



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 SR 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.

RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER AND MORE!



+



**HEAD UNIT
ADAPTER READY**

PRODUCTS REQUIRED

iDataLink Maestro SR Radio Replacement Interface
iDataLink Maestro SR-CH1 Installation Harness

PROGRAMMED FIRMWARE: CH1-SR-AS


WELCOME

Congratulations on the purchase of your iDatalink Maestro SR 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 SR will only retain functionalities that were originally available in the vehicle.

NEED HELP?

 1 866 427-2999

 maestro.support@idatalink.com

ADDITIONAL INFORMATION AND ACCESSORIES

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

AVCH1
(A/V adapter for backup camera retention)

Installation, product information, vehicle specific videos.

[VIDEO HELP](#)



Last flash information, steering control configuration, vehicle information.

[VERIFY FLASH](#)



Software to program module.

[WEBLINK](#)



INSTALLATION INSTRUCTIONS P1/1

BEFORE INSTALLING

- Remove the factory radio.
- Access the main 22 pin factory radio connector **(2.1)** and determine if you have a factory amplifier.

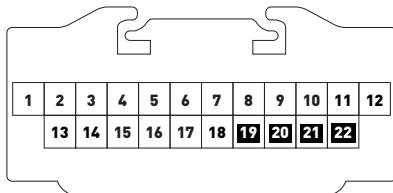


Fig. 2.1

If you don't have wires in PIN 19, 20, 21 and 22, you have a factory amplifier.

If you have wires in PIN 19, 20, 21 and 22, you don't have a factory amplifier

STEP 1

If using head unit adapter (sold separately), connect SR-CH1 harness to adapter and skip to step 2.

- Unbox the aftermarket radio and locate its main harness.
- Cut and remove the black 20 pin connector from the SR-CH1 T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the SR-CH1 T-harness and match the wire functions.

Note: Purple/white is a low current positive output used to trigger the radio only. Do NOT connect to anything other than the radio's reverse input. Refer to radio wire chart for radio's reverse light wire color.

If no camera is installed/desired, do not connect the radio's reverse wire. If installing an aftermarket camera, do NOT connect power for the camera to the Maestro's purple/white wire or module damage will occur.

STEP 2

- Plug the harnesses into the aftermarket radio.
- Connect the steering wheel control cable to the aftermarket radio. Connect either the blue/yellow wire (Kenwood/JVC or radios with SWI/KEY wires) or the 3.5mm to the steering control input of the radio (see Radio Wire Reference Chart for more details).

STEP 3

Without factory AMP:

(HRN-SR-CH1 v1.10) : Plug 4-pin connectors of sCH1 harness, WHITE to WHITE and GREEN to GREEN. Do not use crossover câbles.

(HRN-SR-CH1 v1.0 only):

- Modify WHITE crossover cable as shown in the diagram (cut and flip White and White/Black wires).
- Plug male side of each 4-pin SR-CH1 connector to crossover cable, matching color (see wiring diagram).
- Plug the female 4-pin GREEN sCH1 connector to the male GREEN connector of crossover cable.
- Plug the female 4-pin WHITE sCH1 connector to the male WHITE connector of crossover cable.

With factory AMP:

(HRN-SR-CH1 v1.10) : Plug 4-pin connectors of sCH1 harness, GREEN to WHITE and WHITE to GREEN. Do not use crossover câbles.

(HRN-SR-CH1 v1.0 only):

- Modify WHITE crossover cable as shown in the diagram (cut and flip White and White/Black wires).
- Plug male side of each 4-pin SR-CH1 connector to crossover cable, matching color (see wiring diagram).
- Plug the female 4-pin GREEN sCH1 connector to the male WHITE connector of crossover cable.
- Plug the female 4-pin WHITE sCH1 connector to the male GREEN connector of crossover cable.

STEP 4

- Connect the factory radio harness to the SR-CH1 T-harness.

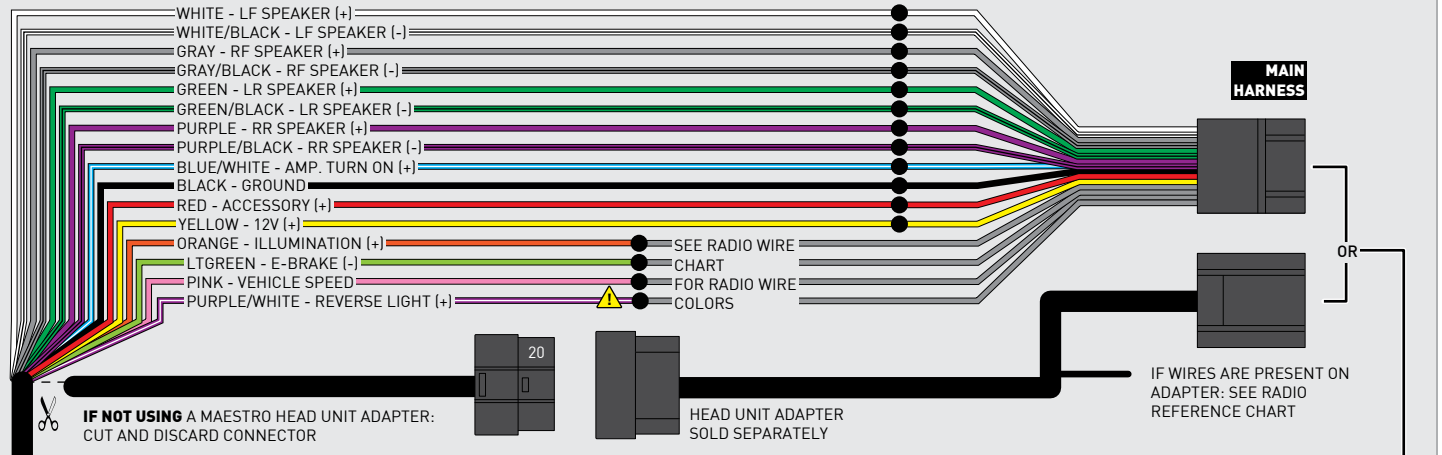
STEP 5

- Connect the SR-CH1 harness to the Maestro SR module.
- Connect the steering wheel control cable.

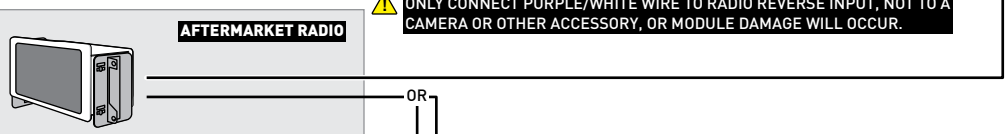
Test your installation.

WIRING DIAGRAM

STEP 1



STEP 2

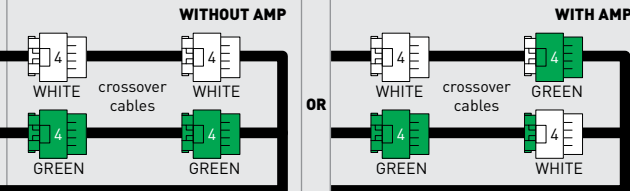


STEP 3

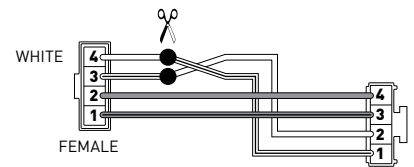
sCH1 HARNESS v1.10 + : PLUG WITHOUT USING CROSSOVER CABLES.

sCH1 HARNESS v1.00 ONLY

- 1- MODIFY WHITE CROSSOVER CABLE AS INDICATED TO THE RIGHT.
- 2- CONNECT CROSSOVER CABLES AS SHOWN BELOW.



sCH1 v1.00 ONLY : WHITE CROSSOVER CABLE MODIFICATION CUT + FLIP WHITE AND WHITE/BLACK WIRES.

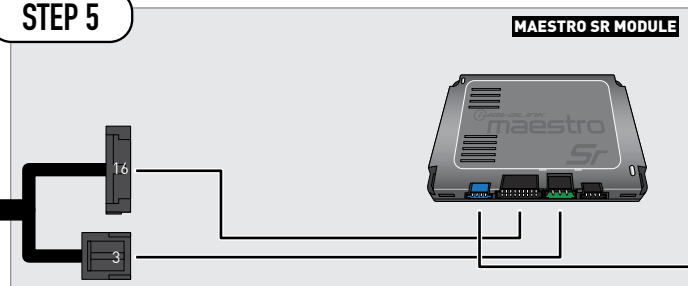


STEP 4



POC1 - User configurable output - set up during module programming if desired.
 POC2 - Low current negative (-350mA) polarity output used to trigger a relay.

STEP 5



NOT REQUIRED



RADIO WIRE REFERENCE CHART

CH1 T-harness Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/JVC cable	Wire Color on Pioneer cable	Wire Color on Sony cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light*	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A

* Reverse light wire: Only connect to radio or module damage will occur.
Other brands, refer to aftermarket radio guide. Some radios may not be equipped with all wires listed.

Description	Polarity	Maestro Steering Wheel Control wire	Radio with Steering Wheel Control Port	*Alpine Radio With SWI1, SWI2, Ground Wires	JVC or Kenwood	*Other Radio Brands With SWI1, SWI2, Ground Wires OR Key1, Key2, Ground Wires
Maestro Steering Wheel Control Cable	(DATA)	3.5mm Jack	3.5mm SWC Input Port	Not Connected (secure the jack)	Not Connected (secure the jack)	Not Connected (secure the jack)
	(DATA)	Blue/Yellow Wire	Not Connected	SWI1 Input	Blue/Yellow Wire	SWI1 Input or Key1 Input

*Manually learn the buttons to the radio in the radio steering wheel control menu.

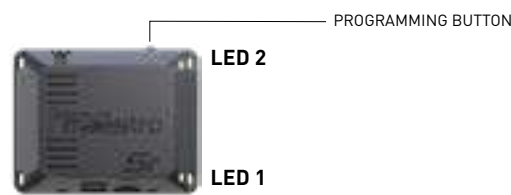
Head unit adapter wiring (optional accessory, sold separately)

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

ACC-HU-KEN1 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
CAM	(+)	Green/Red	Refer to camera/radio manual
CAM	(-)	Green/White	Refer to camera/radio manual
Steering Wheel Controls	(DATA)	Blue/Yellow	Blue/Yellow

ACC-HU-KEN2 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
E-Brake	(-)	LtGreen	LtGreen
Reverse Light*	(+)	Purple/White	Purple/White
Steering Wheel Controls	(DATA)	Blue/Yellow	Blue/Yellow

MODULE DIAGNOSTICS



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

TROUBLESHOOTING TABLE

PROBLEM	SOLUTION
Steering wheel controls do not work but LED on the Maestro does blink when steering wheel buttons are pressed.	<p>Verify the buttons are set up in the flash. If any button is set to "none" for "press once", it will do nothing. "Hold" column can be left as none and the "press once" function will operate with one press and when holding the button.</p> <p>Ensure the blue 4-pin steering wheel control cable is connected between the Maestro and the radio. The radio will use either the 3.5mm jack OR the blue/yellow wire, not both.</p> <p>Connect the 3.5mm jack from the Maestro blue 4-pin cable to the radio's 3.5mm port (labeled steering, remote, or wheel). If no such port exists, wire the blue/yellow to blue/yellow (Kenwood/JVC) or to the radio's Key 1 wire (brands not listed/other) and secure the 3.5mm jack. It will not be used.</p> <p>Refer to radio's owner's manual to verify if the radio has this function: Alpine models with button learning (SW11/2/GND wires on back of radio): Connect blue/yellow wire from the blue 4-pin to the radio's SW11 input. Manually learn the buttons to the radio in the radio steering wheel control menus. JVC/Kenwood - Steering Wheel Control (ON/OFF): choose ON Nakamichi - if model is listed, ensure PAC mode is on. If "other", learn the buttons in the radio steering wheel menu. Sony - Steering Wheel Control (Custom/Preset): choose Preset. If phone buttons do not operate properly, flash the module as Pioneer - 2009 and newer with BT. Then select "custom" instead of "preset" and learn the buttons in the radio menu. Other brands - radio should have a steering wheel menu to learn the buttons. You may have to select type A/B/C/1/2/3 and try learning again if buttons are not saving. Refer to radio manufacturer's tech support for further advice if not learning properly.</p>
The radio doesn't turn on. LED on the Maestro is not flashing.	<p>Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.</p> <p>If installing a modular radio and it is not turning on, ensure the screen is secured and any trim pieces on the radio have been installed fully.</p>
When making a phone call you cannot hear the call, but the caller can hear you.	Switch the 4-pin green and white connectors in the t-harness.
No sound.	Ensure blue/white wire from harness is connected to radio's amp turn on output. This is usually blue/white but varies by radio manufacturer. Verify speaker wire connections and 4 pin connectors (green and white).

MAESTRO SR RESET PROCEDURE:

Turn the key to the OFF position, then disconnect all connectors from the module.

Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).

Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds to show the reset was successful.

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

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

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ADAPTER READY**

PRODUCTS REQUIRED

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iDataLink Maestro SR-CH1 Installation Harness

PROGRAMMED FIRMWARE: CH1-SR-AS

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(A/V adapter for backup camera retention)

Installation, product information, vehicle specific videos.

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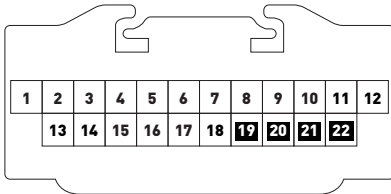


Fig. 2.1

If you don't have wires in PIN 19, 20, 21 and 22, you have a factory amplifier.

If you have wires in PIN 19, 20, 21 and 22, you don't have a factory amplifier

STEP 1

If using head unit adapter (sold separately), connect SR-CH1 harness to adapter and skip to step 2.

- Unbox the aftermarket radio and locate its main harness.
- Cut and remove the black 20 pin connector from the SR-CH1 T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the SR-CH1 T-harness and match the wire functions.

Note: Purple/white is a low current positive output used to trigger the radio only. Do NOT connect to anything other than the radio's reverse input. Refer to radio wire chart for radio's reverse light wire color.

If no camera is installed/desired, do not connect the radio's reverse wire. If installing an aftermarket camera, do NOT connect power for the camera to the Maestro's purple/white wire or module damage will occur.

STEP 2

- Plug the harnesses into the aftermarket radio.
- Connect the steering wheel control cable to the aftermarket radio. Connect either the blue/yellow wire (Kenwood/JVC or radios with SWI/KEY wires) or the 3.5mm to the steering control input of the radio (see Radio Wire Reference Chart for more details).

STEP 3

Without factory AMP:

(HRN-SR-CH1 v1.10) : Plug 4-pin connectors of sCH1 harness, WHITE to WHITE and GREEN to GREEN. Do not use crossover câbles.

(HRN-SR-CH1 v1.0 only):

- Modify WHITE crossover cable as shown in the diagram (cut and flip White and White/Black wires).
- Plug male side of each 4-pin SR-CH1 connector to crossover cable, matching color (see wiring diagram).
- Plug the female 4-pin GREEN sCH1 connector to the male GREEN connector of crossover cable.
- Plug the female 4-pin WHITE sCH1 connector to the male WHITE connector of crossover cable.

With factory AMP:

(HRN-SR-CH1 v1.10) : Plug 4-pin connectors of sCH1 harness, GREEN to WHITE and WHITE to GREEN. Do not use crossover câbles.

(HRN-SR-CH1 v1.0 only):

- Modify WHITE crossover cable as shown in the diagram (cut and flip White and White/Black wires).
- Plug male side of each 4-pin SR-CH1 connector to crossover cable, matching color (see wiring diagram).
- Plug the female 4-pin GREEN sCH1 connector to the male WHITE connector of crossover cable.
- Plug the female 4-pin WHITE sCH1 connector to the male GREEN connector of crossover cable.

STEP 4

- Connect the factory radio harness to the SR-CH1 T-harness.

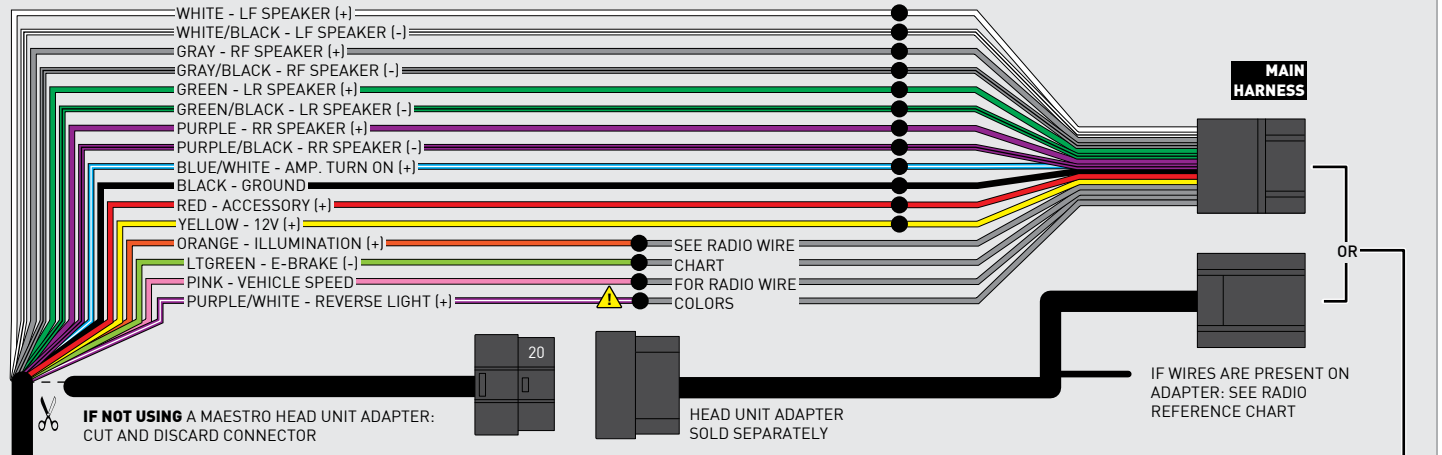
STEP 5

- Connect the SR-CH1 harness to the Maestro SR module.
- Connect the steering wheel control cable.

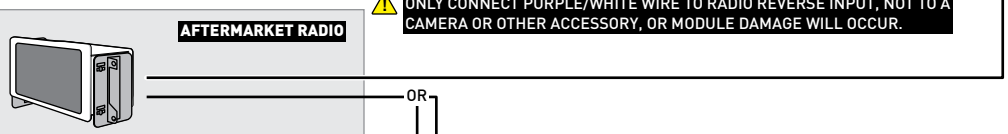
Test your installation.

WIRING DIAGRAM

STEP 1



STEP 2

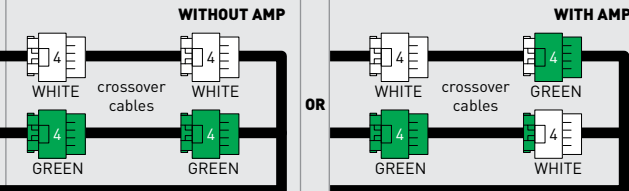


STEP 3

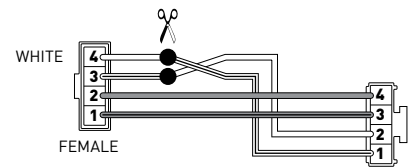
sCH1 HARNESS v1.10 + : PLUG WITHOUT USING CROSSOVER CABLES.

sCH1 HARNESS v1.00 ONLY

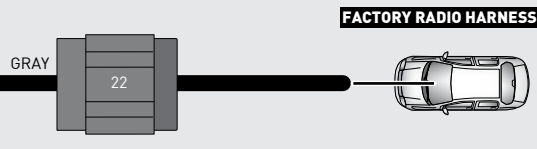
- 1- MODIFY WHITE CROSSOVER CABLE AS INDICATED TO THE RIGHT.
- 2- CONNECT CROSSOVER CABLES AS SHOWN BELOW.



sCH1 v1.00 ONLY : WHITE CROSSOVER CABLE MODIFICATION CUT + FLIP WHITE AND WHITE/BLACK WIRES.

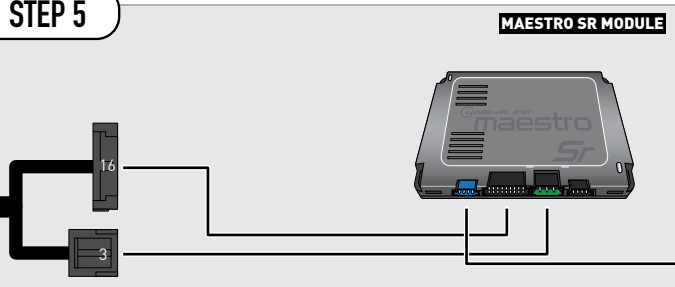


STEP 4



POC1 - User configurable output - set up during module programming if desired.
 POC2 - Low current negative (-350mA) polarity output used to trigger a relay.

STEP 5



NOT REQUIRED



RADIO WIRE REFERENCE CHART

CH1 T-harness Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/ JVC cable	Wire Color on Pioneer cable	Wire Color on Sony cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light*	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A

* Reverse light wire: Only connect to radio or module damage will occur.
Other brands, refer to aftermarket radio guide. Some radios may not be equipped with all wires listed.

Description	Polarity	Maestro Steering Wheel Control wire	Radio with Steering Wheel Control Port	*Alpine Radio With SWI1, SWI2, Ground Wires	JVC or Kenwood	*Other Radio Brands With SWI1, SWI2, Ground Wires OR Key1, Key2, Ground Wires
Maestro Steering Wheel Control Cable	(DATA)	3.5mm Jack	3.5mm SWC Input Port	Not Connected (secure the jack)	Not Connected (secure the jack)	Not Connected (secure the jack)
	(DATA)	Blue/Yellow Wire	Not Connected	SWI1 Input	Blue/Yellow Wire	SWI1 Input or Key1 Input

*Manually learn the buttons to the radio in the radio steering wheel control menu.

Head unit adapter wiring (optional accessory, sold separately)

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

ACC-HU-KEN1 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
CAM	(+)	Green/Red	Refer to camera/ radio manual
CAM	(-)	Green/White	Refer to camera/ radio manual
Steering Wheel Controls	(DATA)	Blue/Yellow	Blue/Yellow

ACC-HU-KEN2 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
E-Brake	(-)	LtGreen	LtGreen
Reverse Light*	(+)	Purple/White	Purple/White
Steering Wheel Controls	(DATA)	Blue/Yellow	Blue/Yellow

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 Bluetooth activity	LED STATUS	DIAGNOSTIC
<div><div></div> or <div></div></div>		RED or GREEN flashing	LED flashes 1 or more times, either red or green, when a steering wheel button is pressed : normal operation.
<div><div></div></div>		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do <u>NOT</u> use DEMO MODE.
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<div><div></div></div>	<div><div></div></div>	OFF	Normal operation (inactive).

TROUBLESHOOTING TABLE

PROBLEM	SOLUTION
Steering wheel controls do not work but LED on the Maestro does blink when steering wheel buttons are pressed.	<p>Verify the buttons are set up in the flash. If any button is set to "none" for "press once", it will do nothing. "Hold" column can be left as none and the "press once" function will operate with one press and when holding the button.</p> <p>Ensure the blue 4-pin steering wheel control cable is connected between the Maestro and the radio. The radio will use either the 3.5mm jack OR the blue/yellow wire, not both.</p> <p>Connect the 3.5mm jack from the Maestro blue 4-pin cable to the radio's 3.5mm port (labeled steering, remote, or wheel). If no such port exists, wire the blue/yellow to blue/yellow (Kenwood/JVC) or to the radio's Key 1 wire (brands not listed/other) and secure the 3.5mm jack. It will not be used.</p> <p>Refer to radio's owner's manual to verify if the radio has this function: Alpine models with button learning (SW11/2/GND wires on back of radio): Connect blue/yellow wire from the blue 4-pin to the radio's SW11 input. Manually learn the buttons to the radio in the radio steering wheel control menus. JVC/Kenwood - Steering Wheel Control (ON/OFF): choose ON Nakamichi - if model is listed, ensure PAC mode is on. If "other", learn the buttons in the radio steering wheel menu. Sony - Steering Wheel Control (Custom/Preset): choose Preset. If phone buttons do not operate properly, flash the module as Pioneer - 2009 and newer with BT. Then select "custom" instead of "preset" and learn the buttons in the radio menu. Other brands - radio should have a steering wheel menu to learn the buttons. You may have to select type A/B/C/1/2/3 and try learning again if buttons are not saving. Refer to radio manufacturer's tech support for further advice if not learning properly.</p>
The radio doesn't turn on. LED on the Maestro is not flashing.	<p>Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.</p> <p>If installing a modular radio and it is not turning on, ensure the screen is secured and any trim pieces on the radio have been installed fully.</p>
When making a phone call you cannot hear the call, but the caller can hear you.	Switch the 4-pin green and white connectors in the t-harness.
No sound.	Ensure blue/white wire from harness is connected to radio's amp turn on output. This is usually blue/white but varies by radio manufacturer. Verify speaker wire connections and 4 pin connectors (green and white).

MAESTRO SR 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.

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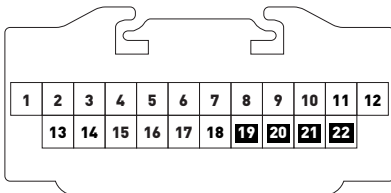


Fig. 2.1

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If you have wires in PIN 19, 20, 21 and 22, you don't have a factory amplifier

STEP 1

If using head unit adapter (sold separately), connect SR-CH1 harness to adapter and skip to step 2.

- Unbox the aftermarket radio and locate its main harness.
- Cut and remove the black 20 pin connector from the SR-CH1 T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the SR-CH1 T-harness and match the wire functions.

Note: Purple/white is a low current positive output used to trigger the radio only. Do NOT connect to anything other than the radio's reverse input. Refer to radio wire chart for radio's reverse light wire color.

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STEP 3

Without factory AMP:

(HRN-SR-CH1 v1.10) : Plug 4-pin connectors of sCH1 harness, WHITE to WHITE and GREEN to GREEN. Do not use crossover câbles.

