDatalink Maestro CH3 Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-CHR03-DS

ADDITIONAL RESOURCES

Maestro RR2 Programmable Outputs Guide

OPTIONAL ACCESSORIES

K40 ELECTRONICS
ESCORT

Click here for:
Radar Installation Guides

ACC-SP1

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

NEED HELP?

1 866 427-2999

maestro.support@idatalink.com

maestro.idatalink.com/support
www.12voltdata.com/forum

INSTALLATION INSTRUCTIONS

STEP 1

- Unbox the aftermarket radio and locate its main harness.
- Connect the wires shown on the next page from aftermarket radio main harness to the CH3 T-harness and match the wire functions.

STEP 2

- Determine if the vehicle has a factory amplifier. Look for badges on the radio, door panels and dash that indicate the presence of an amplifier (ex: Alpine).

If the vehicle DOES NOT have a factory amplifier:

- Plug the female GREEN connector to the male GREEN connector of your CH3 T-harness.
- Plug the female WHITE connector to the male WHITE connector of your CH3 T-harness.

If the vehicle DOES have a factory amplifier:

- Plug the female GREEN connector to the male WHITE connector of your CH3 T-harness.
- Plug the female WHITE connector to the male GREEN connector of your CH3 T-harness.

- Remove the factory radio.

STEP 3

- Connect the factory harness to the CH3 T-harness.

STEP 4

- If using a CH3 T-harness **VER_1.6 or earlier**, the OBDII connection will not provide the data necessary for this solution to function properly.
- Connect the black 2-pin connector from the OBDII cable to the CH3 T-harness. Cut and remove the OBDII connector from the cable.
- Connect Red/Brown wire to vehicle CANH and Yellow/Brown to vehicle CANL, located at CAN junction connector.

STEP 5

- Plug the aftermarket radio harnesses 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.

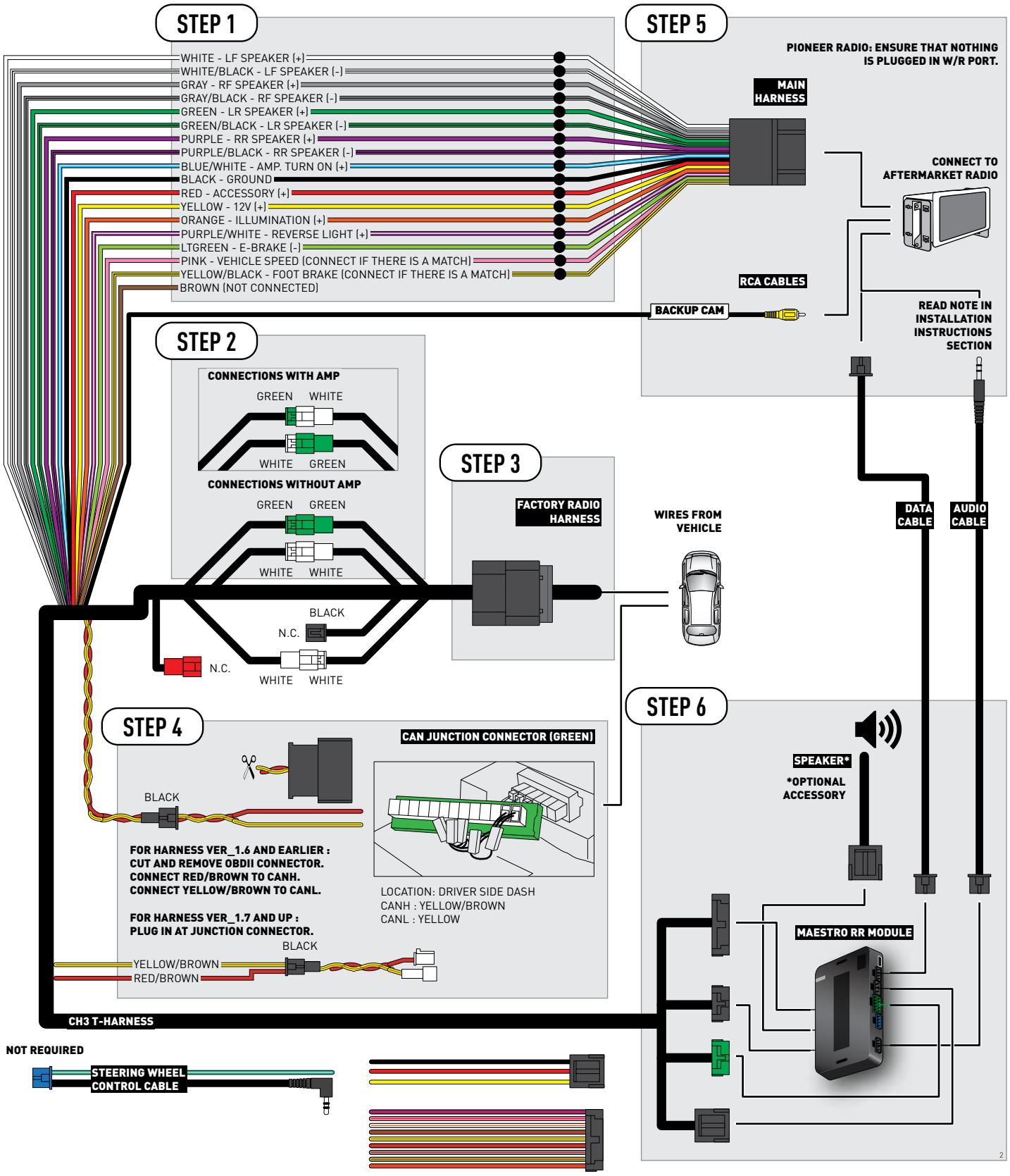
  If the vehicle is equipped with parking sensors AND using an Alpine radio: plug Audio cable in auxiliary input of the radio.

STEP 6

- Connect all the harnesses to the Maestro RR module then test your installation.
- If the vehicle is equipped with OEM parking assist, lane departure, or other safety systems, the ACC-SP1 is required: Plug the ACC-SP1 the Maestro RR.

  If you are not using this speaker, the radio will mute when the parking assist is active. If you are using this speaker, the parking assist chimes will play through the external speaker and the radio will not mute unless the settings are changed in the radio.

WIRING DIAGRAM



RADIO WIRE REFERENCE CHART

Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood 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
Foot Brake	(+)	Yellow/Black	Yellow/Black	N/A	N/A	N/A
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A

TROUBLESHOOTING TABLE

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure connector is securely attached at the CAN junction block. If you hardwired connections at the CAN junction block, double check them. Make sure the **YELLOW/BROWN** wire is connected to **YELLOW** wire of the CAN junction block and the **RED/BROWN** wire is connected to the other wire in the connector (the color varies). Do not use T-Taps. Soldering or military splicing methods are recommended. Reset the RR.
When making a phone call you cannot hear the callers but they can hear you.	Make sure that the 4-pin green and white connectors in the harness are plugged in correctly as stated in step 2.
The radio stays ON or the radio doesn't come ON at all.	Make sure the 2-pin colored connectors in the harness are connected correctly as stated in step 2.
The light on the Maestro is flashing **RED ONCE**.	There is no firmware on the module; flash the RR module.
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.

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

Web: maestro.idatalink.com/support add www.12voltdata.com/forum/

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.