(HRN-SR-CH1 v1.0 only):

- Modify WHITE crossover cable as shown in the diagram (cut and flip White and White/Black wires).
- Plug male side of each 4-pin SR-CH1 connector to crossover cable, matching color (see wiring diagram).
- Plug the female 4-pin GREEN sCH1 connector to the male GREEN connector of crossover cable.
- Plug the female 4-pin WHITE sCH1 connector to the male WHITE connector of crossover cable.

With factory AMP:

(HRN-SR-CH1 v1.10) : Plug 4-pin connectors of sCH1 harness, GREEN to WHITE and WHITE to GREEN. Do not use crossover câbles.

(HRN-SR-CH1 v1.0 only):

- Modify WHITE crossover cable as shown in the diagram (cut and flip White and White/Black wires).
- Plug male side of each 4-pin SR-CH1 connector to crossover cable, matching color (see wiring diagram).
- Plug the female 4-pin GREEN sCH1 connector to the male WHITE connector of crossover cable.
- Plug the female 4-pin WHITE sCH1 connector to the male GREEN connector of crossover cable.

STEP 4

- Connect the factory radio harness to the SR-CH1 T-harness.

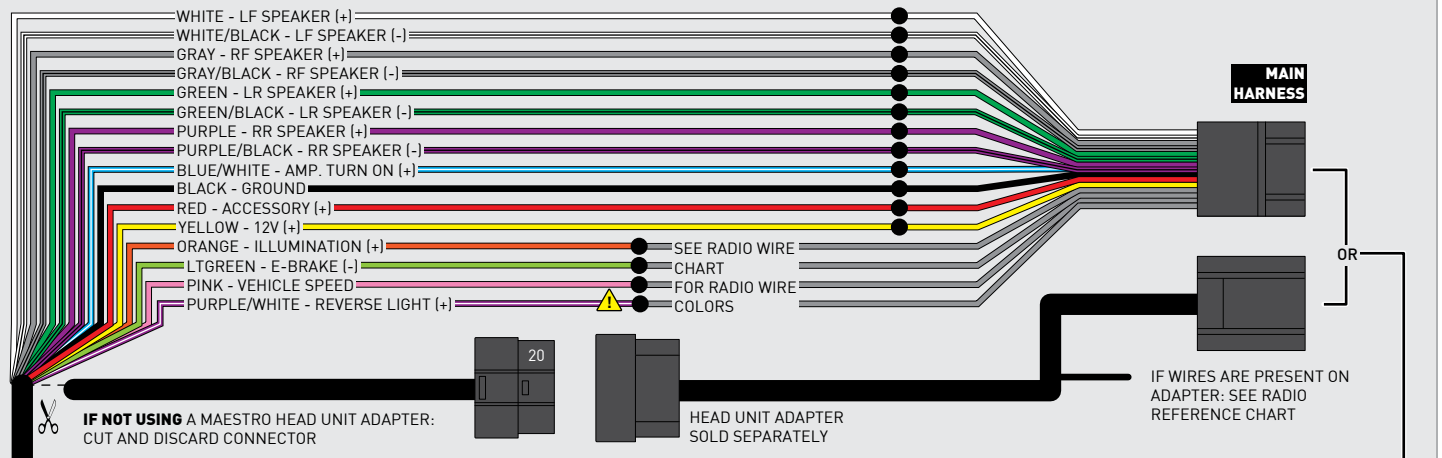
STEP 5

- Connect the SR-CH1 harness to the Maestro SR module.
- Connect the steering wheel control cable.

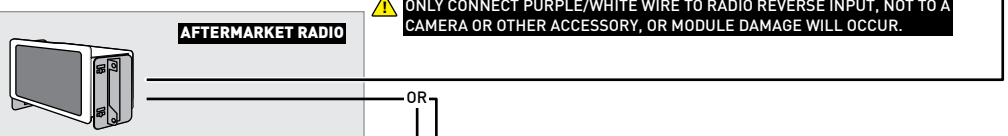
Test your installation.

WIRING DIAGRAM

STEP 1



STEP 2

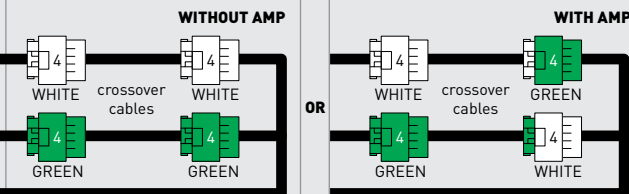


STEP 3

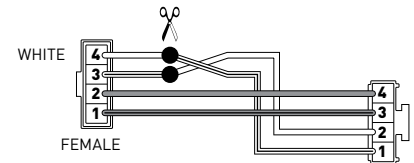
sCH1 HARNESS v1.10 + : PLUG WITHOUT USING CROSSOVER CABLES.

sCH1 HARNESS v1.00 ONLY

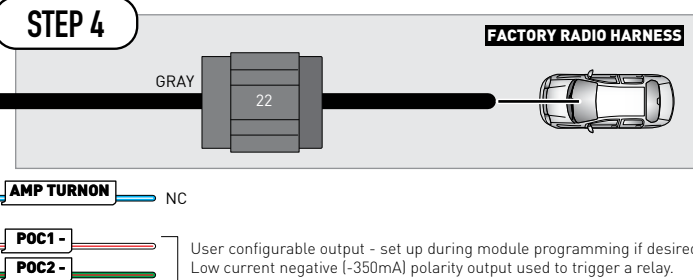
- 1- MODIFY WHITE CROSSOVER CABLE AS INDICATED TO THE RIGHT.
- 2- CONNECT CROSSOVER CABLES AS SHOWN BELOW.



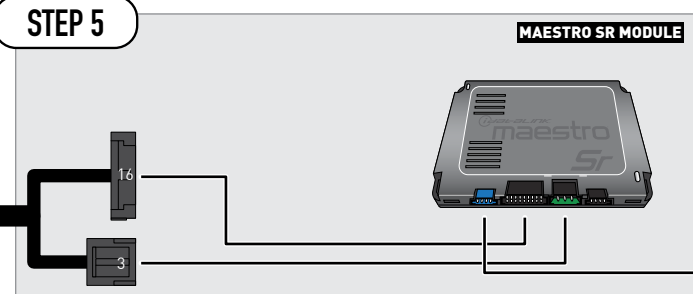
sCH1 v1.00 ONLY : WHITE CROSSOVER CABLE MODIFICATION CUT + FLIP WHITE AND WHITE/BLACK WIRES.



STEP 4



STEP 5



NOT REQUIRED



RADIO WIRE REFERENCE CHART

CH1 T-harness Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/JVC cable	Wire Color on Pioneer cable	Wire Color on Sony cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light*	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A

* Reverse light wire: Only connect to radio or module damage will occur.
Other brands, refer to aftermarket radio guide. Some radios may not be equipped with all wires listed.

Description	Polarity	Maestro Steering Wheel Control wire	Radio with Steering Wheel Control Port	*Alpine Radio With SWI1, SWI2, Ground Wires	JVC or Kenwood	*Other Radio Brands With SWI1, SWI2, Ground Wires OR Key1, Key2, Ground Wires
Maestro Steering Wheel Control Cable	(DATA)	3.5mm Jack	3.5mm SWC Input Port	Not Connected (secure the jack)	Not Connected (secure the jack)	Not Connected (secure the jack)
	(DATA)	Blue/Yellow Wire	Not Connected	SWI1 Input	Blue/Yellow Wire	SWI1 Input or Key1 Input

*Manually learn the buttons to the radio in the radio steering wheel control menu.

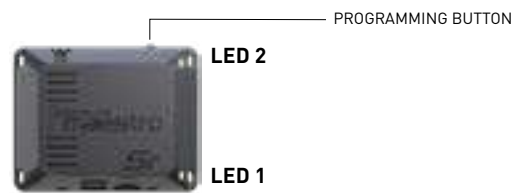
Head unit adapter wiring (optional accessory, sold separately)

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

ACC-HU-KEN1 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
CAM	(+)	Green/Red	Refer to camera/radio manual
CAM	(-)	Green/White	Refer to camera/radio manual
Steering Wheel Controls	(DATA)	Blue/Yellow	Blue/Yellow

ACC-HU-KEN2 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
E-Brake	(-)	LtGreen	LtGreen
Reverse Light*	(+)	Purple/White	Purple/White
Steering Wheel Controls	(DATA)	Blue/Yellow	Blue/Yellow

MODULE DIAGNOSTICS



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

TROUBLESHOOTING TABLE

PROBLEM	SOLUTION
Steering wheel controls do not work but LED on the Maestro does blink when steering wheel buttons are pressed.	<p>Verify the buttons are set up in the flash. If any button is set to "none" for "press once", it will do nothing. "Hold" column can be left as none and the "press once" function will operate with one press and when holding the button.</p> <p>Ensure the blue 4-pin steering wheel control cable is connected between the Maestro and the radio. The radio will use either the 3.5mm jack OR the blue/yellow wire, not both.</p> <p>Connect the 3.5mm jack from the Maestro blue 4-pin cable to the radio's 3.5mm port (labeled steering, remote, or wheel). If no such port exists, wire the blue/yellow to blue/yellow (Kenwood/JVC) or to the radio's Key 1 wire (brands not listed/other) and secure the 3.5mm jack. It will not be used.</p> <p>Refer to radio's owner's manual to verify if the radio has this function: Alpine models with button learning (SW11/2/GND wires on back of radio): Connect blue/yellow wire from the blue 4-pin to the radio's SW11 input. Manually learn the buttons to the radio in the radio steering wheel control menus. JVC/Kenwood - Steering Wheel Control (ON/OFF): choose ON Nakamichi - if model is listed, ensure PAC mode is on. If "other", learn the buttons in the radio steering wheel menu. Sony - Steering Wheel Control (Custom/Preset): choose Preset. If phone buttons do not operate properly, flash the module as Pioneer - 2009 and newer with BT. Then select "custom" instead of "preset" and learn the buttons in the radio menu. Other brands - radio should have a steering wheel menu to learn the buttons. You may have to select type A/B/C/1/2/3 and try learning again if buttons are not saving. Refer to radio manufacturer's tech support for further advice if not learning properly.</p>
The radio doesn't turn on. LED on the Maestro is not flashing.	<p>Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.</p> <p>If installing a modular radio and it is not turning on, ensure the screen is secured and any trim pieces on the radio have been installed fully.</p>
When making a phone call you cannot hear the call, but the caller can hear you.	Switch the 4-pin green and white connectors in the t-harness.
No sound.	Ensure blue/white wire from harness is connected to radio's amp turn on output. This is usually blue/white but varies by radio manufacturer. Verify speaker wire connections and 4 pin connectors (green and white).

MAESTRO SR RESET PROCEDURE:

Turn the key to the OFF position, then disconnect all connectors from the module.

Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).

Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds to show the reset was successful.

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

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

RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER AND MORE!



+



**HEAD UNIT
ADAPTER READY**

PRODUCTS REQUIRED

iDataLink Maestro SR Radio Replacement Interface
iDataLink Maestro SR-CH1 Installation Harness

PROGRAMMED FIRMWARE: CH1-SR-AS


WELCOME

Congratulations on the purchase of your iDatalink Maestro SR 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 SR will only retain functionalities that were originally available in the vehicle.

NEED HELP?

 1 866 427-2999

 maestro.support@idatalink.com

ADDITIONAL INFORMATION AND ACCESSORIES

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

AVCH1
(A/V adapter for backup camera retention)

Installation, product information, vehicle specific videos.

[VIDEO HELP](#)



Last flash information, steering control configuration, vehicle information.

[VERIFY FLASH](#)



Software to program module.

[WEBLINK](#)



INSTALLATION INSTRUCTIONS P1/1

BEFORE INSTALLING

- Remove the factory radio.
- Access the main 22 pin factory radio connector **(2.1)** and determine if you have a factory amplifier.

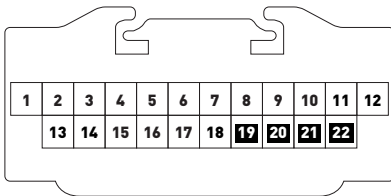


Fig. 2.1

If you don't have wires in PIN 19, 20, 21 and 22, you have a factory amplifier.

If you have wires in PIN 19, 20, 21 and 22, you don't have a factory amplifier

STEP 1

If using head unit adapter (sold separately), connect SR-CH1 harness to adapter and skip to step 2.

- Unbox the aftermarket radio and locate its main harness.
- Cut and remove the black 20 pin connector from the SR-CH1 T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the SR-CH1 T-harness and match the wire functions.

Note: Purple/white is a low current positive output used to trigger the radio only. Do NOT connect to anything other than the radio's reverse input. Refer to radio wire chart for radio's reverse light wire color.

If no camera is installed/desired, do not connect the radio's reverse wire. If installing an aftermarket camera, do NOT connect power for the camera to the Maestro's purple/white wire or module damage will occur.

STEP 2

- Plug the harnesses into the aftermarket radio.
- Connect the steering wheel control cable to the aftermarket radio. Connect either the blue/yellow wire (Kenwood/JVC or radios with SWI/KEY wires) or the 3.5mm to the steering control input of the radio (see Radio Wire Reference Chart for more details).

STEP 3

Without factory AMP:

(HRN-SR-CH1 v1.10) : Plug 4-pin connectors of sCH1 harness, WHITE to WHITE and GREEN to GREEN. Do not use crossover câbles.

(HRN-SR-CH1 v1.0 only):

- Modify WHITE crossover cable as shown in the diagram (cut and flip White and White/Black wires).
- Plug male side of each 4-pin SR-CH1 connector to crossover cable, matching color (see wiring diagram).
- Plug the female 4-pin GREEN sCH1 connector to the male GREEN connector of crossover cable.
- Plug the female 4-pin WHITE sCH1 connector to the male WHITE connector of crossover cable.

With factory AMP:

(HRN-SR-CH1 v1.10) : Plug 4-pin connectors of sCH1 harness, GREEN to WHITE and WHITE to GREEN. Do not use crossover câbles.

(HRN-SR-CH1 v1.0 only):

- Modify WHITE crossover cable as shown in the diagram (cut and flip White and White/Black wires).
- Plug male side of each 4-pin SR-CH1 connector to crossover cable, matching color (see wiring diagram).
- Plug the female 4-pin GREEN sCH1 connector to the male WHITE connector of crossover cable.
- Plug the female 4-pin WHITE sCH1 connector to the male GREEN connector of crossover cable.

STEP 4

- Connect the factory radio harness to the SR-CH1 T-harness.

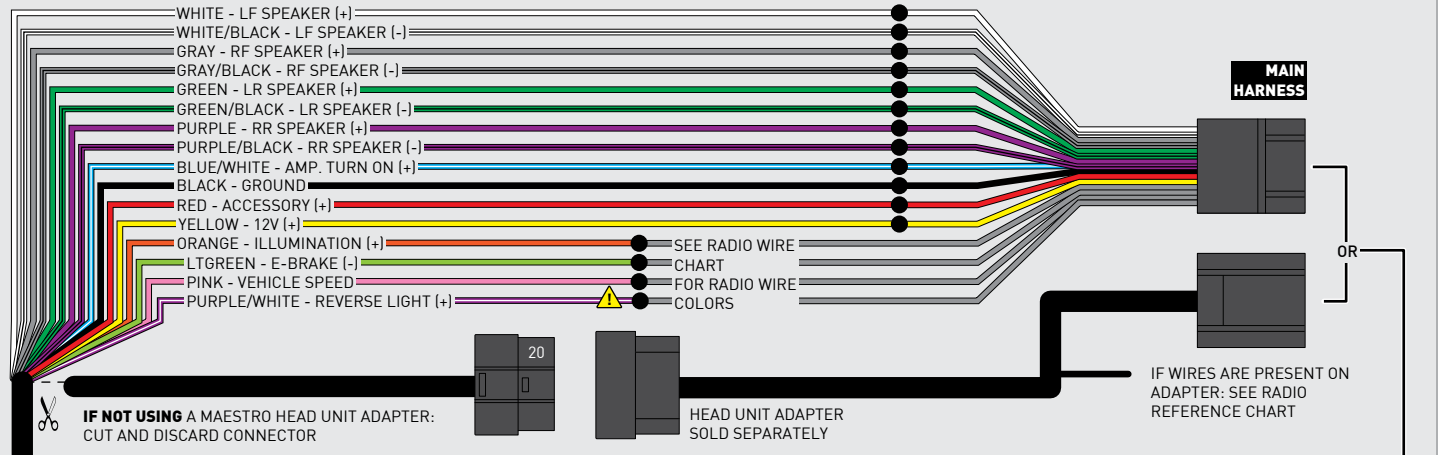
STEP 5

- Connect the SR-CH1 harness to the Maestro SR module.
- Connect the steering wheel control cable.

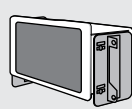
Test your installation.

WIRING DIAGRAM

STEP 1



STEP 2



AFTERMARKET RADIO

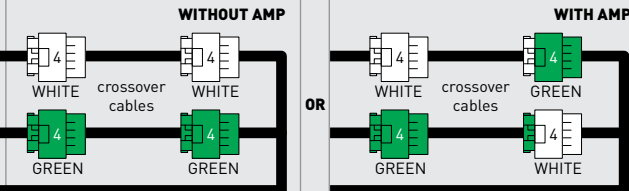
ONLY CONNECT PURPLE/WHITE WIRE TO RADIO REVERSE INPUT, NOT TO A CAMERA OR OTHER ACCESSORY, OR MODULE DAMAGE WILL OCCUR.

STEP 3

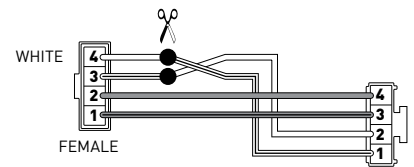
sCH1 HARNESS v1.10 + : PLUG WITHOUT USING CROSSOVER CABLES.

sCH1 HARNESS v1.00 ONLY

- 1- MODIFY WHITE CROSSOVER CABLE AS INDICATED TO THE RIGHT.
- 2- CONNECT CROSSOVER CABLES AS SHOWN BELOW.



sCH1 v1.00 ONLY : WHITE CROSSOVER CABLE MODIFICATION CUT + FLIP WHITE AND WHITE/BLACK WIRES.



STEP 4

FACTORY RADIO HARNESS



AMP TURNON

NC

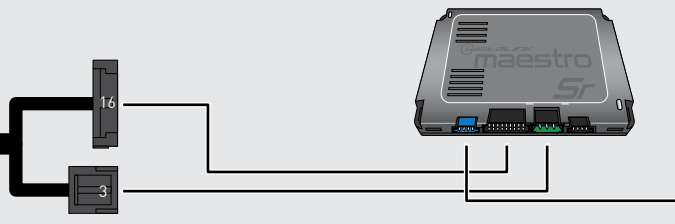
POC1 -

POC2 -

User configurable output - set up during module programming if desired.
 Low current negative (-350mA) polarity output used to trigger a relay.

STEP 5

MAESTRO SR MODULE



NOT REQUIRED



RADIO WIRE REFERENCE CHART

CH1 T-harness Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/JVC cable	Wire Color on Pioneer cable	Wire Color on Sony cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light*	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A

* Reverse light wire: Only connect to radio or module damage will occur.
Other brands, refer to aftermarket radio guide. Some radios may not be equipped with all wires listed.

Description	Polarity	Maestro Steering Wheel Control wire	Radio with Steering Wheel Control Port	*Alpine Radio With SWI1, SWI2, Ground Wires	JVC or Kenwood	*Other Radio Brands With SWI1, SWI2, Ground Wires OR Key1, Key2, Ground Wires
Maestro Steering Wheel Control Cable	(DATA)	3.5mm Jack	3.5mm SWC Input Port	Not Connected (secure the jack)	Not Connected (secure the jack)	Not Connected (secure the jack)
	(DATA)	Blue/Yellow Wire	Not Connected	SWI1 Input	Blue/Yellow Wire	SWI1 Input or Key1 Input

*Manually learn the buttons to the radio in the radio steering wheel control menu.

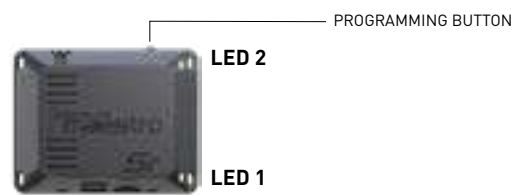
Head unit adapter wiring (optional accessory, sold separately)

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

ACC-HU-KEN1 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
CAM	(+)	Green/Red	Refer to camera/radio manual
CAM	(-)	Green/White	Refer to camera/radio manual
Steering Wheel Controls	(DATA)	Blue/Yellow	Blue/Yellow

ACC-HU-KEN2 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
E-Brake	(-)	LtGreen	LtGreen
Reverse Light*	(+)	Purple/White	Purple/White
Steering Wheel Controls	(DATA)	Blue/Yellow	Blue/Yellow

MODULE DIAGNOSTICS



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

TROUBLESHOOTING TABLE

PROBLEM	SOLUTION
Steering wheel controls do not work but LED on the Maestro does blink when steering wheel buttons are pressed.	<p>Verify the buttons are set up in the flash. If any button is set to "none" for "press once", it will do nothing. "Hold" column can be left as none and the "press once" function will operate with one press and when holding the button.</p> <p>Ensure the blue 4-pin steering wheel control cable is connected between the Maestro and the radio. The radio will use either the 3.5mm jack OR the blue/yellow wire, not both.</p> <p>Connect the 3.5mm jack from the Maestro blue 4-pin cable to the radio's 3.5mm port (labeled steering, remote, or wheel). If no such port exists, wire the blue/yellow to blue/yellow (Kenwood/JVC) or to the radio's Key 1 wire (brands not listed/other) and secure the 3.5mm jack. It will not be used.</p> <p>Refer to radio's owner's manual to verify if the radio has this function: Alpine models with button learning (SW11/2/GND wires on back of radio): Connect blue/yellow wire from the blue 4-pin to the radio's SW11 input. Manually learn the buttons to the radio in the radio steering wheel control menus. JVC/Kenwood - Steering Wheel Control (ON/OFF): choose ON Nakamichi - if model is listed, ensure PAC mode is on. If "other", learn the buttons in the radio steering wheel menu. Sony - Steering Wheel Control (Custom/Preset): choose Preset. If phone buttons do not operate properly, flash the module as Pioneer - 2009 and newer with BT. Then select "custom" instead of "preset" and learn the buttons in the radio menu. Other brands - radio should have a steering wheel menu to learn the buttons. You may have to select type A/B/C/1/2/3 and try learning again if buttons are not saving. Refer to radio manufacturer's tech support for further advice if not learning properly.</p>
The radio doesn't turn on. LED on the Maestro is not flashing.	<p>Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.</p> <p>If installing a modular radio and it is not turning on, ensure the screen is secured and any trim pieces on the radio have been installed fully.</p>
When making a phone call you cannot hear the call, but the caller can hear you.	Switch the 4-pin green and white connectors in the t-harness.
No sound.	Ensure blue/white wire from harness is connected to radio's amp turn on output. This is usually blue/white but varies by radio manufacturer. Verify speaker wire connections and 4 pin connectors (green and white).

MAESTRO SR RESET PROCEDURE:

Turn the key to the OFF position, then disconnect all connectors from the module.

Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).

Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds to show the reset was successful.

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

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

RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER AND MORE!



+



**HEAD UNIT
ADAPTER READY**

PRODUCTS REQUIRED

iDataLink Maestro SR Radio Replacement Interface
iDataLink Maestro SR-CH1 Installation Harness

PROGRAMMED FIRMWARE: CH1-SR-AS

WELCOME

Congratulations on the purchase of your iDatalink Maestro SR 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 SR will only retain functionalities that were originally available in the vehicle.

NEED HELP?

☎ 1 866 427-2999

✉ maestro.support@idatalink.com

ADDITIONAL INFORMATION AND ACCESSORIES

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

AVCH1
(A/V adapter for backup camera retention and rear seat entertainment system)

Installation, product information, vehicle specific videos.

[VIDEO HELP](#)



Last flash information, steering control configuration, vehicle information.

[VERIFY FLASH](#)



Software to program module.

[WEBLINK](#)



INSTALLATION INSTRUCTIONS P1/1

BEFORE INSTALLING

- Remove the factory radio.
- Access the main 22 pin factory radio connector **(2.1)** and determine if you have a factory amplifier.

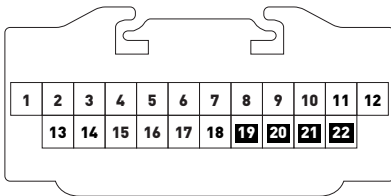


Fig. 2.1

If you don't have wires in PIN 19, 20, 21 and 22, you have a factory amplifier.

If you have wires in PIN 19, 20, 21 and 22, you don't have a factory amplifier

STEP 1

If using head unit adapter (sold separately), connect SR-CH1 harness to adapter and skip to step 2.

- Unbox the aftermarket radio and locate its main harness.
- Cut and remove the black 20 pin connector from the SR-CH1 T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the SR-CH1 T-harness and match the wire functions.

Note: Purple/white is a low current positive output used to trigger the radio only. Do NOT connect to anything other than the radio's reverse input. Refer to radio wire chart for radio's reverse light wire color.

If no camera is installed/desired, do not connect the radio's reverse wire. If installing an aftermarket camera, do NOT connect power for the camera to the Maestro's purple/white wire or module damage will occur.

STEP 2

- Plug the harnesses into the aftermarket radio.
- Connect the steering wheel control cable to the aftermarket radio. Connect either the blue/yellow wire (Kenwood/JVC or radios with SWI/KEY wires) or the 3.5mm to the steering control input of the radio (see Radio Wire Reference Chart for more details).

STEP 3

Without factory AMP:

(HRN-SR-CH1 v1.10) : Plug 4-pin connectors of sCH1 harness, WHITE to WHITE and GREEN to GREEN. Do not use crossover câbles.

(HRN-SR-CH1 v1.0 only):

- Modify WHITE crossover cable as shown in the diagram (cut and flip White and White/Black wires).
- Plug male side of each 4-pin SR-CH1 connector to crossover cable, matching color (see wiring diagram).
- Plug the female 4-pin GREEN sCH1 connector to the male GREEN connector of crossover cable.
- Plug the female 4-pin WHITE sCH1 connector to the male WHITE connector of crossover cable.

With factory AMP:

(HRN-SR-CH1 v1.10) : Plug 4-pin connectors of sCH1 harness, GREEN to WHITE and WHITE to GREEN. Do not use crossover câbles.

(HRN-SR-CH1 v1.0 only):

- Modify WHITE crossover cable as shown in the diagram (cut and flip White and White/Black wires).
- Plug male side of each 4-pin SR-CH1 connector to crossover cable, matching color (see wiring diagram).
- Plug the female 4-pin GREEN sCH1 connector to the male WHITE connector of crossover cable.
- Plug the female 4-pin WHITE sCH1 connector to the male GREEN connector of crossover cable.

STEP 4

- Connect the factory radio harness to the SR-CH1 T-harness.

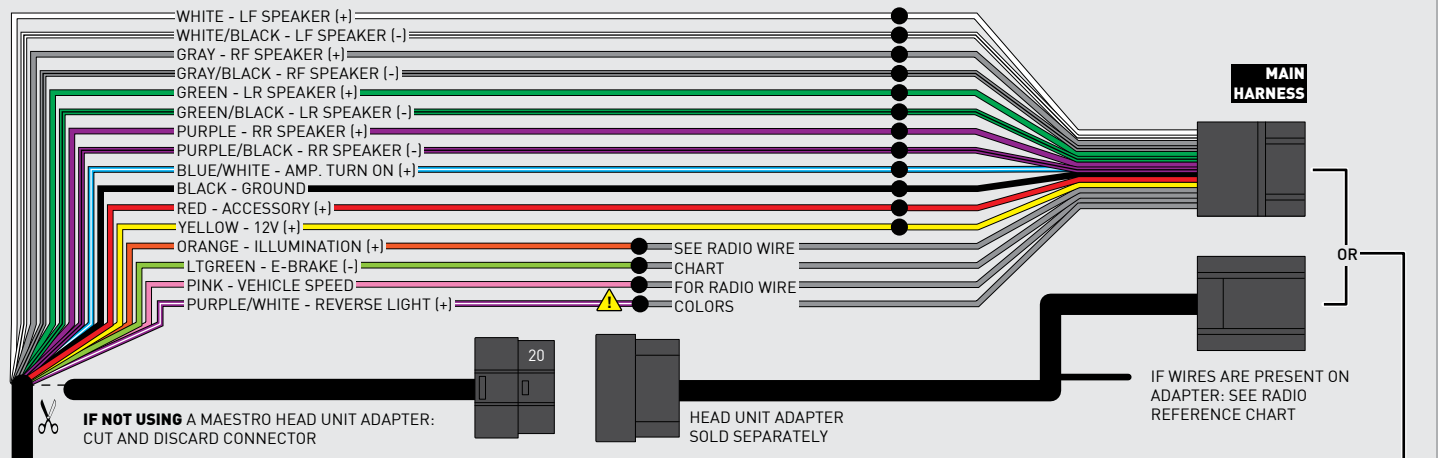
STEP 5

- Connect the SR-CH1 harness to the Maestro SR module.
- Connect the steering wheel control cable.

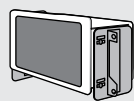
Test your installation.

WIRING DIAGRAM

STEP 1



STEP 2



AFTERMARKET RADIO

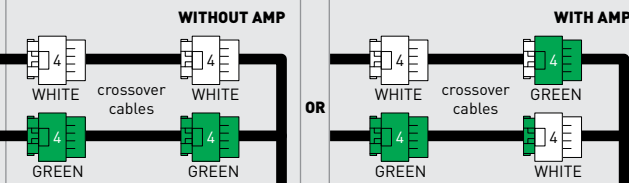
ONLY CONNECT PURPLE/WHITE WIRE TO RADIO REVERSE INPUT, NOT TO A CAMERA OR OTHER ACCESSORY, OR MODULE DAMAGE WILL OCCUR.

STEP 3

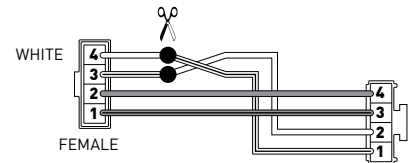
sCH1 HARNESS v1.10 + : PLUG WITHOUT USING CROSSOVER CABLES.

sCH1 HARNESS v1.00 ONLY

- 1- MODIFY WHITE CROSSOVER CABLE AS INDICATED TO THE RIGHT.
- 2- CONNECT CROSSOVER CABLES AS SHOWN BELOW.



sCH1 v1.00 ONLY : WHITE CROSSOVER CABLE MODIFICATION
CUT + FLIP WHITE AND WHITE/BLACK WIRES.



STEP 4

FACTORY RADIO HARNESS

GRAY

22

AMP TURNON

NC

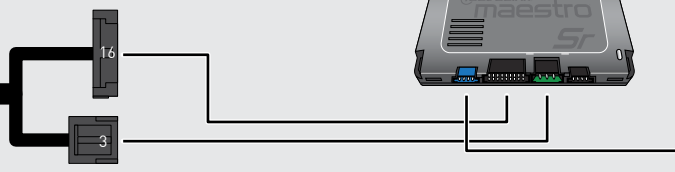
POC1 -

POC2 -

User configurable output - set up during module programming if desired.
Low current negative (~350mA) polarity output used to trigger a relay.

STEP 5

MAESTRO SR MODULE



NOT REQUIRED



RADIO WIRE REFERENCE CHART

CH1 T-harness Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/JVC cable	Wire Color on Pioneer cable	Wire Color on Sony cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light*	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A

* Reverse light wire: Only connect to radio or module damage will occur.
Other brands, refer to aftermarket radio guide. Some radios may not be equipped with all wires listed.

Description	Polarity	Maestro Steering Wheel Control wire	Radio with Steering Wheel Control Port	*Alpine Radio With SWI1, SWI2, Ground Wires	JVC or Kenwood	*Other Radio Brands With SWI1, SWI2, Ground Wires OR Key1, Key2, Ground Wires
Maestro Steering Wheel Control Cable	(DATA)	3.5mm Jack	3.5mm SWC Input Port	Not Connected (secure the jack)	Not Connected (secure the jack)	Not Connected (secure the jack)
	(DATA)	Blue/Yellow Wire	Not Connected	SWI1 Input	Blue/Yellow Wire	SWI1 Input or Key1 Input

*Manually learn the buttons to the radio in the radio steering wheel control menu.

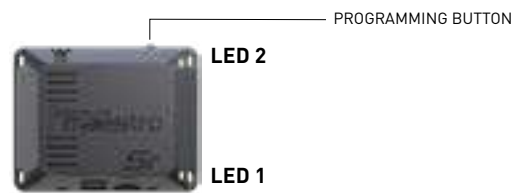
Head unit adapter wiring (optional accessory, sold separately)

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

ACC-HU-KEN1 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
CAM	(+)	Green/Red	Refer to camera/radio manual
CAM	(-)	Green/White	Refer to camera/radio manual
Steering Wheel Controls	(DATA)	Blue/Yellow	Blue/Yellow

ACC-HU-KEN2 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
E-Brake	(-)	LtGreen	LtGreen
Reverse Light*	(+)	Purple/White	Purple/White
Steering Wheel Controls	(DATA)	Blue/Yellow	Blue/Yellow

MODULE DIAGNOSTICS



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

TROUBLESHOOTING TABLE

PROBLEM	SOLUTION
Steering wheel controls do not work but LED on the Maestro does blink when steering wheel buttons are pressed.	<p>Verify the buttons are set up in the flash. If any button is set to "none" for "press once", it will do nothing. "Hold" column can be left as none and the "press once" function will operate with one press and when holding the button.</p> <p>Ensure the blue 4-pin steering wheel control cable is connected between the Maestro and the radio. The radio will use either the 3.5mm jack OR the blue/yellow wire, not both.</p> <p>Connect the 3.5mm jack from the Maestro blue 4-pin cable to the radio's 3.5mm port (labeled steering, remote, or wheel). If no such port exists, wire the blue/yellow to blue/yellow (Kenwood/JVC) or to the radio's Key 1 wire (brands not listed/other) and secure the 3.5mm jack. It will not be used.</p> <p>Refer to radio's owner's manual to verify if the radio has this function: Alpine models with button learning (SW11/2/GND wires on back of radio): Connect blue/yellow wire from the blue 4-pin to the radio's SW11 input. Manually learn the buttons to the radio in the radio steering wheel control menus. JVC/Kenwood - Steering Wheel Control (ON/OFF): choose ON Nakamichi - if model is listed, ensure PAC mode is on. If "other", learn the buttons in the radio steering wheel menu. Sony - Steering Wheel Control (Custom/Preset): choose Preset. If phone buttons do not operate properly, flash the module as Pioneer - 2009 and newer with BT. Then select "custom" instead of "preset" and learn the buttons in the radio menu. Other brands - radio should have a steering wheel menu to learn the buttons. You may have to select type A/B/C/1/2/3 and try learning again if buttons are not saving. Refer to radio manufacturer's tech support for further advice if not learning properly.</p>
The radio doesn't turn on. LED on the Maestro is not flashing.	<p>Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.</p> <p>If installing a modular radio and it is not turning on, ensure the screen is secured and any trim pieces on the radio have been installed fully.</p>
When making a phone call you cannot hear the call, but the caller can hear you.	Switch the 4-pin green and white connectors in the t-harness.
No sound.	Ensure blue/white wire from harness is connected to radio's amp turn on output. This is usually blue/white but varies by radio manufacturer. Verify speaker wire connections and 4 pin connectors (green and white).

MAESTRO SR RESET PROCEDURE:

Turn the key to the OFF position, then disconnect all connectors from the module.

Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).

Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds to show the reset was successful.

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

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

RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER AND MORE!



+



**HEAD UNIT
ADAPTER READY**

PRODUCTS REQUIRED

iDataLink Maestro SR Radio Replacement Interface
iDataLink Maestro SR-CH1 Installation Harness

PROGRAMMED FIRMWARE: CH1-SR-AS

WELCOME

Congratulations on the purchase of your iDatalink Maestro SR 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 SR will only retain functionalities that were originally available in the vehicle.

NEED HELP?

☎ 1 866 427-2999

✉ maestro.support@idatalink.com

ADDITIONAL INFORMATION AND ACCESSORIES

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

AVCH1
(A/V adapter for backup camera retention)

Installation, product information, vehicle specific videos. [VIDEO HELP](#)



Last flash information, steering control configuration, vehicle information. [VERIFY FLASH](#)



Software to program module. [WEBLINK](#)



INSTALLATION INSTRUCTIONS P1/1

BEFORE INSTALLING

- Remove the factory radio.
- Access the main 22 pin factory radio connector (2.1) and determine if you have a factory amplifier.

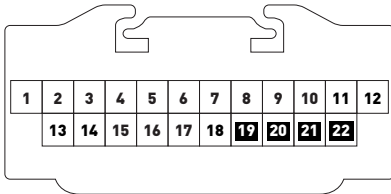


Fig. 2.1

If you don't have wires in PIN 19, 20, 21 and 22, you have a factory amplifier.

If you have wires in PIN 19, 20, 21 and 22, you don't have a factory amplifier

STEP 1

If using head unit adapter (sold separately), connect SR-CH1 harness to adapter and skip to step 2.

- Unbox the aftermarket radio and locate its main harness.
- Cut and remove the black 20 pin connector from the SR-CH1 T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the SR-CH1 T-harness and match the wire functions.

Note: Purple/white is a low current positive output used to trigger the radio only. Do NOT connect to anything other than the radio's reverse input. Refer to radio wire chart for radio's reverse light wire color.

If no camera is installed/desired, do not connect the radio's reverse wire. If installing an aftermarket camera, do NOT connect power for the camera to the Maestro's purple/white wire or module damage will occur.

STEP 2

- Plug the harnesses into the aftermarket radio.
- Connect the steering wheel control cable to the aftermarket radio. Connect either the blue/yellow wire (Kenwood/JVC or radios with SWI/KEY wires) or the 3.5mm to the steering control input of the radio (see Radio Wire Reference Chart for more details).

STEP 3

Without factory AMP:

(HRN-SR-CH1 v1.10) : Plug 4-pin connectors of sCH1 harness, WHITE to WHITE and GREEN to GREEN. Do not use crossover câbles.

(HRN-SR-CH1 v1.0 only):

- Modify WHITE crossover cable as shown in the diagram (cut and flip White and White/Black wires).
- Plug male side of each 4-pin SR-CH1 connector to crossover cable, matching color (see wiring diagram).
- Plug the female 4-pin GREEN sCH1 connector to the male GREEN connector of crossover cable.
- Plug the female 4-pin WHITE sCH1 connector to the male WHITE connector of crossover cable.

With factory AMP:

(HRN-SR-CH1 v1.10) : Plug 4-pin connectors of sCH1 harness, GREEN to WHITE and WHITE to GREEN. Do not use crossover câbles.

(HRN-SR-CH1 v1.0 only):

- Modify WHITE crossover cable as shown in the diagram (cut and flip White and White/Black wires).
- Plug male side of each 4-pin SR-CH1 connector to crossover cable, matching color (see wiring diagram).
- Plug the female 4-pin GREEN sCH1 connector to the male WHITE connector of crossover cable.
- Plug the female 4-pin WHITE sCH1 connector to the male GREEN connector of crossover cable.

STEP 4

- Connect the factory radio harness to the SR-CH1 T-harness.

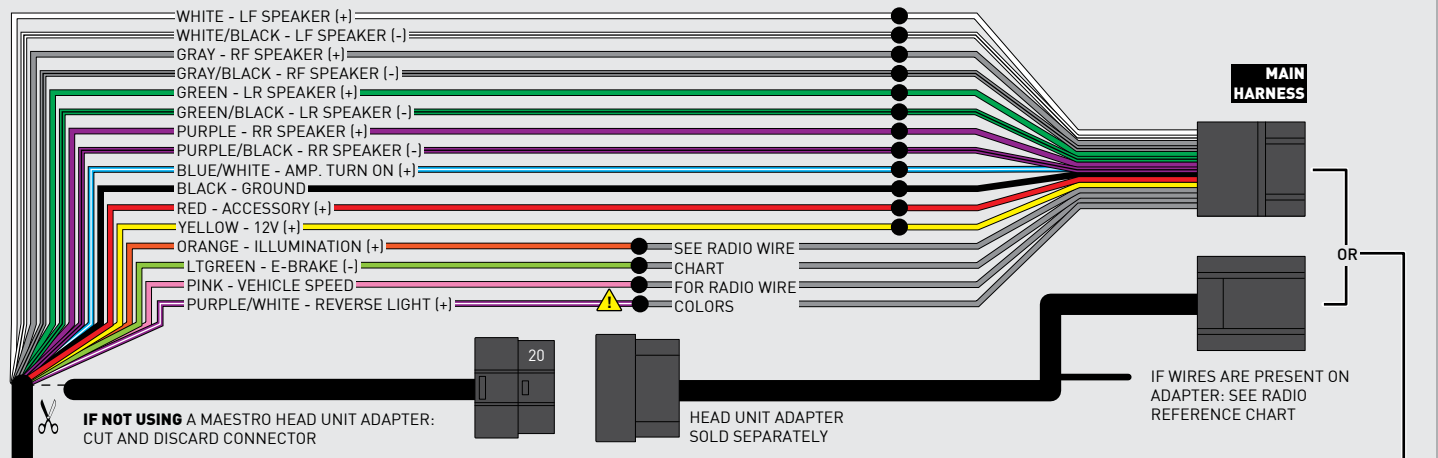
STEP 5

- Connect the SR-CH1 harness to the Maestro SR module.
- Connect the steering wheel control cable.

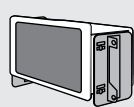
Test your installation.

WIRING DIAGRAM

STEP 1



STEP 2



AFTERMARKET RADIO

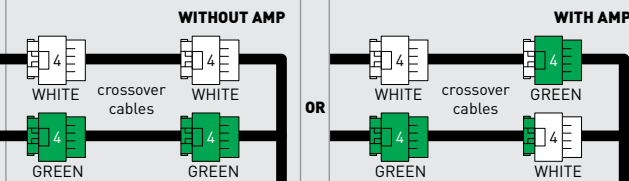
ONLY CONNECT PURPLE/WHITE WIRE TO RADIO REVERSE INPUT, NOT TO A CAMERA OR OTHER ACCESSORY, OR MODULE DAMAGE WILL OCCUR.

STEP 3

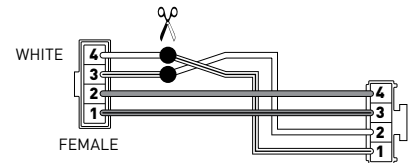
sCH1 HARNESS v1.10 + : PLUG WITHOUT USING CROSSOVER CABLES.

sCH1 HARNESS v1.00 ONLY

- 1- MODIFY WHITE CROSSOVER CABLE AS INDICATED TO THE RIGHT.
- 2- CONNECT CROSSOVER CABLES AS SHOWN BELOW.



sCH1 v1.00 ONLY : WHITE CROSSOVER CABLE MODIFICATION CUT + FLIP WHITE AND WHITE/BLACK WIRES.



STEP 4

FACTORY RADIO HARNESS

GRAY

22

AMP TURNON

NC

POC1 -

POC2 -

User configurable output - set up during module programming if desired.
 Low current negative (-350mA) polarity output used to trigger a relay.

STEP 5

MAESTRO SR MODULE



NOT REQUIRED



RADIO WIRE REFERENCE CHART

CH1 T-harness Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/ JVC cable	Wire Color on Pioneer cable	Wire Color on Sony cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light*	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A

* Reverse light wire: Only connect to radio or module damage will occur.
Other brands, refer to aftermarket radio guide. Some radios may not be equipped with all wires listed.

Description	Polarity	Maestro Steering Wheel Control wire	Radio with Steering Wheel Control Port	*Alpine Radio With SWI1, SWI2, Ground Wires	JVC or Kenwood	*Other Radio Brands With SWI1, SWI2, Ground Wires OR Key1, Key2, Ground Wires
Maestro Steering Wheel Control Cable	(DATA)	3.5mm Jack	3.5mm SWC Input Port	Not Connected (secure the jack)	Not Connected (secure the jack)	Not Connected (secure the jack)
	(DATA)	Blue/Yellow Wire	Not Connected	SWI1 Input	Blue/Yellow Wire	SWI1 Input or Key1 Input

*Manually learn the buttons to the radio in the radio steering wheel control menu.

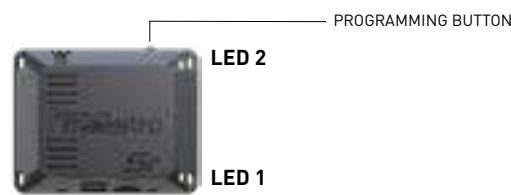
Head unit adapter wiring (optional accessory, sold separately)

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

ACC-HU-KEN1 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
CAM	(+)	Green/Red	Refer to camera/ radio manual
CAM	(-)	Green/White	Refer to camera/ radio manual
Steering Wheel Controls	(DATA)	Blue/Yellow	Blue/Yellow

ACC-HU-KEN2 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
E-Brake	(-)	LtGreen	LtGreen
Reverse Light*	(+)	Purple/White	Purple/White
Steering Wheel Controls	(DATA)	Blue/Yellow	Blue/Yellow

MODULE DIAGNOSTICS



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

TROUBLESHOOTING TABLE

PROBLEM	SOLUTION
Steering wheel controls do not work but LED on the Maestro does blink when steering wheel buttons are pressed.	<p>Verify the buttons are set up in the flash. If any button is set to "none" for "press once", it will do nothing. "Hold" column can be left as none and the "press once" function will operate with one press and when holding the button.</p> <p>Ensure the blue 4-pin steering wheel control cable is connected between the Maestro and the radio. The radio will use either the 3.5mm jack OR the blue/yellow wire, not both.</p> <p>Connect the 3.5mm jack from the Maestro blue 4-pin cable to the radio's 3.5mm port (labeled steering, remote, or wheel). If no such port exists, wire the blue/yellow to blue/yellow (Kenwood/JVC) or to the radio's Key 1 wire (brands not listed/other) and secure the 3.5mm jack. It will not be used.</p> <p>Refer to radio's owner's manual to verify if the radio has this function: Alpine models with button learning (SW11/2/GND wires on back of radio): Connect blue/yellow wire from the blue 4-pin to the radio's SW11 input. Manually learn the buttons to the radio in the radio steering wheel control menus. JVC/Kenwood - Steering Wheel Control (ON/OFF): choose ON Nakamichi - if model is listed, ensure PAC mode is on. If "other", learn the buttons in the radio steering wheel menu. Sony - Steering Wheel Control (Custom/Preset): choose Preset. If phone buttons do not operate properly, flash the module as Pioneer - 2009 and newer with BT. Then select "custom" instead of "preset" and learn the buttons in the radio menu. Other brands - radio should have a steering wheel menu to learn the buttons. You may have to select type A/B/C/1/2/3 and try learning again if buttons are not saving. Refer to radio manufacturer's tech support for further advice if not learning properly.</p>
The radio doesn't turn on. LED on the Maestro is not flashing.	<p>Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.</p> <p>If installing a modular radio and it is not turning on, ensure the screen is secured and any trim pieces on the radio have been installed fully.</p>
When making a phone call you cannot hear the call, but the caller can hear you.	Switch the 4-pin green and white connectors in the t-harness.
No sound.	Ensure blue/white wire from harness is connected to radio's amp turn on output. This is usually blue/white but varies by radio manufacturer. Verify speaker wire connections and 4 pin connectors (green and white).

MAESTRO SR RESET PROCEDURE:

Turn the key to the OFF position, then disconnect all connectors from the module.

Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).

Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds to show the reset was successful.

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

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

RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER AND MORE!



+



**HEAD UNIT
ADAPTER READY**

PRODUCTS REQUIRED

iDataLink Maestro SR Radio Replacement Interface
iDataLink Maestro SR-CH1 Installation Harness

PROGRAMMED FIRMWARE: CH1-SR-AS


WELCOME

Congratulations on the purchase of your iDatalink Maestro SR 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 SR will only retain functionalities that were originally available in the vehicle.

NEED HELP?

 1 866 427-2999

 maestro.support@idatalink.com

ADDITIONAL INFORMATION AND ACCESSORIES

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

AVCH1
(A/V adapter for backup camera retention)

Installation, product information, vehicle specific videos.

[VIDEO HELP](#)



Last flash information, steering control configuration, vehicle information.

[VERIFY FLASH](#)



Software to program module.

[WEBLINK](#)



INSTALLATION INSTRUCTIONS P1/1

BEFORE INSTALLING

- Remove the factory radio.
- Access the main 22 pin factory radio connector (2.1) and determine if you have a factory amplifier.

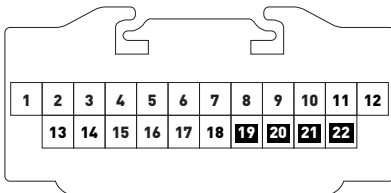


Fig. 2.1

If you don't have wires in PIN 19, 20, 21 and 22, you have a factory amplifier.

If you have wires in PIN 19, 20, 21 and 22, you don't have a factory amplifier

STEP 1

If using head unit adapter (sold separately), connect SR-CH1 harness to adapter and skip to step 2.

- Unbox the aftermarket radio and locate its main harness.
- Cut and remove the black 20 pin connector from the SR-CH1 T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the SR-CH1 T-harness and match the wire functions.

Note: Purple/white is a low current positive output used to trigger the radio only. Do NOT connect to anything other than the radio's reverse input. Refer to radio wire chart for radio's reverse light wire color.

If no camera is installed/desired, do not connect the radio's reverse wire. If installing an aftermarket camera, do NOT connect power for the camera to the Maestro's purple/white wire or module damage will occur.

STEP 2

- Plug the harnesses into the aftermarket radio.
- Connect the steering wheel control cable to the aftermarket radio. Connect either the blue/yellow wire (Kenwood/JVC or radios with SWI/KEY wires) or the 3.5mm to the steering control input of the radio (see Radio Wire Reference Chart for more details).

STEP 3

Without factory AMP:

(HRN-SR-CH1 v1.10) : Plug 4-pin connectors of sCH1 harness, WHITE to WHITE and GREEN to GREEN. Do not use crossover câbles.

(HRN-SR-CH1 v1.0 only):

- Modify WHITE crossover cable as shown in the diagram (cut and flip White and White/Black wires).
- Plug male side of each 4-pin SR-CH1 connector to crossover cable, matching color (see wiring diagram).
- Plug the female 4-pin GREEN sCH1 connector to the male GREEN connector of crossover cable.
- Plug the female 4-pin WHITE sCH1 connector to the male WHITE connector of crossover cable.

With factory AMP:

(HRN-SR-CH1 v1.10) : Plug 4-pin connectors of sCH1 harness, GREEN to WHITE and WHITE to GREEN. Do not use crossover câbles.

(HRN-SR-CH1 v1.0 only):

- Modify WHITE crossover cable as shown in the diagram (cut and flip White and White/Black wires).
- Plug male side of each 4-pin SR-CH1 connector to crossover cable, matching color (see wiring diagram).
- Plug the female 4-pin GREEN sCH1 connector to the male WHITE connector of crossover cable.
- Plug the female 4-pin WHITE sCH1 connector to the male GREEN connector of crossover cable.

STEP 4

- Connect the factory radio harness to the SR-CH1 T-harness.

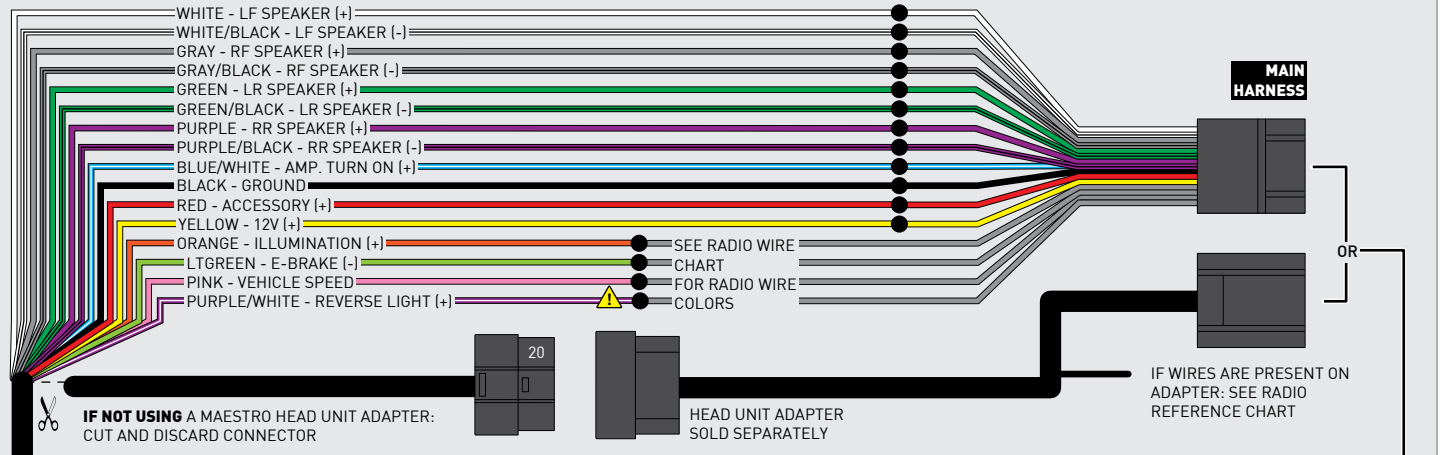
STEP 5

- Connect the SR-CH1 harness to the Maestro SR module.
- Connect the steering wheel control cable.

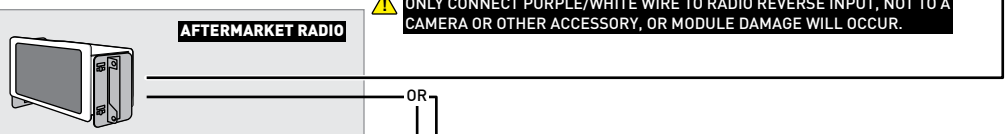
Test your installation.

WIRING DIAGRAM

STEP 1



STEP 2

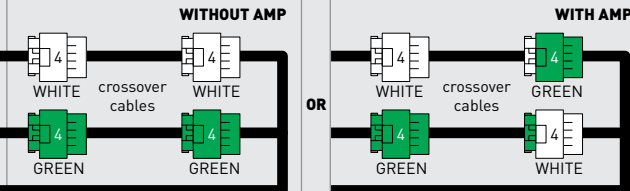


STEP 3

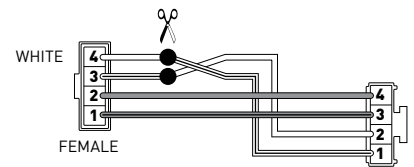
sCH1 HARNESS v1.10 + : PLUG WITHOUT USING CROSSOVER CABLES.

sCH1 HARNESS v1.00 ONLY

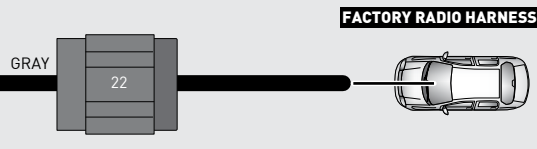
- 1- MODIFY WHITE CROSSOVER CABLE AS INDICATED TO THE RIGHT.
- 2- CONNECT CROSSOVER CABLES AS SHOWN BELOW.



sCH1 v1.00 ONLY : WHITE CROSSOVER CABLE MODIFICATION CUT + FLIP WHITE AND WHITE/BLACK WIRES.

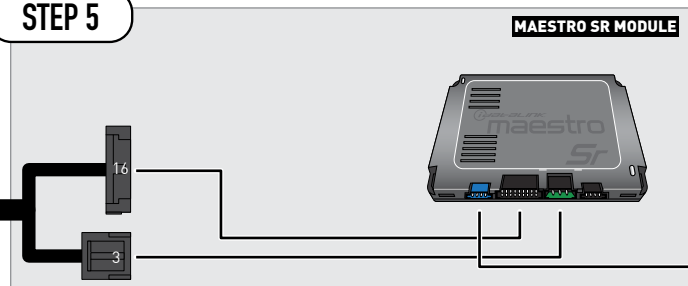


STEP 4



POC1 - User configurable output - set up during module programming if desired.
 POC2 - Low current negative (-350mA) polarity output used to trigger a relay.

STEP 5



NOT REQUIRED



RADIO WIRE REFERENCE CHART

CH1 T-harness Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/ JVC cable	Wire Color on Pioneer cable	Wire Color on Sony cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light*	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A

* Reverse light wire: Only connect to radio or module damage will occur.
Other brands, refer to aftermarket radio guide. Some radios may not be equipped with all wires listed.

Description	Polarity	Maestro Steering Wheel Control wire	Radio with Steering Wheel Control Port	*Alpine Radio With SWI1, SWI2, Ground Wires	JVC or Kenwood	*Other Radio Brands With SWI1, SWI2, Ground Wires OR Key1, Key2, Ground Wires
Maestro Steering Wheel Control Cable	(DATA)	3.5mm Jack	3.5mm SWC Input Port	Not Connected (secure the jack)	Not Connected (secure the jack)	Not Connected (secure the jack)
	(DATA)	Blue/Yellow Wire	Not Connected	SWI1 Input	Blue/Yellow Wire	SWI1 Input or Key1 Input

*Manually learn the buttons to the radio in the radio steering wheel control menu.

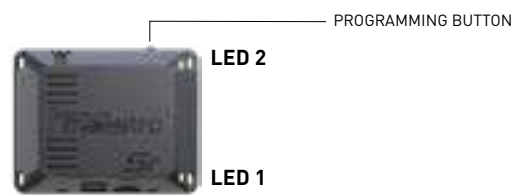
Head unit adapter wiring (optional accessory, sold separately)

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

ACC-HU-KEN1 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
CAM	(+)	Green/Red	Refer to camera/ radio manual
CAM	(-)	Green/White	Refer to camera/ radio manual
Steering Wheel Controls	(DATA)	Blue/Yellow	Blue/Yellow

ACC-HU-KEN2 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
E-Brake	(-)	LtGreen	LtGreen
Reverse Light*	(+)	Purple/White	Purple/White
Steering Wheel Controls	(DATA)	Blue/Yellow	Blue/Yellow

MODULE DIAGNOSTICS



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

TROUBLESHOOTING TABLE

PROBLEM	SOLUTION
Steering wheel controls do not work but LED on the Maestro does blink when steering wheel buttons are pressed.	<p>Verify the buttons are set up in the flash. If any button is set to "none" for "press once", it will do nothing. "Hold" column can be left as none and the "press once" function will operate with one press and when holding the button.</p> <p>Ensure the blue 4-pin steering wheel control cable is connected between the Maestro and the radio. The radio will use either the 3.5mm jack OR the blue/yellow wire, not both.</p> <p>Connect the 3.5mm jack from the Maestro blue 4-pin cable to the radio's 3.5mm port (labeled steering, remote, or wheel). If no such port exists, wire the blue/yellow to blue/yellow (Kenwood/JVC) or to the radio's Key 1 wire (brands not listed/other) and secure the 3.5mm jack. It will not be used.</p> <p>Refer to radio's owner's manual to verify if the radio has this function: Alpine models with button learning (SW11/2/GND wires on back of radio): Connect blue/yellow wire from the blue 4-pin to the radio's SW11 input. Manually learn the buttons to the radio in the radio steering wheel control menus. JVC/Kenwood - Steering Wheel Control (ON/OFF): choose ON Nakamichi - if model is listed, ensure PAC mode is on. If "other", learn the buttons in the radio steering wheel menu. Sony - Steering Wheel Control (Custom/Preset): choose Preset. If phone buttons do not operate properly, flash the module as Pioneer - 2009 and newer with BT. Then select "custom" instead of "preset" and learn the buttons in the radio menu. Other brands - radio should have a steering wheel menu to learn the buttons. You may have to select type A/B/C/1/2/3 and try learning again if buttons are not saving. Refer to radio manufacturer's tech support for further advice if not learning properly.</p>
The radio doesn't turn on. LED on the Maestro is not flashing.	<p>Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.</p> <p>If installing a modular radio and it is not turning on, ensure the screen is secured and any trim pieces on the radio have been installed fully.</p>
When making a phone call you cannot hear the call, but the caller can hear you.	Switch the 4-pin green and white connectors in the t-harness.
No sound.	Ensure blue/white wire from harness is connected to radio's amp turn on output. This is usually blue/white but varies by radio manufacturer. Verify speaker wire connections and 4 pin connectors (green and white).

MAESTRO SR RESET PROCEDURE:

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

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

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

RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER AND MORE!



+



**HEAD UNIT
ADAPTER READY**

PRODUCTS REQUIRED

iDataLink Maestro SR Radio Replacement Interface
iDataLink Maestro SR-CH1 Installation Harness

PROGRAMMED FIRMWARE: CH1-SR-AS


WELCOME

Congratulations on the purchase of your iDatalink Maestro SR 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 SR will only retain functionalities that were originally available in the vehicle.

NEED HELP?

 1 866 427-2999

 maestro.support@idatalink.com

ADDITIONAL INFORMATION AND ACCESSORIES

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

AVCH1
(A/V adapter for backup camera retention)

Installation, product information, vehicle specific videos.

[VIDEO HELP](#)



Last flash information, steering control configuration, vehicle information.

[VERIFY FLASH](#)



Software to program module.

[WEBLINK](#)



INSTALLATION INSTRUCTIONS P1/1

BEFORE INSTALLING

- Remove the factory radio.
- Access the main 22 pin factory radio connector **(2.1)** and determine if you have a factory amplifier.

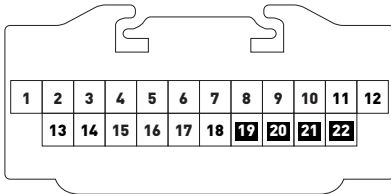


Fig. 2.1

If you don't have wires in PIN 19, 20, 21 and 22, you have a factory amplifier.

If you have wires in PIN 19, 20, 21 and 22, you don't have a factory amplifier

STEP 1

If using head unit adapter (sold separately), connect SR-CH1 harness to adapter and skip to step 2.

- Unbox the aftermarket radio and locate its main harness.
- Cut and remove the black 20 pin connector from the SR-CH1 T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the SR-CH1 T-harness and match the wire functions.

Note: Purple/white is a low current positive output used to trigger the radio only. Do NOT connect to anything other than the radio's reverse input. Refer to radio wire chart for radio's reverse light wire color.

If no camera is installed/desired, do not connect the radio's reverse wire. If installing an aftermarket camera, do NOT connect power for the camera to the Maestro's purple/white wire or module damage will occur.

STEP 2

- Plug the harnesses into the aftermarket radio.
- Connect the steering wheel control cable to the aftermarket radio. Connect either the blue/yellow wire (Kenwood/JVC or radios with SWI/KEY wires) or the 3.5mm to the steering control input of the radio (see Radio Wire Reference Chart for more details).

STEP 3

Without factory AMP:

(HRN-SR-CH1 v1.10) : Plug 4-pin connectors of sCH1 harness, WHITE to WHITE and GREEN to GREEN. Do not use crossover câbles.

(HRN-SR-CH1 v1.0 only):

- Modify WHITE crossover cable as shown in the diagram (cut and flip White and White/Black wires).
- Plug male side of each 4-pin SR-CH1 connector to crossover cable, matching color (see wiring diagram).
- Plug the female 4-pin GREEN sCH1 connector to the male GREEN connector of crossover cable.
- Plug the female 4-pin WHITE sCH1 connector to the male WHITE connector of crossover cable.

With factory AMP:

(HRN-SR-CH1 v1.10) : Plug 4-pin connectors of sCH1 harness, GREEN to WHITE and WHITE to GREEN. Do not use crossover câbles.

(HRN-SR-CH1 v1.0 only):

- Modify WHITE crossover cable as shown in the diagram (cut and flip White and White/Black wires).
- Plug male side of each 4-pin SR-CH1 connector to crossover cable, matching color (see wiring diagram).
- Plug the female 4-pin GREEN sCH1 connector to the male WHITE connector of crossover cable.
- Plug the female 4-pin WHITE sCH1 connector to the male GREEN connector of crossover cable.

STEP 4

- Connect the factory radio harness to the SR-CH1 T-harness.

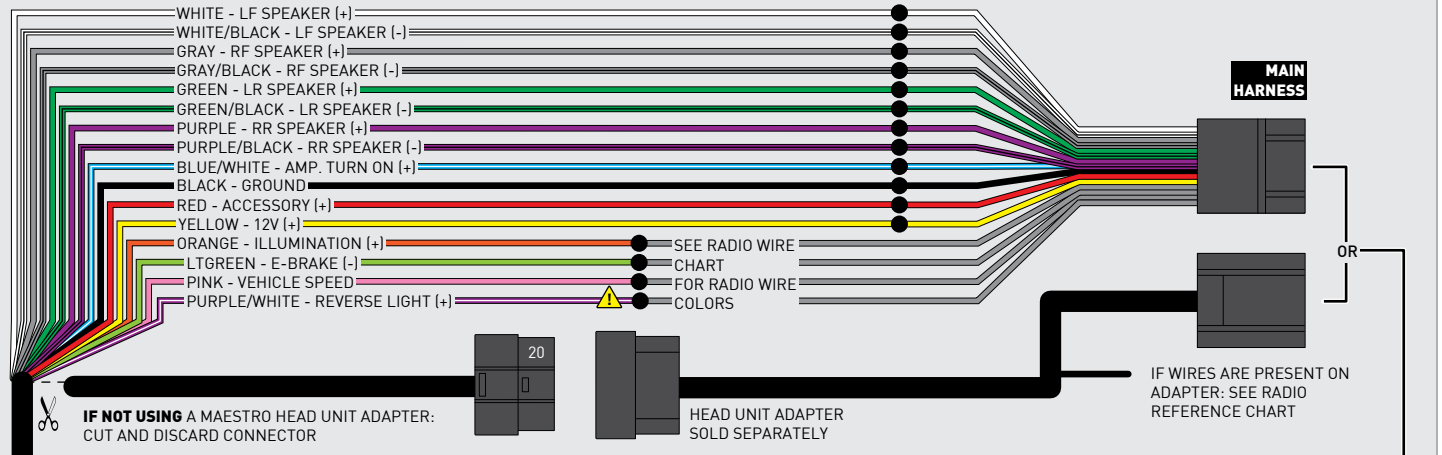
STEP 5

- Connect the SR-CH1 harness to the Maestro SR module.
- Connect the steering wheel control cable.

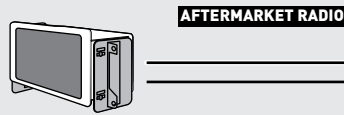
Test your installation.

WIRING DIAGRAM

STEP 1



STEP 2

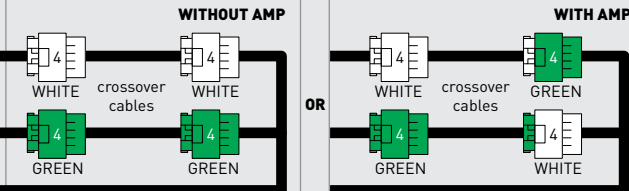


STEP 3

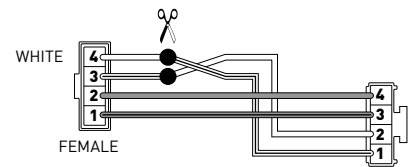
sCH1 HARNESS v1.10 + : PLUG WITHOUT USING CROSSOVER CABLES.

sCH1 HARNESS v1.00 ONLY

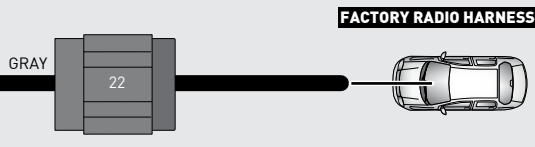
- 1- MODIFY WHITE CROSSOVER CABLE AS INDICATED TO THE RIGHT.
- 2- CONNECT CROSSOVER CABLES AS SHOWN BELOW.



sCH1 v1.00 ONLY : WHITE CROSSOVER CABLE MODIFICATION CUT + FLIP WHITE AND WHITE/BLACK WIRES.



STEP 4



AMP TURNON

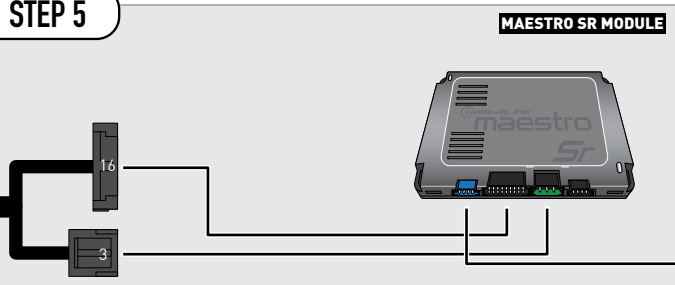
NC

POC1 -

POC2 -

User configurable output - set up during module programming if desired.
Low current negative (~350mA) polarity output used to trigger a relay.

STEP 5



NOT REQUIRED



RADIO WIRE REFERENCE CHART

CH1 T-harness Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/JVC cable	Wire Color on Pioneer cable	Wire Color on Sony cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light*	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A

* Reverse light wire: Only connect to radio or module damage will occur.
Other brands, refer to aftermarket radio guide. Some radios may not be equipped with all wires listed.

Description	Polarity	Maestro Steering Wheel Control wire	Radio with Steering Wheel Control Port	*Alpine Radio With SWI1, SWI2, Ground Wires	JVC or Kenwood	*Other Radio Brands With SWI1, SWI2, Ground Wires OR Key1, Key2, Ground Wires
Maestro Steering Wheel Control Cable	(DATA)	3.5mm Jack	3.5mm SWC Input Port	Not Connected (secure the jack)	Not Connected (secure the jack)	Not Connected (secure the jack)
	(DATA)	Blue/Yellow Wire	Not Connected	SWI1 Input	Blue/Yellow Wire	SWI1 Input or Key1 Input

*Manually learn the buttons to the radio in the radio steering wheel control menu.

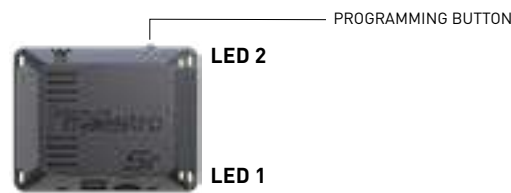
Head unit adapter wiring (optional accessory, sold separately)

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

ACC-HU-KEN1 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
CAM	(+)	Green/Red	Refer to camera/radio manual
CAM	(-)	Green/White	Refer to camera/radio manual
Steering Wheel Controls	(DATA)	Blue/Yellow	Blue/Yellow

ACC-HU-KEN2 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
E-Brake	(-)	LtGreen	LtGreen
Reverse Light*	(+)	Purple/White	Purple/White
Steering Wheel Controls	(DATA)	Blue/Yellow	Blue/Yellow

MODULE DIAGNOSTICS



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

TROUBLESHOOTING TABLE

PROBLEM	SOLUTION
Steering wheel controls do not work but LED on the Maestro does blink when steering wheel buttons are pressed.	<p>Verify the buttons are set up in the flash. If any button is set to "none" for "press once", it will do nothing. "Hold" column can be left as none and the "press once" function will operate with one press and when holding the button.</p> <p>Ensure the blue 4-pin steering wheel control cable is connected between the Maestro and the radio. The radio will use either the 3.5mm jack OR the blue/yellow wire, not both.</p> <p>Connect the 3.5mm jack from the Maestro blue 4-pin cable to the radio's 3.5mm port (labeled steering, remote, or wheel). If no such port exists, wire the blue/yellow to blue/yellow (Kenwood/JVC) or to the radio's Key 1 wire (brands not listed/other) and secure the 3.5mm jack. It will not be used.</p> <p>Refer to radio's owner's manual to verify if the radio has this function: Alpine models with button learning (SW11/2/GND wires on back of radio): Connect blue/yellow wire from the blue 4-pin to the radio's SW11 input. Manually learn the buttons to the radio in the radio steering wheel control menus. JVC/Kenwood - Steering Wheel Control (ON/OFF): choose ON Nakamichi - if model is listed, ensure PAC mode is on. If "other", learn the buttons in the radio steering wheel menu. Sony - Steering Wheel Control (Custom/Preset): choose Preset. If phone buttons do not operate properly, flash the module as Pioneer - 2009 and newer with BT. Then select "custom" instead of "preset" and learn the buttons in the radio menu. Other brands - radio should have a steering wheel menu to learn the buttons. You may have to select type A/B/C/1/2/3 and try learning again if buttons are not saving. Refer to radio manufacturer's tech support for further advice if not learning properly.</p>
The radio doesn't turn on. LED on the Maestro is not flashing.	<p>Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.</p> <p>If installing a modular radio and it is not turning on, ensure the screen is secured and any trim pieces on the radio have been installed fully.</p>
When making a phone call you cannot hear the call, but the caller can hear you.	Switch the 4-pin green and white connectors in the t-harness.
No sound.	Ensure blue/white wire from harness is connected to radio's amp turn on output. This is usually blue/white but varies by radio manufacturer. Verify speaker wire connections and 4 pin connectors (green and white).

MAESTRO SR RESET PROCEDURE:

Turn the key to the OFF position, then disconnect all connectors from the module.

Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).

Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds to show the reset was successful.

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

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

RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER AND MORE!



+



**HEAD UNIT
ADAPTER READY**

PRODUCTS REQUIRED

iDataLink Maestro SR Radio Replacement Interface
iDataLink Maestro SR-CH1 Installation Harness

PROGRAMMED FIRMWARE: CH1-SR-AS

WELCOME

Congratulations on the purchase of your iDatalink Maestro SR 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 SR will only retain functionalities that were originally available in the vehicle.

NEED HELP?

☎ 1 866 427-2999

✉ maestro.support@idatalink.com

ADDITIONAL INFORMATION AND ACCESSORIES

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

AVCH1
(A/V adapter for backup camera retention)

Installation, product information, vehicle specific videos.

[VIDEO HELP](#)



Last flash information, steering control configuration, vehicle information.

[VERIFY FLASH](#)



Software to program module.

[WEBLINK](#)



INSTALLATION INSTRUCTIONS P1/1

BEFORE INSTALLING

- Remove the factory radio.
- Access the main 22 pin factory radio connector (2.1) and determine if you have a factory amplifier.

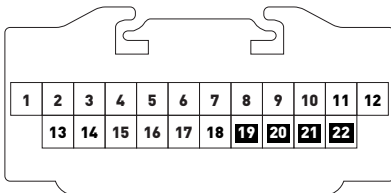


Fig. 2.1

If you don't have wires in PIN 19, 20, 21 and 22, you have a factory amplifier.

If you have wires in PIN 19, 20, 21 and 22, you don't have a factory amplifier

STEP 1

If using head unit adapter (sold separately), connect SR-CH1 harness to adapter and skip to step 2.

- Unbox the aftermarket radio and locate its main harness.
- Cut and remove the black 20 pin connector from the SR-CH1 T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the SR-CH1 T-harness and match the wire functions.

Note: Purple/white is a low current positive output used to trigger the radio only. Do NOT connect to anything other than the radio's reverse input. Refer to radio wire chart for radio's reverse light wire color.

If no camera is installed/desired, do not connect the radio's reverse wire. If installing an aftermarket camera, do NOT connect power for the camera to the Maestro's purple/white wire or module damage will occur.

STEP 2

- Plug the harnesses into the aftermarket radio.
- Connect the steering wheel control cable to the aftermarket radio. Connect either the blue/yellow wire (Kenwood/JVC or radios with SWI/KEY wires) or the 3.5mm to the steering control input of the radio (see Radio Wire Reference Chart for more details).

STEP 3

Without factory AMP:

(HRN-SR-CH1 v1.10) : Plug 4-pin connectors of sCH1 harness, WHITE to WHITE and GREEN to GREEN. Do not use crossover câbles.

(HRN-SR-CH1 v1.0 only):

- Modify WHITE crossover cable as shown in the diagram (cut and flip White and White/Black wires).
- Plug male side of each 4-pin SR-CH1 connector to crossover cable, matching color (see wiring diagram).
- Plug the female 4-pin GREEN sCH1 connector to the male GREEN connector of crossover cable.
- Plug the female 4-pin WHITE sCH1 connector to the male WHITE connector of crossover cable.

With factory AMP:

(HRN-SR-CH1 v1.10) : Plug 4-pin connectors of sCH1 harness, GREEN to WHITE and WHITE to GREEN. Do not use crossover câbles.

(HRN-SR-CH1 v1.0 only):

- Modify WHITE crossover cable as shown in the diagram (cut and flip White and White/Black wires).
- Plug male side of each 4-pin SR-CH1 connector to crossover cable, matching color (see wiring diagram).
- Plug the female 4-pin GREEN sCH1 connector to the male WHITE connector of crossover cable.
- Plug the female 4-pin WHITE sCH1 connector to the male GREEN connector of crossover cable.

STEP 4

- Connect the factory radio harness to the SR-CH1 T-harness.

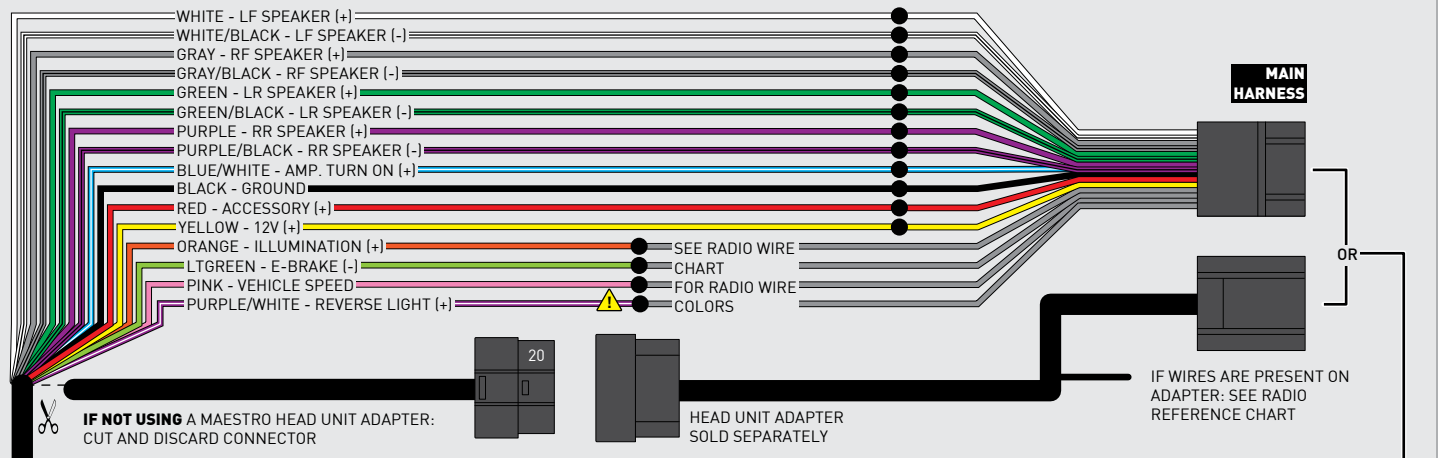
STEP 5

- Connect the SR-CH1 harness to the Maestro SR module.
- Connect the steering wheel control cable.

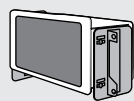
Test your installation.

WIRING DIAGRAM

STEP 1



STEP 2



AFTERMARKET RADIO

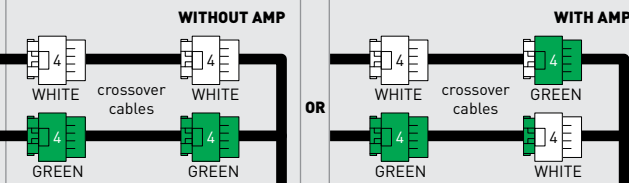
ONLY CONNECT PURPLE/WHITE WIRE TO RADIO REVERSE INPUT, NOT TO A CAMERA OR OTHER ACCESSORY, OR MODULE DAMAGE WILL OCCUR.

STEP 3

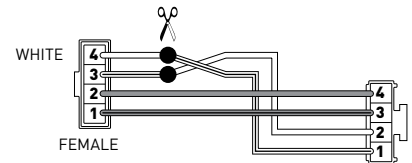
sCH1 HARNESS v1.10 + : PLUG WITHOUT USING CROSSOVER CABLES.

sCH1 HARNESS v1.00 ONLY

- 1- MODIFY WHITE CROSSOVER CABLE AS INDICATED TO THE RIGHT.
- 2- CONNECT CROSSOVER CABLES AS SHOWN BELOW.



sCH1 v1.00 ONLY : WHITE CROSSOVER CABLE MODIFICATION CUT + FLIP WHITE AND WHITE/BLACK WIRES.



STEP 4

FACTORY RADIO HARNESS



AMP TURNON

NC

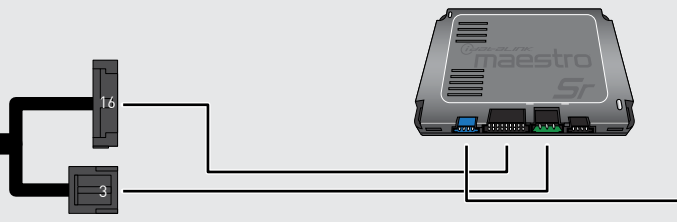
POC1 -

POC2 -

User configurable output - set up during module programming if desired.
 Low current negative (-350mA) polarity output used to trigger a relay.

STEP 5

MAESTRO SR MODULE



NOT REQUIRED



RADIO WIRE REFERENCE CHART

CH1 T-harness Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/ JVC cable	Wire Color on Pioneer cable	Wire Color on Sony cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light*	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A

* Reverse light wire: Only connect to radio or module damage will occur.
Other brands, refer to aftermarket radio guide. Some radios may not be equipped with all wires listed.

Description	Polarity	Maestro Steering Wheel Control wire	Radio with Steering Wheel Control Port	*Alpine Radio With SWI1, SWI2, Ground Wires	JVC or Kenwood	*Other Radio Brands With SWI1, SWI2, Ground Wires OR Key1, Key2, Ground Wires
Maestro Steering Wheel Control Cable	(DATA)	3.5mm Jack	3.5mm SWC Input Port	Not Connected (secure the jack)	Not Connected (secure the jack)	Not Connected (secure the jack)
	(DATA)	Blue/Yellow Wire	Not Connected	SWI1 Input	Blue/Yellow Wire	SWI1 Input or Key1 Input

*Manually learn the buttons to the radio in the radio steering wheel control menu.

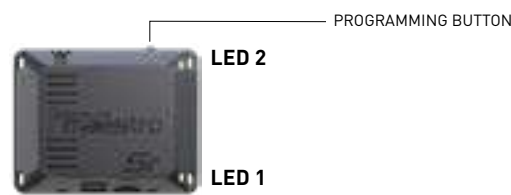
Head unit adapter wiring (optional accessory, sold separately)

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

ACC-HU-KEN1 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
CAM	(+)	Green/Red	Refer to camera/ radio manual
CAM	(-)	Green/White	Refer to camera/ radio manual
Steering Wheel Controls	(DATA)	Blue/Yellow	Blue/Yellow

ACC-HU-KEN2 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
E-Brake	(-)	LtGreen	LtGreen
Reverse Light*	(+)	Purple/White	Purple/White
Steering Wheel Controls	(DATA)	Blue/Yellow	Blue/Yellow

MODULE DIAGNOSTICS



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

TROUBLESHOOTING TABLE

PROBLEM	SOLUTION
Steering wheel controls do not work but LED on the Maestro does blink when steering wheel buttons are pressed.	<p>Verify the buttons are set up in the flash. If any button is set to "none" for "press once", it will do nothing. "Hold" column can be left as none and the "press once" function will operate with one press and when holding the button.</p> <p>Ensure the blue 4-pin steering wheel control cable is connected between the Maestro and the radio. The radio will use either the 3.5mm jack OR the blue/yellow wire, not both.</p> <p>Connect the 3.5mm jack from the Maestro blue 4-pin cable to the radio's 3.5mm port (labeled steering, remote, or wheel). If no such port exists, wire the blue/yellow to blue/yellow (Kenwood/JVC) or to the radio's Key 1 wire (brands not listed/other) and secure the 3.5mm jack. It will not be used.</p> <p>Refer to radio's owner's manual to verify if the radio has this function: Alpine models with button learning (SW11/2/GND wires on back of radio): Connect blue/yellow wire from the blue 4-pin to the radio's SW11 input. Manually learn the buttons to the radio in the radio steering wheel control menus. JVC/Kenwood - Steering Wheel Control (ON/OFF): choose ON Nakamichi - if model is listed, ensure PAC mode is on. If "other", learn the buttons in the radio steering wheel menu. Sony - Steering Wheel Control (Custom/Preset): choose Preset. If phone buttons do not operate properly, flash the module as Pioneer - 2009 and newer with BT. Then select "custom" instead of "preset" and learn the buttons in the radio menu. Other brands - radio should have a steering wheel menu to learn the buttons. You may have to select type A/B/C/1/2/3 and try learning again if buttons are not saving. Refer to radio manufacturer's tech support for further advice if not learning properly.</p>
The radio doesn't turn on. LED on the Maestro is not flashing.	<p>Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.</p> <p>If installing a modular radio and it is not turning on, ensure the screen is secured and any trim pieces on the radio have been installed fully.</p>
When making a phone call you cannot hear the call, but the caller can hear you.	Switch the 4-pin green and white connectors in the t-harness.
No sound.	Ensure blue/white wire from harness is connected to radio's amp turn on output. This is usually blue/white but varies by radio manufacturer. Verify speaker wire connections and 4 pin connectors (green and white).

MAESTRO SR RESET PROCEDURE:

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

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

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

RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER AND MORE!



+



**HEAD UNIT
ADAPTER READY**

PRODUCTS REQUIRED

iDataLink Maestro SR Radio Replacement Interface
iDataLink Maestro SR-CH1 Installation Harness

PROGRAMMED FIRMWARE: CH1-SR-AS

WELCOME

Congratulations on the purchase of your iDatalink Maestro SR 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 SR will only retain functionalities that were originally available in the vehicle.

NEED HELP?

☎ 1 866 427-2999

✉ maestro.support@idatalink.com

ADDITIONAL INFORMATION AND ACCESSORIES

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

AVCH1
(A/V adapter for backup camera retention)

Installation, product information, vehicle specific videos.

[VIDEO HELP](#)



Last flash information, steering control configuration, vehicle information.

[VERIFY FLASH](#)



Software to program module.

[WEBLINK](#)



INSTALLATION INSTRUCTIONS P1/1

BEFORE INSTALLING

- Remove the factory radio.
- Access the main 22 pin factory radio connector (2.1) and determine if you have a factory amplifier.

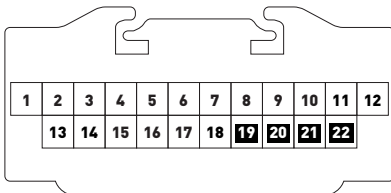


Fig. 2.1

If you don't have wires in PIN 19, 20, 21 and 22, you have a factory amplifier.

If you have wires in PIN 19, 20, 21 and 22, you don't have a factory amplifier

STEP 1

If using head unit adapter (sold separately), connect SR-CH1 harness to adapter and skip to step 2.

- Unbox the aftermarket radio and locate its main harness.
- Cut and remove the black 20 pin connector from the SR-CH1 T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the SR-CH1 T-harness and match the wire functions.

Note: Purple/white is a low current positive output used to trigger the radio only. Do NOT connect to anything other than the radio's reverse input. Refer to radio wire chart for radio's reverse light wire color.

If no camera is installed/desired, do not connect the radio's reverse wire. If installing an aftermarket camera, do NOT connect power for the camera to the Maestro's purple/white wire or module damage will occur.

STEP 2

- Plug the harnesses into the aftermarket radio.
- Connect the steering wheel control cable to the aftermarket radio. Connect either the blue/yellow wire (Kenwood/JVC or radios with SWI/KEY wires) or the 3.5mm to the steering control input of the radio (see Radio Wire Reference Chart for more details).

STEP 3

Without factory AMP:

(HRN-SR-CH1 v1.10) : Plug 4-pin connectors of sCH1 harness, WHITE to WHITE and GREEN to GREEN. Do not use crossover câbles.

(HRN-SR-CH1 v1.0 only):

- Modify WHITE crossover cable as shown in the diagram (cut and flip White and White/Black wires).
- Plug male side of each 4-pin SR-CH1 connector to crossover cable, matching color (see wiring diagram).
- Plug the female 4-pin GREEN sCH1 connector to the male GREEN connector of crossover cable.
- Plug the female 4-pin WHITE sCH1 connector to the male WHITE connector of crossover cable.

With factory AMP:

(HRN-SR-CH1 v1.10) : Plug 4-pin connectors of sCH1 harness, GREEN to WHITE and WHITE to GREEN. Do not use crossover câbles.

(HRN-SR-CH1 v1.0 only):

- Modify WHITE crossover cable as shown in the diagram (cut and flip White and White/Black wires).
- Plug male side of each 4-pin SR-CH1 connector to crossover cable, matching color (see wiring diagram).
- Plug the female 4-pin GREEN sCH1 connector to the male WHITE connector of crossover cable.
- Plug the female 4-pin WHITE sCH1 connector to the male GREEN connector of crossover cable.

STEP 4

- Connect the factory radio harness to the SR-CH1 T-harness.

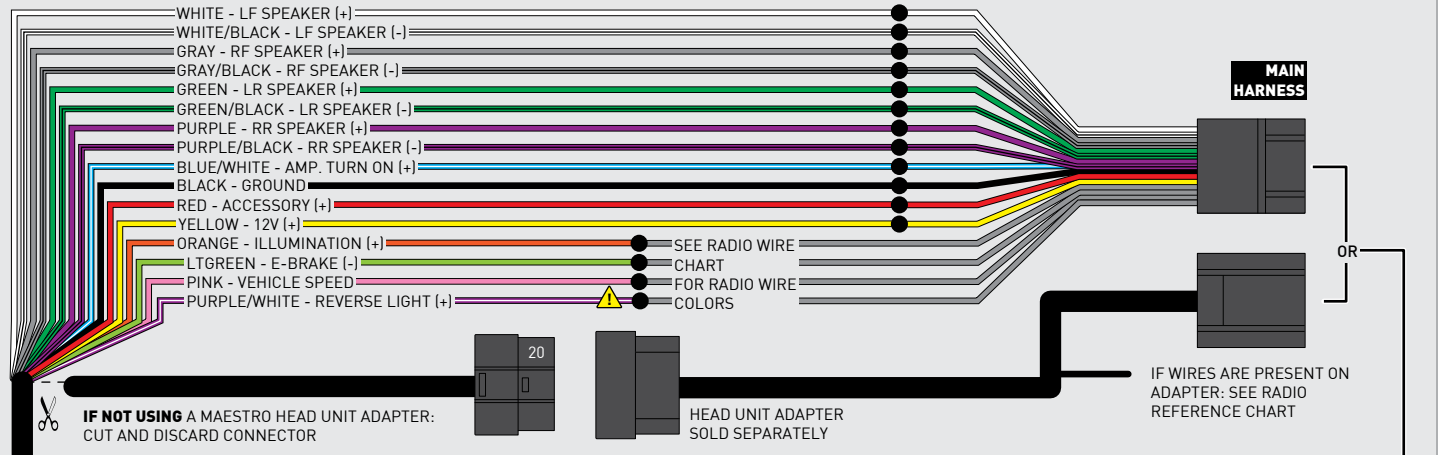
STEP 5

- Connect the SR-CH1 harness to the Maestro SR module.
- Connect the steering wheel control cable.

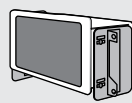
Test your installation.

WIRING DIAGRAM

STEP 1



STEP 2



AFTERMARKET RADIO

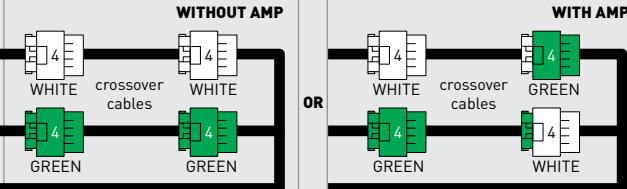
ONLY CONNECT PURPLE/WHITE WIRE TO RADIO REVERSE INPUT, NOT TO A CAMERA OR OTHER ACCESSORY, OR MODULE DAMAGE WILL OCCUR.

STEP 3

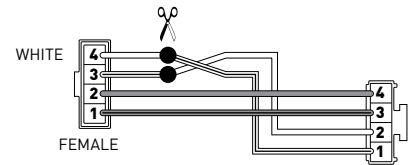
sCH1 HARNESS v1.10 + : PLUG WITHOUT USING CROSSOVER CABLES.

sCH1 HARNESS v1.00 ONLY

- 1- MODIFY WHITE CROSSOVER CABLE AS INDICATED TO THE RIGHT.
- 2- CONNECT CROSSOVER CABLES AS SHOWN BELOW.



sCH1 v1.00 ONLY : WHITE CROSSOVER CABLE MODIFICATION
CUT + FLIP WHITE AND WHITE/BLACK WIRES.



STEP 4

FACTORY RADIO HARNESS



AMP TURNON

NC

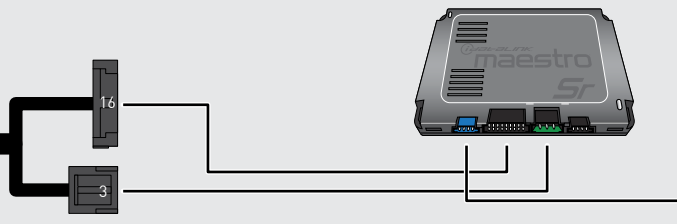
POC1 -

POC2 -

User configurable output - set up during module programming if desired.
Low current negative (~350mA) polarity output used to trigger a relay.

STEP 5

MAESTRO SR MODULE



NOT REQUIRED



RADIO WIRE REFERENCE CHART

CH1 T-harness Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/ JVC cable	Wire Color on Pioneer cable	Wire Color on Sony cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light*	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A

* Reverse light wire: Only connect to radio or module damage will occur.
Other brands, refer to aftermarket radio guide. Some radios may not be equipped with all wires listed.

Description	Polarity	Maestro Steering Wheel Control wire	Radio with Steering Wheel Control Port	*Alpine Radio With SWI1, SWI2, Ground Wires	JVC or Kenwood	*Other Radio Brands With SWI1, SWI2, Ground Wires OR Key1, Key2, Ground Wires
Maestro Steering Wheel Control Cable	(DATA)	3.5mm Jack	3.5mm SWC Input Port	Not Connected (secure the jack)	Not Connected (secure the jack)	Not Connected (secure the jack)
	(DATA)	Blue/Yellow Wire	Not Connected	SWI1 Input	Blue/Yellow Wire	SWI1 Input or Key1 Input

*Manually learn the buttons to the radio in the radio steering wheel control menu.

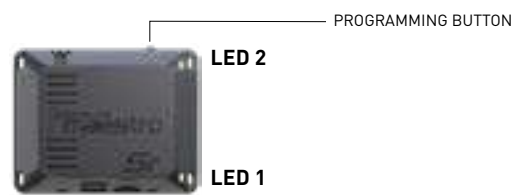
Head unit adapter wiring (optional accessory, sold separately)

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

ACC-HU-KEN1 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
CAM	(+)	Green/Red	Refer to camera/ radio manual
CAM	(-)	Green/White	Refer to camera/ radio manual
Steering Wheel Controls	(DATA)	Blue/Yellow	Blue/Yellow

ACC-HU-KEN2 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
E-Brake	(-)	LtGreen	LtGreen
Reverse Light*	(+)	Purple/White	Purple/White
Steering Wheel Controls	(DATA)	Blue/Yellow	Blue/Yellow

MODULE DIAGNOSTICS



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

TROUBLESHOOTING TABLE

PROBLEM	SOLUTION
Steering wheel controls do not work but LED on the Maestro does blink when steering wheel buttons are pressed.	<p>Verify the buttons are set up in the flash. If any button is set to "none" for "press once", it will do nothing. "Hold" column can be left as none and the "press once" function will operate with one press and when holding the button.</p> <p>Ensure the blue 4-pin steering wheel control cable is connected between the Maestro and the radio. The radio will use either the 3.5mm jack OR the blue/yellow wire, not both.</p> <p>Connect the 3.5mm jack from the Maestro blue 4-pin cable to the radio's 3.5mm port (labeled steering, remote, or wheel). If no such port exists, wire the blue/yellow to blue/yellow (Kenwood/JVC) or to the radio's Key 1 wire (brands not listed/other) and secure the 3.5mm jack. It will not be used.</p> <p>Refer to radio's owner's manual to verify if the radio has this function: Alpine models with button learning (SW11/2/GND wires on back of radio): Connect blue/yellow wire from the blue 4-pin to the radio's SW11 input. Manually learn the buttons to the radio in the radio steering wheel control menus. JVC/Kenwood - Steering Wheel Control (ON/OFF): choose ON Nakamichi - if model is listed, ensure PAC mode is on. If "other", learn the buttons in the radio steering wheel menu. Sony - Steering Wheel Control (Custom/Preset): choose Preset. If phone buttons do not operate properly, flash the module as Pioneer - 2009 and newer with BT. Then select "custom" instead of "preset" and learn the buttons in the radio menu. Other brands - radio should have a steering wheel menu to learn the buttons. You may have to select type A/B/C/1/2/3 and try learning again if buttons are not saving. Refer to radio manufacturer's tech support for further advice if not learning properly.</p>
The radio doesn't turn on. LED on the Maestro is not flashing.	<p>Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.</p> <p>If installing a modular radio and it is not turning on, ensure the screen is secured and any trim pieces on the radio have been installed fully.</p>
When making a phone call you cannot hear the call, but the caller can hear you.	Switch the 4-pin green and white connectors in the t-harness.
No sound.	Ensure blue/white wire from harness is connected to radio's amp turn on output. This is usually blue/white but varies by radio manufacturer. Verify speaker wire connections and 4 pin connectors (green and white).

MAESTRO SR RESET PROCEDURE:

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

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

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

RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER AND MORE!



+



**HEAD UNIT
ADAPTER READY**

PRODUCTS REQUIRED

iDataLink Maestro SR Radio Replacement Interface
iDataLink Maestro SR-CH1 Installation Harness

PROGRAMMED FIRMWARE: CH1-SR-AS

WELCOME

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

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

NEED HELP?

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✉ maestro.support@idatalink.com

ADDITIONAL INFORMATION AND ACCESSORIES

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

AVCH1
(A/V adapter for backup camera retention)

Installation, product information, vehicle specific videos.

[VIDEO HELP](#)



Last flash information, steering control configuration, vehicle information.

[VERIFY FLASH](#)



Software to program module.

[WEBLINK](#)



INSTALLATION INSTRUCTIONS P1/1

BEFORE INSTALLING

- Remove the factory radio.
- Access the main 22 pin factory radio connector (2.1) and determine if you have a factory amplifier.

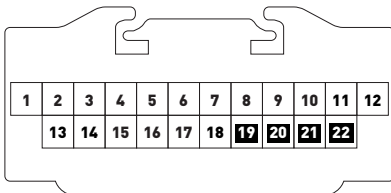


Fig. 2.1

If you don't have wires in PIN 19, 20, 21 and 22, you have a factory amplifier.

If you have wires in PIN 19, 20, 21 and 22, you don't have a factory amplifier

STEP 1

If using head unit adapter (sold separately), connect SR-CH1 harness to adapter and skip to step 2.

- Unbox the aftermarket radio and locate its main harness.
- Cut and remove the black 20 pin connector from the SR-CH1 T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the SR-CH1 T-harness and match the wire functions.

Note: Purple/white is a low current positive output used to trigger the radio only. Do NOT connect to anything other than the radio's reverse input. Refer to radio wire chart for radio's reverse light wire color.

If no camera is installed/desired, do not connect the radio's reverse wire. If installing an aftermarket camera, do NOT connect power for the camera to the Maestro's purple/white wire or module damage will occur.

STEP 2

- Plug the harnesses into the aftermarket radio.
- Connect the steering wheel control cable to the aftermarket radio. Connect either the blue/yellow wire (Kenwood/JVC or radios with SWI/KEY wires) or the 3.5mm to the steering control input of the radio (see Radio Wire Reference Chart for more details).

STEP 3

Without factory AMP:

(HRN-SR-CH1 v1.10) : Plug 4-pin connectors of sCH1 harness, WHITE to WHITE and GREEN to GREEN. Do not use crossover câbles.

(HRN-SR-CH1 v1.0 only):

- Modify WHITE crossover cable as shown in the diagram (cut and flip White and White/Black wires).
- Plug male side of each 4-pin SR-CH1 connector to crossover cable, matching color (see wiring diagram).
- Plug the female 4-pin GREEN sCH1 connector to the male GREEN connector of crossover cable.
- Plug the female 4-pin WHITE sCH1 connector to the male WHITE connector of crossover cable.

With factory AMP:

(HRN-SR-CH1 v1.10) : Plug 4-pin connectors of sCH1 harness, GREEN to WHITE and WHITE to GREEN. Do not use crossover câbles.

(HRN-SR-CH1 v1.0 only):

- Modify WHITE crossover cable as shown in the diagram (cut and flip White and White/Black wires).
- Plug male side of each 4-pin SR-CH1 connector to crossover cable, matching color (see wiring diagram).
- Plug the female 4-pin GREEN sCH1 connector to the male WHITE connector of crossover cable.
- Plug the female 4-pin WHITE sCH1 connector to the male GREEN connector of crossover cable.

STEP 4

- Connect the factory radio harness to the SR-CH1 T-harness.

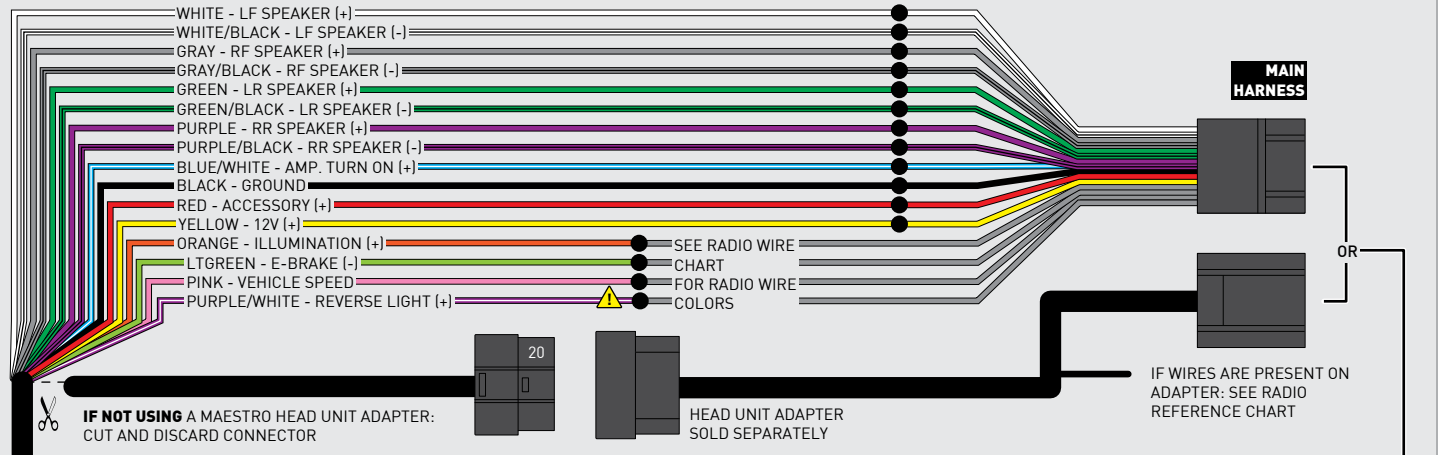
STEP 5

- Connect the SR-CH1 harness to the Maestro SR module.
- Connect the steering wheel control cable.

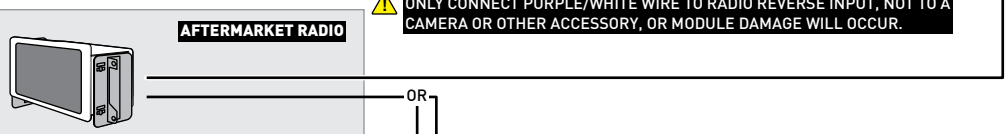
Test your installation.

WIRING DIAGRAM

STEP 1



STEP 2

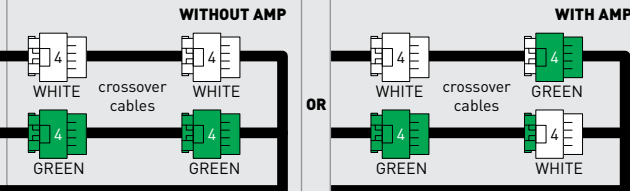


STEP 3

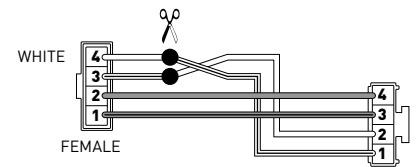
sCH1 HARNESS v1.10 + : PLUG WITHOUT USING CROSSOVER CABLES.

sCH1 HARNESS v1.00 ONLY

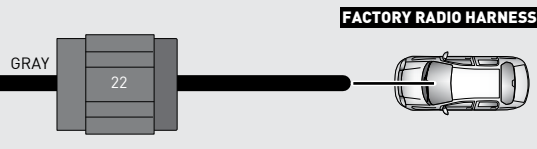
- 1- MODIFY WHITE CROSSOVER CABLE AS INDICATED TO THE RIGHT.
- 2- CONNECT CROSSOVER CABLES AS SHOWN BELOW.



sCH1 v1.00 ONLY : WHITE CROSSOVER CABLE MODIFICATION
CUT + FLIP WHITE AND WHITE/BLACK WIRES.



STEP 4



AMP TURNON

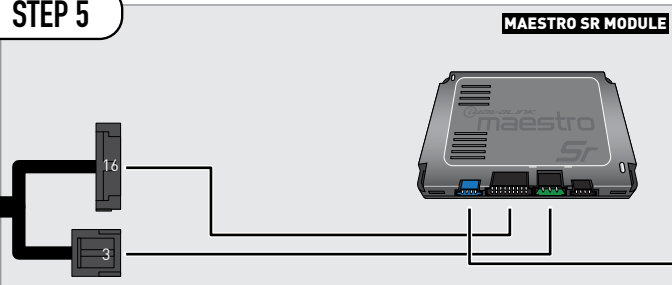
NC

POC1 -

POC2 -

User configurable output - set up during module programming if desired.
Low current negative (-350mA) polarity output used to trigger a relay.

STEP 5



NOT REQUIRED



RADIO WIRE REFERENCE CHART

CH1 T-harness Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/ JVC cable	Wire Color on Pioneer cable	Wire Color on Sony cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light*	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A

* Reverse light wire: Only connect to radio or module damage will occur.
Other brands, refer to aftermarket radio guide. Some radios may not be equipped with all wires listed.

Description	Polarity	Maestro Steering Wheel Control wire	Radio with Steering Wheel Control Port	*Alpine Radio With SWI1, SWI2, Ground Wires	JVC or Kenwood	*Other Radio Brands With SWI1, SWI2, Ground Wires OR Key1, Key2, Ground Wires
Maestro Steering Wheel Control Cable	(DATA)	3.5mm Jack	3.5mm SWC Input Port	Not Connected (secure the jack)	Not Connected (secure the jack)	Not Connected (secure the jack)
	(DATA)	Blue/Yellow Wire	Not Connected	SWI1 Input	Blue/Yellow Wire	SWI1 Input or Key1 Input

*Manually learn the buttons to the radio in the radio steering wheel control menu.

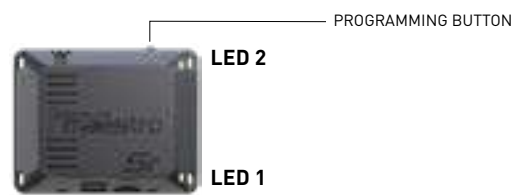
Head unit adapter wiring (optional accessory, sold separately)

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

ACC-HU-KEN1 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
CAM	(+)	Green/Red	Refer to camera/ radio manual
CAM	(-)	Green/White	Refer to camera/ radio manual
Steering Wheel Controls	(DATA)	Blue/Yellow	Blue/Yellow

ACC-HU-KEN2 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
E-Brake	(-)	LtGreen	LtGreen
Reverse Light*	(+)	Purple/White	Purple/White
Steering Wheel Controls	(DATA)	Blue/Yellow	Blue/Yellow

MODULE DIAGNOSTICS



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

TROUBLESHOOTING TABLE

PROBLEM	SOLUTION
Steering wheel controls do not work but LED on the Maestro does blink when steering wheel buttons are pressed.	<p>Verify the buttons are set up in the flash. If any button is set to "none" for "press once", it will do nothing. "Hold" column can be left as none and the "press once" function will operate with one press and when holding the button.</p> <p>Ensure the blue 4-pin steering wheel control cable is connected between the Maestro and the radio. The radio will use either the 3.5mm jack OR the blue/yellow wire, not both.</p> <p>Connect the 3.5mm jack from the Maestro blue 4-pin cable to the radio's 3.5mm port (labeled steering, remote, or wheel). If no such port exists, wire the blue/yellow to blue/yellow (Kenwood/JVC) or to the radio's Key 1 wire (brands not listed/other) and secure the 3.5mm jack. It will not be used.</p> <p>Refer to radio's owner's manual to verify if the radio has this function: Alpine models with button learning (SW11/2/GND wires on back of radio): Connect blue/yellow wire from the blue 4-pin to the radio's SW11 input. Manually learn the buttons to the radio in the radio steering wheel control menus. JVC/Kenwood - Steering Wheel Control (ON/OFF): choose ON Nakamichi - if model is listed, ensure PAC mode is on. If "other", learn the buttons in the radio steering wheel menu. Sony - Steering Wheel Control (Custom/Preset): choose Preset. If phone buttons do not operate properly, flash the module as Pioneer - 2009 and newer with BT. Then select "custom" instead of "preset" and learn the buttons in the radio menu. Other brands - radio should have a steering wheel menu to learn the buttons. You may have to select type A/B/C/1/2/3 and try learning again if buttons are not saving. Refer to radio manufacturer's tech support for further advice if not learning properly.</p>
The radio doesn't turn on. LED on the Maestro is not flashing.	<p>Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.</p> <p>If installing a modular radio and it is not turning on, ensure the screen is secured and any trim pieces on the radio have been installed fully.</p>
When making a phone call you cannot hear the call, but the caller can hear you.	Switch the 4-pin green and white connectors in the t-harness.
No sound.	Ensure blue/white wire from harness is connected to radio's amp turn on output. This is usually blue/white but varies by radio manufacturer. Verify speaker wire connections and 4 pin connectors (green and white).

MAESTRO SR 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

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RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER AND MORE!



+



**HEAD UNIT
ADAPTER READY**

PRODUCTS REQUIRED

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iDataLink Maestro SR-CH1 Installation Harness

PROGRAMMED FIRMWARE: CH1-SR-AS


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NEED HELP?

 1 866 427-2999

 maestro.support@idatalink.com

ADDITIONAL INFORMATION AND ACCESSORIES

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

AVCH1

(A/V adapter for backup camera retention and rear seat entertainment system)

Installation, product information, vehicle specific videos.

[VIDEO HELP](#)



Last flash information, steering control configuration, vehicle information.

[VERIFY FLASH](#)



Software to program module.

[WEBLINK](#)



INSTALLATION INSTRUCTIONS P1/1

BEFORE INSTALLING

- Remove the factory radio.
- Access the main 22 pin factory radio connector **(2.1)** and determine if you have a factory amplifier.

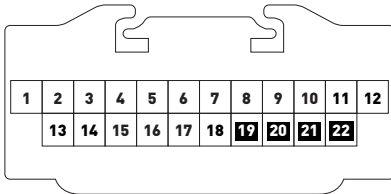


Fig. 2.1

If you don't have wires in PIN 19, 20, 21 and 22, you have a factory amplifier.

If you have wires in PIN 19, 20, 21 and 22, you don't have a factory amplifier

STEP 1

If using head unit adapter (sold separately), connect SR-CH1 harness to adapter and skip to step 2.

- Unbox the aftermarket radio and locate its main harness.
- Cut and remove the black 20 pin connector from the SR-CH1 T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the SR-CH1 T-harness and match the wire functions.

Note: Purple/white is a low current positive output used to trigger the radio only. Do NOT connect to anything other than the radio's reverse input. Refer to radio wire chart for radio's reverse light wire color.

If no camera is installed/desired, do not connect the radio's reverse wire. If installing an aftermarket camera, do NOT connect power for the camera to the Maestro's purple/white wire or module damage will occur.

STEP 2

- Plug the harnesses into the aftermarket radio.
- Connect the steering wheel control cable to the aftermarket radio. Connect either the blue/yellow wire (Kenwood/JVC or radios with SWI/KEY wires) or the 3.5mm to the steering control input of the radio (see Radio Wire Reference Chart for more details).

STEP 3

Without factory AMP:

(HRN-SR-CH1 v1.10) : Plug 4-pin connectors of sCH1 harness, WHITE to WHITE and GREEN to GREEN. Do not use crossover câbles.

(HRN-SR-CH1 v1.0 only):

- Modify WHITE crossover cable as shown in the diagram (cut and flip White and White/Black wires).
- Plug male side of each 4-pin SR-CH1 connector to crossover cable, matching color (see wiring diagram).
- Plug the female 4-pin GREEN sCH1 connector to the male GREEN connector of crossover cable.
- Plug the female 4-pin WHITE sCH1 connector to the male WHITE connector of crossover cable.

With factory AMP:

(HRN-SR-CH1 v1.10) : Plug 4-pin connectors of sCH1 harness, GREEN to WHITE and WHITE to GREEN. Do not use crossover câbles.

(HRN-SR-CH1 v1.0 only):

- Modify WHITE crossover cable as shown in the diagram (cut and flip White and White/Black wires).
- Plug male side of each 4-pin SR-CH1 connector to crossover cable, matching color (see wiring diagram).
- Plug the female 4-pin GREEN sCH1 connector to the male WHITE connector of crossover cable.
- Plug the female 4-pin WHITE sCH1 connector to the male GREEN connector of crossover cable.

STEP 4

- Connect the factory radio harness to the SR-CH1 T-harness.

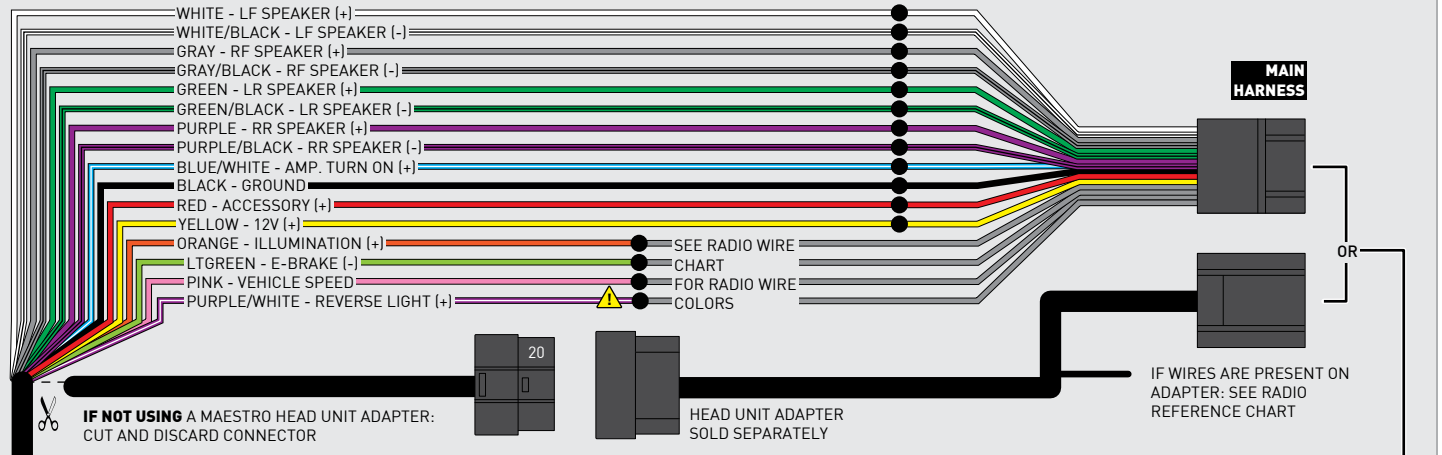
STEP 5

- Connect the SR-CH1 harness to the Maestro SR module.
- Connect the steering wheel control cable.

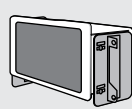
Test your installation.

WIRING DIAGRAM

STEP 1



STEP 2



AFTERMARKET RADIO

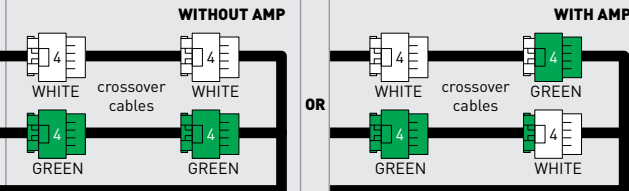
ONLY CONNECT PURPLE/WHITE WIRE TO RADIO REVERSE INPUT, NOT TO A CAMERA OR OTHER ACCESSORY, OR MODULE DAMAGE WILL OCCUR.

STEP 3

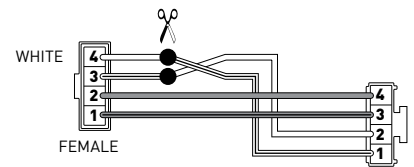
sCH1 HARNESS v1.10 + : PLUG WITHOUT USING CROSSOVER CABLES.

sCH1 HARNESS v1.00 ONLY

- 1- MODIFY WHITE CROSSOVER CABLE AS INDICATED TO THE RIGHT.
- 2- CONNECT CROSSOVER CABLES AS SHOWN BELOW.



sCH1 v1.00 ONLY : WHITE CROSSOVER CABLE MODIFICATION
CUT + FLIP WHITE AND WHITE/BLACK WIRES.



STEP 4

FACTORY RADIO HARNESS

GRAY

22

AMP TURNON

NC

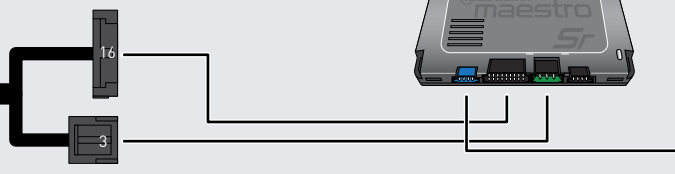
POC1 -

POC2 -

User configurable output - set up during module programming if desired.
Low current negative (~350mA) polarity output used to trigger a relay.

STEP 5

MAESTRO SR MODULE



NOT REQUIRED



RADIO WIRE REFERENCE CHART

CH1 T-harness Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/ JVC cable	Wire Color on Pioneer cable	Wire Color on Sony cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light*	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A

* Reverse light wire: Only connect to radio or module damage will occur.
Other brands, refer to aftermarket radio guide. Some radios may not be equipped with all wires listed.

Description	Polarity	Maestro Steering Wheel Control wire	Radio with Steering Wheel Control Port	*Alpine Radio With SWI1, SWI2, Ground Wires	JVC or Kenwood	*Other Radio Brands With SWI1, SWI2, Ground Wires OR Key1, Key2, Ground Wires
Maestro Steering Wheel Control Cable	(DATA)	3.5mm Jack	3.5mm SWC Input Port	Not Connected (secure the jack)	Not Connected (secure the jack)	Not Connected (secure the jack)
	(DATA)	Blue/Yellow Wire	Not Connected	SWI1 Input	Blue/Yellow Wire	SWI1 Input or Key1 Input

*Manually learn the buttons to the radio in the radio steering wheel control menu.

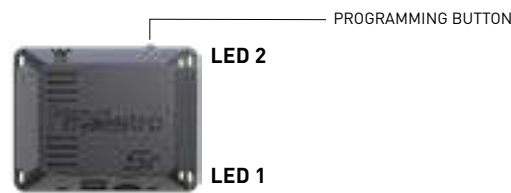
Head unit adapter wiring (optional accessory, sold separately)

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

ACC-HU-KEN1 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
CAM	(+)	Green/Red	Refer to camera/ radio manual
CAM	(-)	Green/White	Refer to camera/ radio manual
Steering Wheel Controls	(DATA)	Blue/Yellow	Blue/Yellow

ACC-HU-KEN2 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
E-Brake	(-)	LtGreen	LtGreen
Reverse Light*	(+)	Purple/White	Purple/White
Steering Wheel Controls	(DATA)	Blue/Yellow	Blue/Yellow

MODULE DIAGNOSTICS



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

TROUBLESHOOTING TABLE

PROBLEM	SOLUTION
Steering wheel controls do not work but LED on the Maestro does blink when steering wheel buttons are pressed.	<p>Verify the buttons are set up in the flash. If any button is set to "none" for "press once", it will do nothing. "Hold" column can be left as none and the "press once" function will operate with one press and when holding the button.</p> <p>Ensure the blue 4-pin steering wheel control cable is connected between the Maestro and the radio. The radio will use either the 3.5mm jack OR the blue/yellow wire, not both.</p> <p>Connect the 3.5mm jack from the Maestro blue 4-pin cable to the radio's 3.5mm port (labeled steering, remote, or wheel). If no such port exists, wire the blue/yellow to blue/yellow (Kenwood/JVC) or to the radio's Key 1 wire (brands not listed/other) and secure the 3.5mm jack. It will not be used.</p> <p>Refer to radio's owner's manual to verify if the radio has this function: Alpine models with button learning (SW11/2/GND wires on back of radio): Connect blue/yellow wire from the blue 4-pin to the radio's SW11 input. Manually learn the buttons to the radio in the radio steering wheel control menus. JVC/Kenwood - Steering Wheel Control (ON/OFF): choose ON Nakamichi - if model is listed, ensure PAC mode is on. If "other", learn the buttons in the radio steering wheel menu. Sony - Steering Wheel Control (Custom/Preset): choose Preset. If phone buttons do not operate properly, flash the module as Pioneer - 2009 and newer with BT. Then select "custom" instead of "preset" and learn the buttons in the radio menu. Other brands - radio should have a steering wheel menu to learn the buttons. You may have to select type A/B/C/1/2/3 and try learning again if buttons are not saving. Refer to radio manufacturer's tech support for further advice if not learning properly.</p>
The radio doesn't turn on. LED on the Maestro is not flashing.	<p>Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.</p> <p>If installing a modular radio and it is not turning on, ensure the screen is secured and any trim pieces on the radio have been installed fully.</p>
When making a phone call you cannot hear the call, but the caller can hear you.	Switch the 4-pin green and white connectors in the t-harness.
No sound.	Ensure blue/white wire from harness is connected to radio's amp turn on output. This is usually blue/white but varies by radio manufacturer. Verify speaker wire connections and 4 pin connectors (green and white).

MAESTRO SR RESET PROCEDURE:

Turn the key to the OFF position, then disconnect all connectors from the module.

Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).

Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds to show the reset was successful.

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

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

RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER AND MORE!



+



**HEAD UNIT
ADAPTER READY**

PRODUCTS REQUIRED

iDataLink Maestro SR Radio Replacement Interface
iDataLink Maestro SR-CH1 Installation Harness

PROGRAMMED FIRMWARE: CH1-SR-AS


WELCOME

Congratulations on the purchase of your iDatalink Maestro SR 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 SR will only retain functionalities that were originally available in the vehicle.

NEED HELP?

 1 866 427-2999

 maestro.support@idatalink.com

ADDITIONAL INFORMATION AND ACCESSORIES

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

AVCH1
(A/V adapter for backup camera retention)

Installation, product information, vehicle specific videos.

[VIDEO HELP](#)



Last flash information, steering control configuration, vehicle information.

[VERIFY FLASH](#)



Software to program module.

[WEBLINK](#)



INSTALLATION INSTRUCTIONS P1/1

BEFORE INSTALLING

- Remove the factory radio.
- Access the main 22 pin factory radio connector **(2.1)** and determine if you have a factory amplifier.

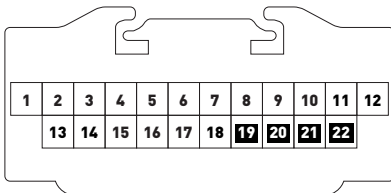


Fig. 2.1

If you don't have wires in PIN 19, 20, 21 and 22, you have a factory amplifier.

If you have wires in PIN 19, 20, 21 and 22, you don't have a factory amplifier

STEP 1

If using head unit adapter (sold separately), connect SR-CH1 harness to adapter and skip to step 2.

- Unbox the aftermarket radio and locate its main harness.
- Cut and remove the black 20 pin connector from the SR-CH1 T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the SR-CH1 T-harness and match the wire functions.

Note: Purple/white is a low current positive output used to trigger the radio only. Do NOT connect to anything other than the radio's reverse input. Refer to radio wire chart for radio's reverse light wire color.

If no camera is installed/desired, do not connect the radio's reverse wire. If installing an aftermarket camera, do NOT connect power for the camera to the Maestro's purple/white wire or module damage will occur.

STEP 2

- Plug the harnesses into the aftermarket radio.
- Connect the steering wheel control cable to the aftermarket radio. Connect either the blue/yellow wire (Kenwood/JVC or radios with SWI/KEY wires) or the 3.5mm to the steering control input of the radio (see Radio Wire Reference Chart for more details).

STEP 3

Without factory AMP:

(HRN-SR-CH1 v1.10) : Plug 4-pin connectors of sCH1 harness, WHITE to WHITE and GREEN to GREEN. Do not use crossover câbles.

(HRN-SR-CH1 v1.0 only):

- Modify WHITE crossover cable as shown in the diagram (cut and flip White and White/Black wires).
- Plug male side of each 4-pin SR-CH1 connector to crossover cable, matching color (see wiring diagram).
- Plug the female 4-pin GREEN sCH1 connector to the male GREEN connector of crossover cable.
- Plug the female 4-pin WHITE sCH1 connector to the male WHITE connector of crossover cable.

With factory AMP:

(HRN-SR-CH1 v1.10) : Plug 4-pin connectors of sCH1 harness, GREEN to WHITE and WHITE to GREEN. Do not use crossover câbles.

(HRN-SR-CH1 v1.0 only):

- Modify WHITE crossover cable as shown in the diagram (cut and flip White and White/Black wires).
- Plug male side of each 4-pin SR-CH1 connector to crossover cable, matching color (see wiring diagram).
- Plug the female 4-pin GREEN sCH1 connector to the male WHITE connector of crossover cable.
- Plug the female 4-pin WHITE sCH1 connector to the male GREEN connector of crossover cable.

STEP 4

- Connect the factory radio harness to the SR-CH1 T-harness.

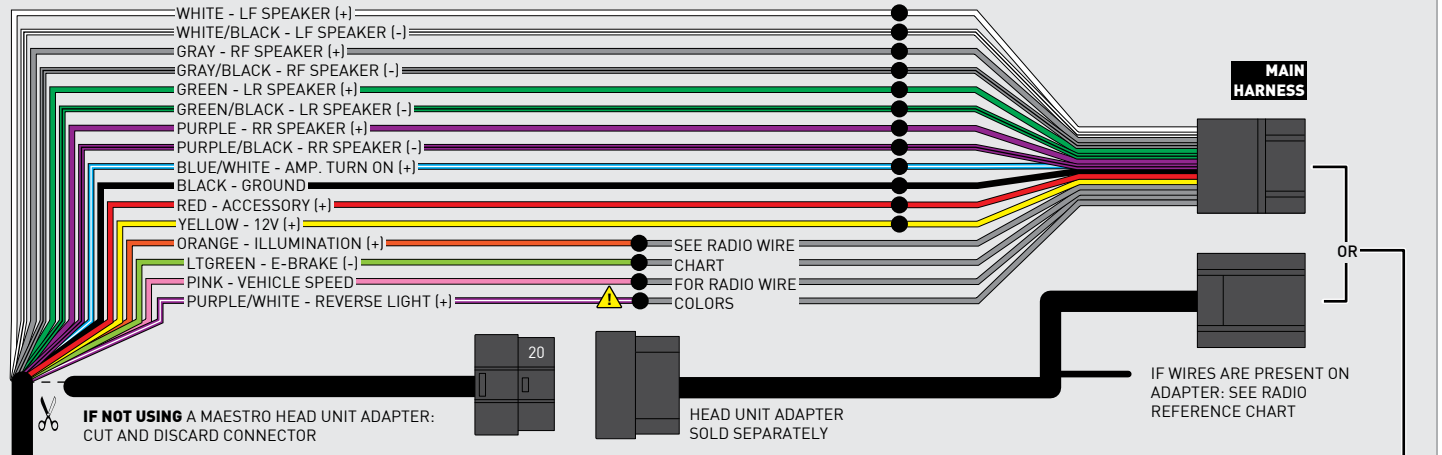
STEP 5

- Connect the SR-CH1 harness to the Maestro SR module.
- Connect the steering wheel control cable.

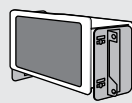
Test your installation.

WIRING DIAGRAM

STEP 1



STEP 2



AFTERMARKET RADIO

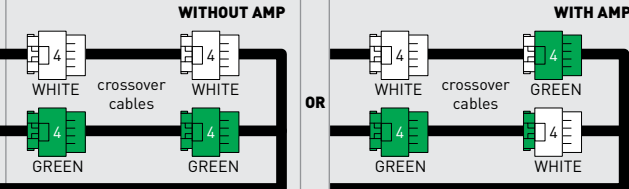
ONLY CONNECT PURPLE/WHITE WIRE TO RADIO REVERSE INPUT, NOT TO A CAMERA OR OTHER ACCESSORY, OR MODULE DAMAGE WILL OCCUR.

STEP 3

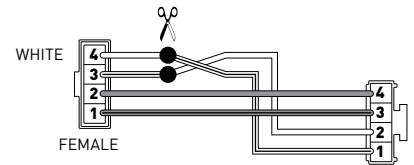
sCH1 HARNESS v1.10 + : PLUG WITHOUT USING CROSSOVER CABLES.

sCH1 HARNESS v1.00 ONLY

- 1- MODIFY WHITE CROSSOVER CABLE AS INDICATED TO THE RIGHT.
- 2- CONNECT CROSSOVER CABLES AS SHOWN BELOW.



sCH1 v1.00 ONLY : WHITE CROSSOVER CABLE MODIFICATION CUT + FLIP WHITE AND WHITE/BLACK WIRES.



STEP 4

FACTORY RADIO HARNESS



AMP TURNON

NC

POC1 -

POC2 -

User configurable output - set up during module programming if desired.
 Low current negative (-350mA) polarity output used to trigger a relay.

STEP 5

MAESTRO SR MODULE



NOT REQUIRED



RADIO WIRE REFERENCE CHART

CH1 T-harness Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/ JVC cable	Wire Color on Pioneer cable	Wire Color on Sony cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light*	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A

* Reverse light wire: Only connect to radio or module damage will occur.
Other brands, refer to aftermarket radio guide. Some radios may not be equipped with all wires listed.

Description	Polarity	Maestro Steering Wheel Control wire	Radio with Steering Wheel Control Port	*Alpine Radio With SWI1, SWI2, Ground Wires	JVC or Kenwood	*Other Radio Brands With SWI1, SWI2, Ground Wires OR Key1, Key2, Ground Wires
Maestro Steering Wheel Control Cable	(DATA)	3.5mm Jack	3.5mm SWC Input Port	Not Connected (secure the jack)	Not Connected (secure the jack)	Not Connected (secure the jack)
	(DATA)	Blue/Yellow Wire	Not Connected	SWI1 Input	Blue/Yellow Wire	SWI1 Input or Key1 Input

*Manually learn the buttons to the radio in the radio steering wheel control menu.

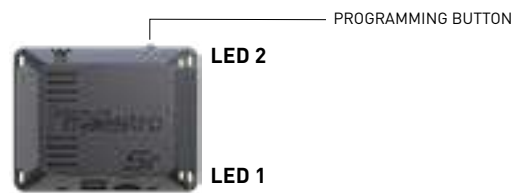
Head unit adapter wiring (optional accessory, sold separately)

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

ACC-HU-KEN1 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
CAM	(+)	Green/Red	Refer to camera/ radio manual
CAM	(-)	Green/White	Refer to camera/ radio manual
Steering Wheel Controls	(DATA)	Blue/Yellow	Blue/Yellow

ACC-HU-KEN2 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
E-Brake	(-)	LtGreen	LtGreen
Reverse Light*	(+)	Purple/White	Purple/White
Steering Wheel Controls	(DATA)	Blue/Yellow	Blue/Yellow

MODULE DIAGNOSTICS



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

TROUBLESHOOTING TABLE

PROBLEM	SOLUTION
Steering wheel controls do not work but LED on the Maestro does blink when steering wheel buttons are pressed.	<p>Verify the buttons are set up in the flash. If any button is set to "none" for "press once", it will do nothing. "Hold" column can be left as none and the "press once" function will operate with one press and when holding the button.</p> <p>Ensure the blue 4-pin steering wheel control cable is connected between the Maestro and the radio. The radio will use either the 3.5mm jack OR the blue/yellow wire, not both.</p> <p>Connect the 3.5mm jack from the Maestro blue 4-pin cable to the radio's 3.5mm port (labeled steering, remote, or wheel). If no such port exists, wire the blue/yellow to blue/yellow (Kenwood/JVC) or to the radio's Key 1 wire (brands not listed/other) and secure the 3.5mm jack. It will not be used.</p> <p>Refer to radio's owner's manual to verify if the radio has this function: Alpine models with button learning (SW11/2/GND wires on back of radio): Connect blue/yellow wire from the blue 4-pin to the radio's SW11 input. Manually learn the buttons to the radio in the radio steering wheel control menus. JVC/Kenwood - Steering Wheel Control (ON/OFF): choose ON Nakamichi - if model is listed, ensure PAC mode is on. If "other", learn the buttons in the radio steering wheel menu. Sony - Steering Wheel Control (Custom/Preset): choose Preset. If phone buttons do not operate properly, flash the module as Pioneer - 2009 and newer with BT. Then select "custom" instead of "preset" and learn the buttons in the radio menu. Other brands - radio should have a steering wheel menu to learn the buttons. You may have to select type A/B/C/1/2/3 and try learning again if buttons are not saving. Refer to radio manufacturer's tech support for further advice if not learning properly.</p>
The radio doesn't turn on. LED on the Maestro is not flashing.	<p>Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.</p> <p>If installing a modular radio and it is not turning on, ensure the screen is secured and any trim pieces on the radio have been installed fully.</p>
When making a phone call you cannot hear the call, but the caller can hear you.	Switch the 4-pin green and white connectors in the t-harness.
No sound.	Ensure blue/white wire from harness is connected to radio's amp turn on output. This is usually blue/white but varies by radio manufacturer. Verify speaker wire connections and 4 pin connectors (green and white).

MAESTRO SR RESET PROCEDURE:

Turn the key to the OFF position, then disconnect all connectors from the module.

Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).

Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds to show the reset was successful.

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

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

RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER AND MORE!



+



**HEAD UNIT
ADAPTER READY**

PRODUCTS REQUIRED

iDataLink Maestro SR Radio Replacement Interface
iDataLink Maestro SR-CH1 Installation Harness

PROGRAMMED FIRMWARE: CH1-SR-AS


WELCOME

Congratulations on the purchase of your iDatalink Maestro SR 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 SR will only retain functionalities that were originally available in the vehicle.

NEED HELP?

 1 866 427-2999

 maestro.support@idatalink.com

ADDITIONAL INFORMATION AND ACCESSORIES

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

AVCH1
(A/V adapter for backup camera retention)

Installation, product information, vehicle specific videos.

[VIDEO HELP](#)



Last flash information, steering control configuration, vehicle information.

[VERIFY FLASH](#)



Software to program module.

[WEBLINK](#)



INSTALLATION INSTRUCTIONS P1/1

BEFORE INSTALLING

- Remove the factory radio.
- Access the main 22 pin factory radio connector (2.1) and determine if you have a factory amplifier.

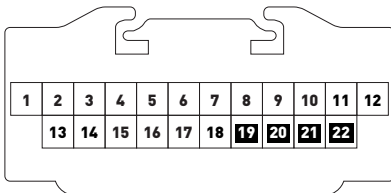


Fig. 2.1

If you don't have wires in PIN 19, 20, 21 and 22, you have a factory amplifier.

If you have wires in PIN 19, 20, 21 and 22, you don't have a factory amplifier

STEP 1

If using head unit adapter (sold separately), connect SR-CH1 harness to adapter and skip to step 2.

- Unbox the aftermarket radio and locate its main harness.
- Cut and remove the black 20 pin connector from the SR-CH1 T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the SR-CH1 T-harness and match the wire functions.

Note: Purple/white is a low current positive output used to trigger the radio only. Do NOT connect to anything other than the radio's reverse input. Refer to radio wire chart for radio's reverse light wire color.

If no camera is installed/desired, do not connect the radio's reverse wire. If installing an aftermarket camera, do NOT connect power for the camera to the Maestro's purple/white wire or module damage will occur.

STEP 2

- Plug the harnesses into the aftermarket radio.
- Connect the steering wheel control cable to the aftermarket radio. Connect either the blue/yellow wire (Kenwood/JVC or radios with SWI/KEY wires) or the 3.5mm to the steering control input of the radio (see Radio Wire Reference Chart for more details).

STEP 3

Without factory AMP:

(HRN-SR-CH1 v1.10) : Plug 4-pin connectors of sCH1 harness, WHITE to WHITE and GREEN to GREEN. Do not use crossover câbles.

(HRN-SR-CH1 v1.0 only):

- Modify WHITE crossover cable as shown in the diagram (cut and flip White and White/Black wires).
- Plug male side of each 4-pin SR-CH1 connector to crossover cable, matching color (see wiring diagram).
- Plug the female 4-pin GREEN sCH1 connector to the male GREEN connector of crossover cable.
- Plug the female 4-pin WHITE sCH1 connector to the male WHITE connector of crossover cable.

With factory AMP:

(HRN-SR-CH1 v1.10) : Plug 4-pin connectors of sCH1 harness, GREEN to WHITE and WHITE to GREEN. Do not use crossover câbles.

(HRN-SR-CH1 v1.0 only):

- Modify WHITE crossover cable as shown in the diagram (cut and flip White and White/Black wires).
- Plug male side of each 4-pin SR-CH1 connector to crossover cable, matching color (see wiring diagram).
- Plug the female 4-pin GREEN sCH1 connector to the male WHITE connector of crossover cable.
- Plug the female 4-pin WHITE sCH1 connector to the male GREEN connector of crossover cable.

STEP 4

- Connect the factory radio harness to the SR-CH1 T-harness.

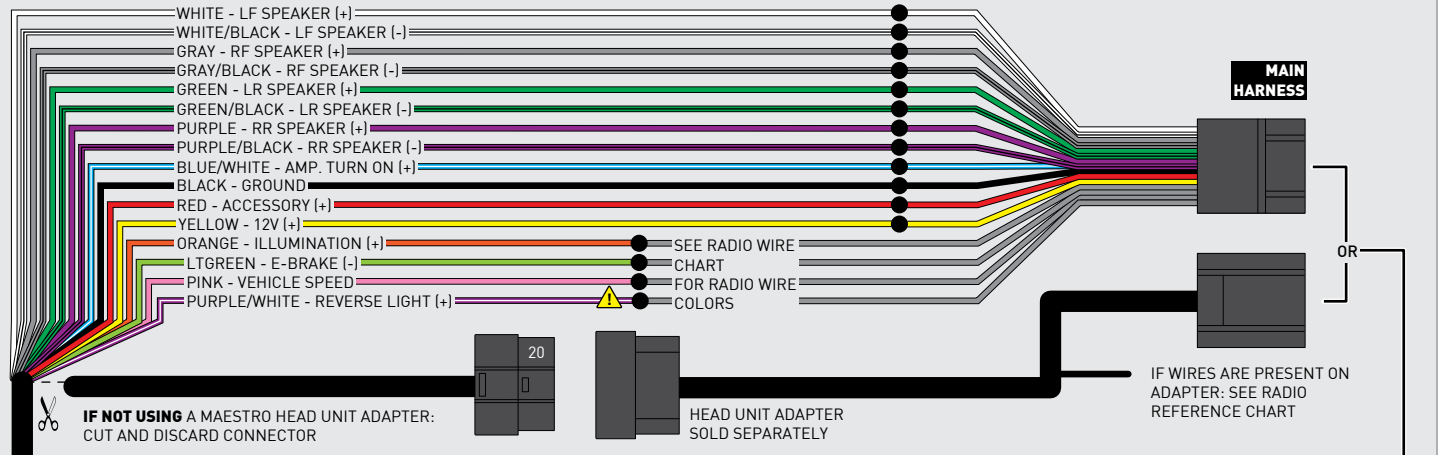
STEP 5

- Connect the SR-CH1 harness to the Maestro SR module.
- Connect the steering wheel control cable.

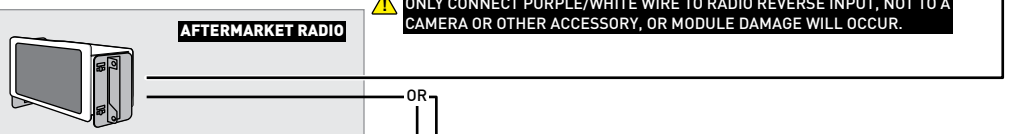
Test your installation.

WIRING DIAGRAM

STEP 1



STEP 2

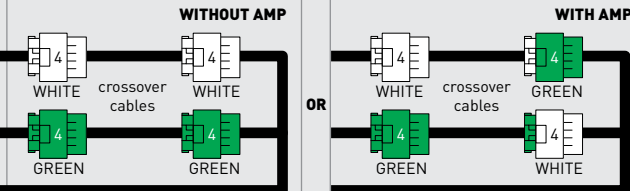


STEP 3

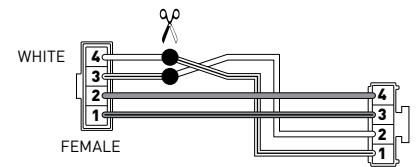
sCH1 HARNESS v1.10 + : PLUG WITHOUT USING CROSSOVER CABLES.

sCH1 HARNESS v1.00 ONLY

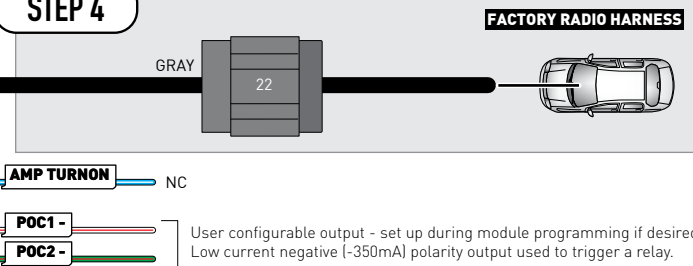
- 1- MODIFY WHITE CROSSOVER CABLE AS INDICATED TO THE RIGHT.
- 2- CONNECT CROSSOVER CABLES AS SHOWN BELOW.



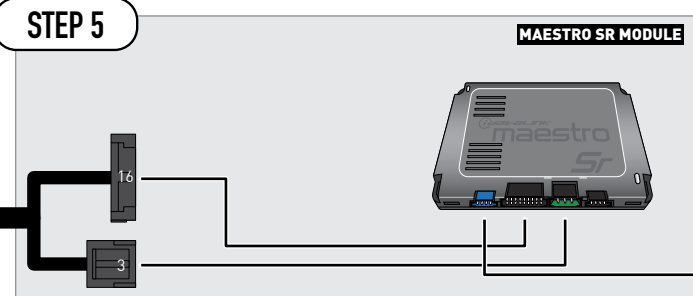
sCH1 v1.00 ONLY : WHITE CROSSOVER CABLE MODIFICATION CUT + FLIP WHITE AND WHITE/BLACK WIRES.



STEP 4



STEP 5



NOT REQUIRED



RADIO WIRE REFERENCE CHART

CH1 T-harness Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/ JVC cable	Wire Color on Pioneer cable	Wire Color on Sony cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light*	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A

* Reverse light wire: Only connect to radio or module damage will occur.
Other brands, refer to aftermarket radio guide. Some radios may not be equipped with all wires listed.

Description	Polarity	Maestro Steering Wheel Control wire	Radio with Steering Wheel Control Port	*Alpine Radio With SWI1, SWI2, Ground Wires	JVC or Kenwood	*Other Radio Brands With SWI1, SWI2, Ground Wires OR Key1, Key2, Ground Wires
Maestro Steering Wheel Control Cable	(DATA)	3.5mm Jack	3.5mm SWC Input Port	Not Connected (secure the jack)	Not Connected (secure the jack)	Not Connected (secure the jack)
	(DATA)	Blue/Yellow Wire	Not Connected	SWI1 Input	Blue/Yellow Wire	SWI1 Input or Key1 Input

*Manually learn the buttons to the radio in the radio steering wheel control menu.

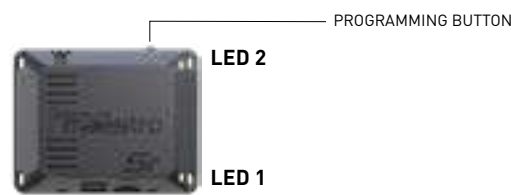
Head unit adapter wiring (optional accessory, sold separately)

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

ACC-HU-KEN1 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
CAM	(+)	Green/Red	Refer to camera/ radio manual
CAM	(-)	Green/White	Refer to camera/ radio manual
Steering Wheel Controls	(DATA)	Blue/Yellow	Blue/Yellow

ACC-HU-KEN2 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
E-Brake	(-)	LtGreen	LtGreen
Reverse Light*	(+)	Purple/White	Purple/White
Steering Wheel Controls	(DATA)	Blue/Yellow	Blue/Yellow

MODULE DIAGNOSTICS



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

TROUBLESHOOTING TABLE

PROBLEM	SOLUTION
Steering wheel controls do not work but LED on the Maestro does blink when steering wheel buttons are pressed.	<p>Verify the buttons are set up in the flash. If any button is set to "none" for "press once", it will do nothing. "Hold" column can be left as none and the "press once" function will operate with one press and when holding the button.</p> <p>Ensure the blue 4-pin steering wheel control cable is connected between the Maestro and the radio. The radio will use either the 3.5mm jack OR the blue/yellow wire, not both.</p> <p>Connect the 3.5mm jack from the Maestro blue 4-pin cable to the radio's 3.5mm port (labeled steering, remote, or wheel). If no such port exists, wire the blue/yellow to blue/yellow (Kenwood/JVC) or to the radio's Key 1 wire (brands not listed/other) and secure the 3.5mm jack. It will not be used.</p> <p>Refer to radio's owner's manual to verify if the radio has this function: Alpine models with button learning (SW11/2/GND wires on back of radio): Connect blue/yellow wire from the blue 4-pin to the radio's SW11 input. Manually learn the buttons to the radio in the radio steering wheel control menus. JVC/Kenwood - Steering Wheel Control (ON/OFF): choose ON Nakamichi - if model is listed, ensure PAC mode is on. If "other", learn the buttons in the radio steering wheel menu. Sony - Steering Wheel Control (Custom/Preset): choose Preset. If phone buttons do not operate properly, flash the module as Pioneer - 2009 and newer with BT. Then select "custom" instead of "preset" and learn the buttons in the radio menu. Other brands - radio should have a steering wheel menu to learn the buttons. You may have to select type A/B/C/1/2/3 and try learning again if buttons are not saving. Refer to radio manufacturer's tech support for further advice if not learning properly.</p>
The radio doesn't turn on. LED on the Maestro is not flashing.	<p>Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.</p> <p>If installing a modular radio and it is not turning on, ensure the screen is secured and any trim pieces on the radio have been installed fully.</p>
When making a phone call you cannot hear the call, but the caller can hear you.	Switch the 4-pin green and white connectors in the t-harness.
No sound.	Ensure blue/white wire from harness is connected to radio's amp turn on output. This is usually blue/white but varies by radio manufacturer. Verify speaker wire connections and 4 pin connectors (green and white).

MAESTRO SR RESET PROCEDURE:

Turn the key to the OFF position, then disconnect all connectors from the module.

Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).

Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds to show the reset was successful.

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

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

RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER AND MORE!



+



**HEAD UNIT
ADAPTER READY**

PRODUCTS REQUIRED

iDataLink Maestro SR Radio Replacement Interface
iDataLink Maestro SR-CH1 Installation Harness

PROGRAMMED FIRMWARE: CH1-SR-AS

WELCOME

Congratulations on the purchase of your iDatalink Maestro SR 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 SR will only retain functionalities that were originally available in the vehicle.

NEED HELP?

☎ 1 866 427-2999

✉ maestro.support@idatalink.com

ADDITIONAL INFORMATION AND ACCESSORIES

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

AVCH1
(A/V adapter for backup camera retention)

Installation, product information, vehicle specific videos. [VIDEO HELP](#)



Last flash information, steering control configuration, vehicle information. [VERIFY FLASH](#)



Software to program module. [WEBLINK](#)



INSTALLATION INSTRUCTIONS P1/1

BEFORE INSTALLING

- Remove the factory radio.
- Access the main 22 pin factory radio connector **(2.1)** and determine if you have a factory amplifier.

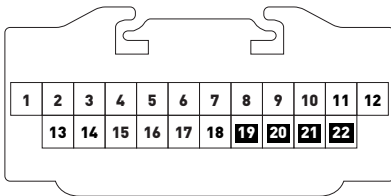


Fig. 2.1

If you don't have wires in PIN 19, 20, 21 and 22, you have a factory amplifier.

If you have wires in PIN 19, 20, 21 and 22, you don't have a factory amplifier

STEP 1

If using head unit adapter (sold separately), connect SR-CH1 harness to adapter and skip to step 2.

- Unbox the aftermarket radio and locate its main harness.
- Cut and remove the black 20 pin connector from the SR-CH1 T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the SR-CH1 T-harness and match the wire functions.

Note: Purple/white is a low current positive output used to trigger the radio only. Do NOT connect to anything other than the radio's reverse input. Refer to radio wire chart for radio's reverse light wire color.

If no camera is installed/desired, do not connect the radio's reverse wire. If installing an aftermarket camera, do NOT connect power for the camera to the Maestro's purple/white wire or module damage will occur.

STEP 2

- Plug the harnesses into the aftermarket radio.
- Connect the steering wheel control cable to the aftermarket radio. Connect either the blue/yellow wire (Kenwood/JVC or radios with SWI/KEY wires) or the 3.5mm to the steering control input of the radio (see Radio Wire Reference Chart for more details).

STEP 3

Without factory AMP:

(HRN-SR-CH1 v1.10) : Plug 4-pin connectors of sCH1 harness, WHITE to WHITE and GREEN to GREEN. Do not use crossover câbles.

(HRN-SR-CH1 v1.0 only):

- Modify WHITE crossover cable as shown in the diagram (cut and flip White and White/Black wires).
- Plug male side of each 4-pin SR-CH1 connector to crossover cable, matching color (see wiring diagram).
- Plug the female 4-pin GREEN sCH1 connector to the male GREEN connector of crossover cable.
- Plug the female 4-pin WHITE sCH1 connector to the male WHITE connector of crossover cable.

With factory AMP:

(HRN-SR-CH1 v1.10) : Plug 4-pin connectors of sCH1 harness, GREEN to WHITE and WHITE to GREEN. Do not use crossover câbles.

(HRN-SR-CH1 v1.0 only):

- Modify WHITE crossover cable as shown in the diagram (cut and flip White and White/Black wires).
- Plug male side of each 4-pin SR-CH1 connector to crossover cable, matching color (see wiring diagram).
- Plug the female 4-pin GREEN sCH1 connector to the male WHITE connector of crossover cable.
- Plug the female 4-pin WHITE sCH1 connector to the male GREEN connector of crossover cable.

STEP 4

- Connect the factory radio harness to the SR-CH1 T-harness.

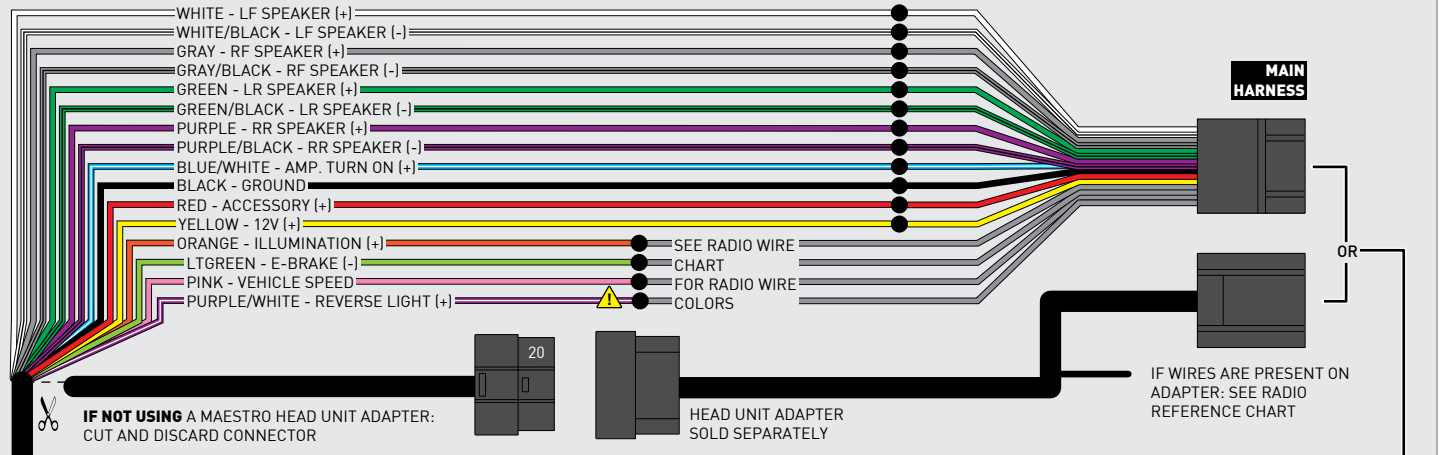
STEP 5

- Connect the SR-CH1 harness to the Maestro SR module.
- Connect the steering wheel control cable.

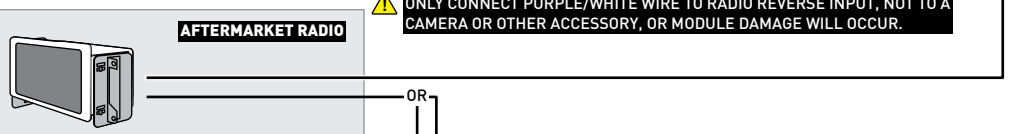
Test your installation.

WIRING DIAGRAM

STEP 1

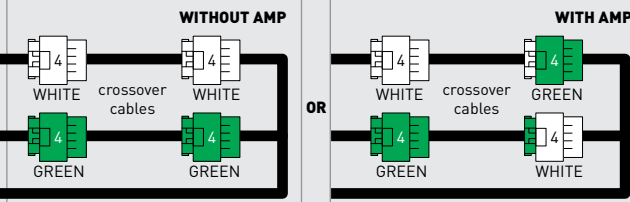


STEP 2

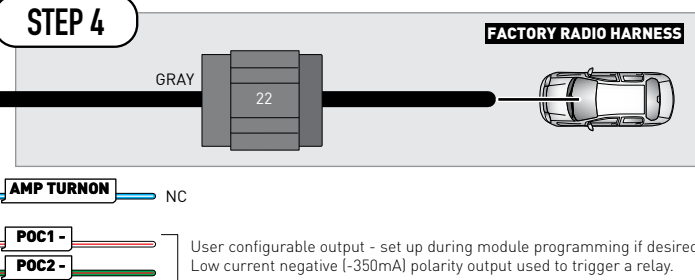


STEP 3

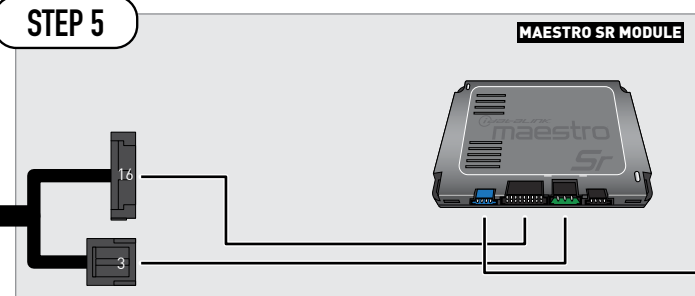
sCH1 HARNESS v1.10 + : PLUG WITHOUT USING CROSSOVER CABLES.
 sCH1 HARNESS v1.00 ONLY
 1- MODIFY WHITE CROSSOVER CABLE AS INDICATED TO THE RIGHT.
 2- CONNECT CROSSOVER CABLES AS SHOWN BELOW.



STEP 4



STEP 5



NOT REQUIRED



RADIO WIRE REFERENCE CHART

CH1 T-harness Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/ JVC cable	Wire Color on Pioneer cable	Wire Color on Sony cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light*	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A

* Reverse light wire: Only connect to radio or module damage will occur.
Other brands, refer to aftermarket radio guide. Some radios may not be equipped with all wires listed.

Description	Polarity	Maestro Steering Wheel Control wire	Radio with Steering Wheel Control Port	*Alpine Radio With SWI1, SWI2, Ground Wires	JVC or Kenwood	*Other Radio Brands With SWI1, SWI2, Ground Wires OR Key1, Key2, Ground Wires
Maestro Steering Wheel Control Cable	(DATA)	3.5mm Jack	3.5mm SWC Input Port	Not Connected (secure the jack)	Not Connected (secure the jack)	Not Connected (secure the jack)
	(DATA)	Blue/Yellow Wire	Not Connected	SWI1 Input	Blue/Yellow Wire	SWI1 Input or Key1 Input

*Manually learn the buttons to the radio in the radio steering wheel control menu.

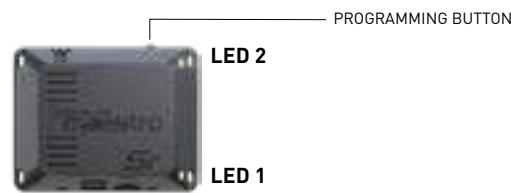
Head unit adapter wiring (optional accessory, sold separately)

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

ACC-HU-KEN1 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
CAM	(+)	Green/Red	Refer to camera/ radio manual
CAM	(-)	Green/White	Refer to camera/ radio manual
Steering Wheel Controls	(DATA)	Blue/Yellow	Blue/Yellow

ACC-HU-KEN2 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
E-Brake	(-)	LtGreen	LtGreen
Reverse Light*	(+)	Purple/White	Purple/White
Steering Wheel Controls	(DATA)	Blue/Yellow	Blue/Yellow

MODULE DIAGNOSTICS



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

TROUBLESHOOTING TABLE

PROBLEM	SOLUTION
Steering wheel controls do not work but LED on the Maestro does blink when steering wheel buttons are pressed.	<p>Verify the buttons are set up in the flash. If any button is set to "none" for "press once", it will do nothing. "Hold" column can be left as none and the "press once" function will operate with one press and when holding the button.</p> <p>Ensure the blue 4-pin steering wheel control cable is connected between the Maestro and the radio. The radio will use either the 3.5mm jack OR the blue/yellow wire, not both.</p> <p>Connect the 3.5mm jack from the Maestro blue 4-pin cable to the radio's 3.5mm port (labeled steering, remote, or wheel). If no such port exists, wire the blue/yellow to blue/yellow (Kenwood/JVC) or to the radio's Key 1 wire (brands not listed/other) and secure the 3.5mm jack. It will not be used.</p> <p>Refer to radio's owner's manual to verify if the radio has this function: Alpine models with button learning (SW11/2/GND wires on back of radio): Connect blue/yellow wire from the blue 4-pin to the radio's SW11 input. Manually learn the buttons to the radio in the radio steering wheel control menus. JVC/Kenwood - Steering Wheel Control (ON/OFF): choose ON Nakamichi - if model is listed, ensure PAC mode is on. If "other", learn the buttons in the radio steering wheel menu. Sony - Steering Wheel Control (Custom/Preset): choose Preset. If phone buttons do not operate properly, flash the module as Pioneer - 2009 and newer with BT. Then select "custom" instead of "preset" and learn the buttons in the radio menu. Other brands - radio should have a steering wheel menu to learn the buttons. You may have to select type A/B/C/1/2/3 and try learning again if buttons are not saving. Refer to radio manufacturer's tech support for further advice if not learning properly.</p>
The radio doesn't turn on. LED on the Maestro is not flashing.	<p>Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.</p> <p>If installing a modular radio and it is not turning on, ensure the screen is secured and any trim pieces on the radio have been installed fully.</p>
When making a phone call you cannot hear the call, but the caller can hear you.	Switch the 4-pin green and white connectors in the t-harness.
No sound.	Ensure blue/white wire from harness is connected to radio's amp turn on output. This is usually blue/white but varies by radio manufacturer. Verify speaker wire connections and 4 pin connectors (green and white).

MAESTRO SR RESET PROCEDURE:

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

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

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

RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER AND MORE!



+



**HEAD UNIT
ADAPTER READY**

PRODUCTS REQUIRED

iDataLink Maestro SR Radio Replacement Interface
iDataLink Maestro SR-CH1 Installation Harness

PROGRAMMED FIRMWARE: CH1-SR-AS

WELCOME

Congratulations on the purchase of your iDatalink Maestro SR 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 SR will only retain functionalities that were originally available in the vehicle.

NEED HELP?

☎ 1 866 427-2999

✉ maestro.support@idatalink.com

ADDITIONAL INFORMATION AND ACCESSORIES

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

AVCH1
(A/V adapter for backup camera retention)

Installation, product information, vehicle specific videos. [VIDEO HELP](#)



Last flash information, steering control configuration, vehicle information. [VERIFY FLASH](#)



Software to program module. [WEBLINK](#)



INSTALLATION INSTRUCTIONS P1/1

BEFORE INSTALLING

- Remove the factory radio.
- Access the main 22 pin factory radio connector **(2.1)** and determine if you have a factory amplifier.

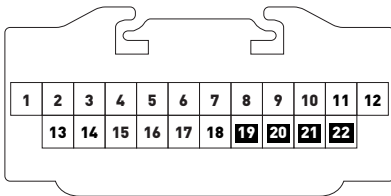


Fig. 2.1

If you don't have wires in PIN 19, 20, 21 and 22, you have a factory amplifier.

If you have wires in PIN 19, 20, 21 and 22, you don't have a factory amplifier

STEP 1

If using head unit adapter (sold separately), connect SR-CH1 harness to adapter and skip to step 2.

- Unbox the aftermarket radio and locate its main harness.
- Cut and remove the black 20 pin connector from the SR-CH1 T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the SR-CH1 T-harness and match the wire functions.

Note: Purple/white is a low current positive output used to trigger the radio only. Do NOT connect to anything other than the radio's reverse input. Refer to radio wire chart for radio's reverse light wire color.

If no camera is installed/desired, do not connect the radio's reverse wire. If installing an aftermarket camera, do NOT connect power for the camera to the Maestro's purple/white wire or module damage will occur.

STEP 2

- Plug the harnesses into the aftermarket radio.
- Connect the steering wheel control cable to the aftermarket radio. Connect either the blue/yellow wire (Kenwood/JVC or radios with SWI/KEY wires) or the 3.5mm to the steering control input of the radio (see Radio Wire Reference Chart for more details).

STEP 3

Without factory AMP:

(HRN-SR-CH1 v1.10) : Plug 4-pin connectors of sCH1 harness, WHITE to WHITE and GREEN to GREEN. Do not use crossover câbles.

(HRN-SR-CH1 v1.0 only):

- Modify WHITE crossover cable as shown in the diagram (cut and flip White and White/Black wires).
- Plug male side of each 4-pin SR-CH1 connector to crossover cable, matching color (see wiring diagram).
- Plug the female 4-pin GREEN sCH1 connector to the male GREEN connector of crossover cable.
- Plug the female 4-pin WHITE sCH1 connector to the male WHITE connector of crossover cable.

With factory AMP:

(HRN-SR-CH1 v1.10) : Plug 4-pin connectors of sCH1 harness, GREEN to WHITE and WHITE to GREEN. Do not use crossover câbles.

(HRN-SR-CH1 v1.0 only):

- Modify WHITE crossover cable as shown in the diagram (cut and flip White and White/Black wires).
- Plug male side of each 4-pin SR-CH1 connector to crossover cable, matching color (see wiring diagram).
- Plug the female 4-pin GREEN sCH1 connector to the male WHITE connector of crossover cable.
- Plug the female 4-pin WHITE sCH1 connector to the male GREEN connector of crossover cable.

STEP 4

- Connect the factory radio harness to the SR-CH1 T-harness.

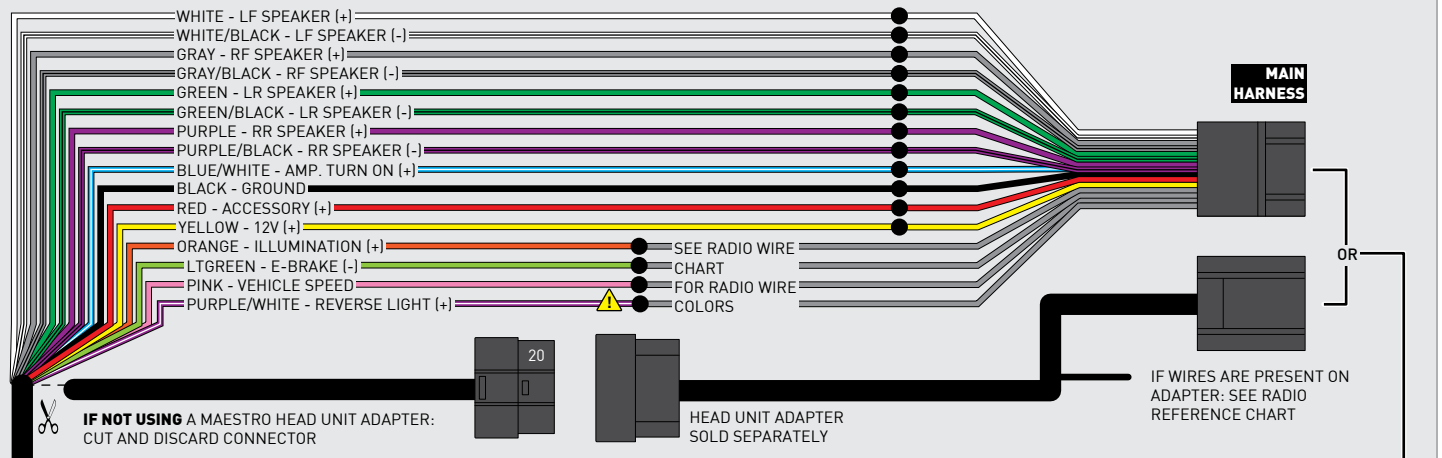
STEP 5

- Connect the SR-CH1 harness to the Maestro SR module.
- Connect the steering wheel control cable.

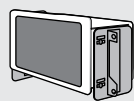
Test your installation.

WIRING DIAGRAM

STEP 1



STEP 2



AFTERMARKET RADIO

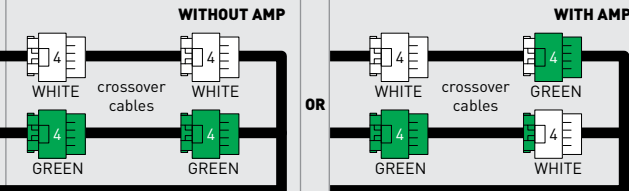
ONLY CONNECT PURPLE/WHITE WIRE TO RADIO REVERSE INPUT, NOT TO A CAMERA OR OTHER ACCESSORY, OR MODULE DAMAGE WILL OCCUR.

STEP 3

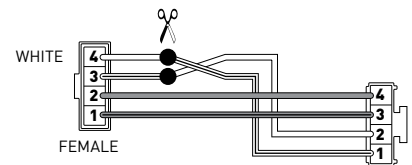
sCH1 HARNESS v1.10 + : PLUG WITHOUT USING CROSSOVER CABLES.

sCH1 HARNESS v1.00 ONLY

- 1- MODIFY WHITE CROSSOVER CABLE AS INDICATED TO THE RIGHT.
- 2- CONNECT CROSSOVER CABLES AS SHOWN BELOW.



sCH1 v1.00 ONLY : WHITE CROSSOVER CABLE MODIFICATION CUT + FLIP WHITE AND WHITE/BLACK WIRES.



STEP 4

FACTORY RADIO HARNESS



AMP TURNON

NC

POC1 -

POC2 -

User configurable output - set up during module programming if desired.
 Low current negative (~350mA) polarity output used to trigger a relay.

STEP 5

MAESTRO SR MODULE



NOT REQUIRED



RADIO WIRE REFERENCE CHART

CH1 T-harness Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/ JVC cable	Wire Color on Pioneer cable	Wire Color on Sony cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light*	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A

* Reverse light wire: Only connect to radio or module damage will occur.
Other brands, refer to aftermarket radio guide. Some radios may not be equipped with all wires listed.

Description	Polarity	Maestro Steering Wheel Control wire	Radio with Steering Wheel Control Port	*Alpine Radio With SWI1, SWI2, Ground Wires	JVC or Kenwood	*Other Radio Brands With SWI1, SWI2, Ground Wires OR Key1, Key2, Ground Wires
Maestro Steering Wheel Control Cable	(DATA)	3.5mm Jack	3.5mm SWC Input Port	Not Connected (secure the jack)	Not Connected (secure the jack)	Not Connected (secure the jack)
	(DATA)	Blue/Yellow Wire	Not Connected	SWI1 Input	Blue/Yellow Wire	SWI1 Input or Key1 Input

*Manually learn the buttons to the radio in the radio steering wheel control menu.

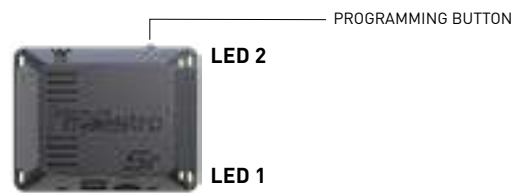
Head unit adapter wiring (optional accessory, sold separately)

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

ACC-HU-KEN1 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
CAM	(+)	Green/Red	Refer to camera/ radio manual
CAM	(-)	Green/White	Refer to camera/ radio manual
Steering Wheel Controls	(DATA)	Blue/Yellow	Blue/Yellow

ACC-HU-KEN2 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
E-Brake	(-)	LtGreen	LtGreen
Reverse Light*	(+)	Purple/White	Purple/White
Steering Wheel Controls	(DATA)	Blue/Yellow	Blue/Yellow

MODULE DIAGNOSTICS



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

TROUBLESHOOTING TABLE

PROBLEM	SOLUTION
Steering wheel controls do not work but LED on the Maestro does blink when steering wheel buttons are pressed.	<p>Verify the buttons are set up in the flash. If any button is set to "none" for "press once", it will do nothing. "Hold" column can be left as none and the "press once" function will operate with one press and when holding the button.</p> <p>Ensure the blue 4-pin steering wheel control cable is connected between the Maestro and the radio. The radio will use either the 3.5mm jack OR the blue/yellow wire, not both.</p> <p>Connect the 3.5mm jack from the Maestro blue 4-pin cable to the radio's 3.5mm port (labeled steering, remote, or wheel). If no such port exists, wire the blue/yellow to blue/yellow (Kenwood/JVC) or to the radio's Key 1 wire (brands not listed/other) and secure the 3.5mm jack. It will not be used.</p> <p>Refer to radio's owner's manual to verify if the radio has this function: Alpine models with button learning (SW11/2/GND wires on back of radio): Connect blue/yellow wire from the blue 4-pin to the radio's SW11 input. Manually learn the buttons to the radio in the radio steering wheel control menus. JVC/Kenwood - Steering Wheel Control (ON/OFF): choose ON Nakamichi - if model is listed, ensure PAC mode is on. If "other", learn the buttons in the radio steering wheel menu. Sony - Steering Wheel Control (Custom/Preset): choose Preset. If phone buttons do not operate properly, flash the module as Pioneer - 2009 and newer with BT. Then select "custom" instead of "preset" and learn the buttons in the radio menu. Other brands - radio should have a steering wheel menu to learn the buttons. You may have to select type A/B/C/1/2/3 and try learning again if buttons are not saving. Refer to radio manufacturer's tech support for further advice if not learning properly.</p>
The radio doesn't turn on. LED on the Maestro is not flashing.	<p>Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.</p> <p>If installing a modular radio and it is not turning on, ensure the screen is secured and any trim pieces on the radio have been installed fully.</p>
When making a phone call you cannot hear the call, but the caller can hear you.	Switch the 4-pin green and white connectors in the t-harness.
No sound.	Ensure blue/white wire from harness is connected to radio's amp turn on output. This is usually blue/white but varies by radio manufacturer. Verify speaker wire connections and 4 pin connectors (green and white).

MAESTRO SR RESET PROCEDURE:

Turn the key to the OFF position, then disconnect all connectors from the module.

Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).

Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds to show the reset was successful.

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

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

RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER AND MORE!



+



**HEAD UNIT
ADAPTER READY**

PRODUCTS REQUIRED

iDataLink Maestro SR Radio Replacement Interface
iDataLink Maestro SR-CH1 Installation Harness

PROGRAMMED FIRMWARE: CH1-SR-AS

WELCOME

Congratulations on the purchase of your iDatalink Maestro SR 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 SR will only retain functionalities that were originally available in the vehicle.

NEED HELP?

☎ 1 866 427-2999

✉ maestro.support@idatalink.com

ADDITIONAL INFORMATION AND ACCESSORIES

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

AVCH1
(A/V adapter for backup camera retention)

Installation, product information, vehicle specific videos. [VIDEO HELP](#)



Last flash information, steering control configuration, vehicle information. [VERIFY FLASH](#)



Software to program module. [WEBLINK](#)



INSTALLATION INSTRUCTIONS P1/1

BEFORE INSTALLING

- Remove the factory radio.
- Access the main 22 pin factory radio connector **(2.1)** and determine if you have a factory amplifier.

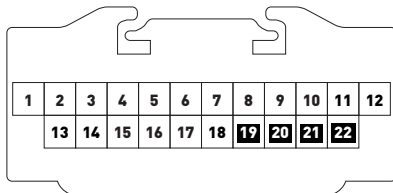


Fig. 2.1

If you don't have wires in PIN 19, 20, 21 and 22, you have a factory amplifier.

If you have wires in PIN 19, 20, 21 and 22, you don't have a factory amplifier

STEP 1

If using head unit adapter (sold separately), connect SR-CH1 harness to adapter and skip to step 2.

- Unbox the aftermarket radio and locate its main harness.
- Cut and remove the black 20 pin connector from the SR-CH1 T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the SR-CH1 T-harness and match the wire functions.

Note: Purple/white is a low current positive output used to trigger the radio only. Do NOT connect to anything other than the radio's reverse input. Refer to radio wire chart for radio's reverse light wire color.

If no camera is installed/desired, do not connect the radio's reverse wire. If installing an aftermarket camera, do NOT connect power for the camera to the Maestro's purple/white wire or module damage will occur.

STEP 2

- Plug the harnesses into the aftermarket radio.
- Connect the steering wheel control cable to the aftermarket radio. Connect either the blue/yellow wire (Kenwood/JVC or radios with SWI/KEY wires) or the 3.5mm to the steering control input of the radio (see Radio Wire Reference Chart for more details).

STEP 3

Without factory AMP:

(HRN-SR-CH1 v1.10) : Plug 4-pin connectors of sCH1 harness, WHITE to WHITE and GREEN to GREEN. Do not use crossover câbles.

(HRN-SR-CH1 v1.0 only):

- Modify WHITE crossover cable as shown in the diagram (cut and flip White and White/Black wires).
- Plug male side of each 4-pin SR-CH1 connector to crossover cable, matching color (see wiring diagram).
- Plug the female 4-pin GREEN sCH1 connector to the male GREEN connector of crossover cable.
- Plug the female 4-pin WHITE sCH1 connector to the male WHITE connector of crossover cable.

With factory AMP:

(HRN-SR-CH1 v1.10) : Plug 4-pin connectors of sCH1 harness, GREEN to WHITE and WHITE to GREEN. Do not use crossover câbles.

(HRN-SR-CH1 v1.0 only):

- Modify WHITE crossover cable as shown in the diagram (cut and flip White and White/Black wires).
- Plug male side of each 4-pin SR-CH1 connector to crossover cable, matching color (see wiring diagram).
- Plug the female 4-pin GREEN sCH1 connector to the male WHITE connector of crossover cable.
- Plug the female 4-pin WHITE sCH1 connector to the male GREEN connector of crossover cable.

STEP 4

- Connect the factory radio harness to the SR-CH1 T-harness.

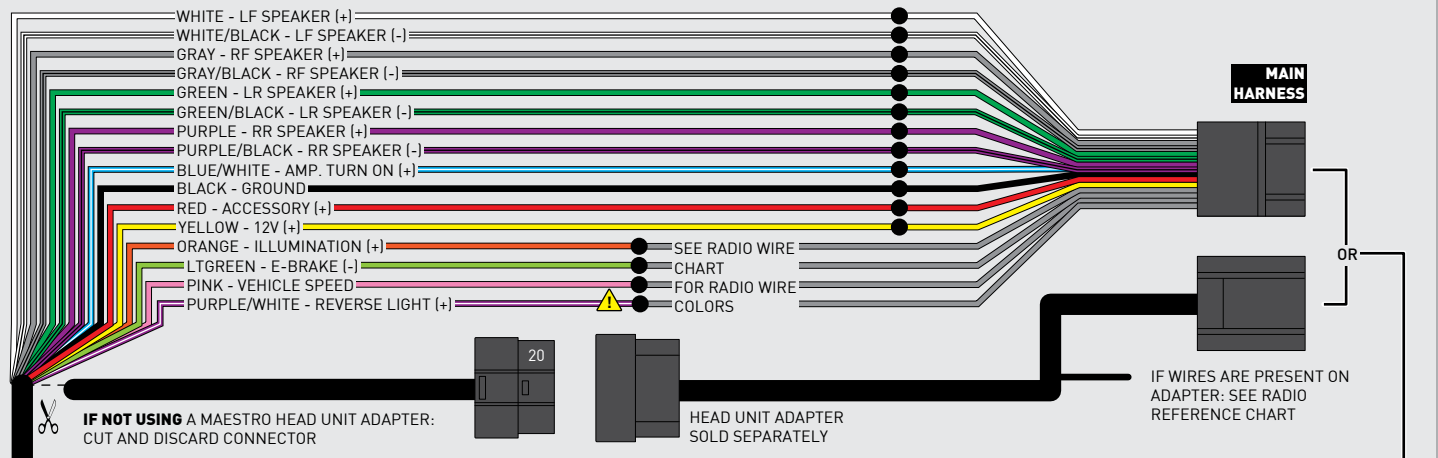
STEP 5

- Connect the SR-CH1 harness to the Maestro SR module.
- Connect the steering wheel control cable.

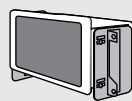
Test your installation.

WIRING DIAGRAM

STEP 1



STEP 2



AFTERMARKET RADIO

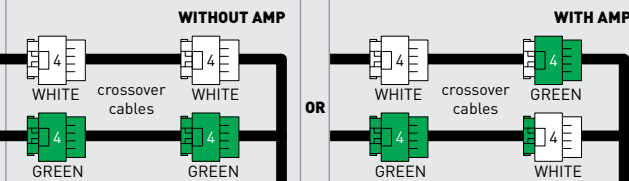
ONLY CONNECT PURPLE/WHITE WIRE TO RADIO REVERSE INPUT, NOT TO A CAMERA OR OTHER ACCESSORY, OR MODULE DAMAGE WILL OCCUR.

STEP 3

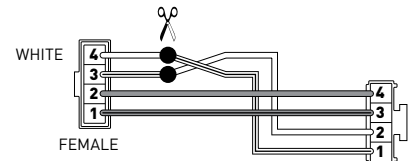
sCH1 HARNESS v1.10 + : PLUG WITHOUT USING CROSSOVER CABLES.

sCH1 HARNESS v1.00 ONLY

- 1- MODIFY WHITE CROSSOVER CABLE AS INDICATED TO THE RIGHT.
- 2- CONNECT CROSSOVER CABLES AS SHOWN BELOW.



sCH1 v1.00 ONLY : WHITE CROSSOVER CABLE MODIFICATION CUT + FLIP WHITE AND WHITE/BLACK WIRES.



STEP 4

FACTORY RADIO HARNESS

GRAY

22

AMP TURNON

NC

POC1 -

POC2 -

User configurable output - set up during module programming if desired.
 Low current negative (-350mA) polarity output used to trigger a relay.

STEP 5

MAESTRO SR MODULE



NOT REQUIRED



RADIO WIRE REFERENCE CHART

CH1 T-harness Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/JVC cable	Wire Color on Pioneer cable	Wire Color on Sony cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light*	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A

* Reverse light wire: Only connect to radio or module damage will occur.
Other brands, refer to aftermarket radio guide. Some radios may not be equipped with all wires listed.

Description	Polarity	Maestro Steering Wheel Control wire	Radio with Steering Wheel Control Port	*Alpine Radio With SWI1, SWI2, Ground Wires	JVC or Kenwood	*Other Radio Brands With SWI1, SWI2, Ground Wires OR Key1, Key2, Ground Wires
Maestro Steering Wheel Control Cable	(DATA)	3.5mm Jack	3.5mm SWC Input Port	Not Connected (secure the jack)	Not Connected (secure the jack)	Not Connected (secure the jack)
	(DATA)	Blue/Yellow Wire	Not Connected	SWI1 Input	Blue/Yellow Wire	SWI1 Input or Key1 Input

*Manually learn the buttons to the radio in the radio steering wheel control menu.

Head unit adapter wiring (optional accessory, sold separately)

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

ACC-HU-KEN1 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
CAM	(+)	Green/Red	Refer to camera/radio manual
CAM	(-)	Green/White	Refer to camera/radio manual
Steering Wheel Controls	(DATA)	Blue/Yellow	Blue/Yellow

ACC-HU-KEN2 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
E-Brake	(-)	LtGreen	LtGreen
Reverse Light*	(+)	Purple/White	Purple/White
Steering Wheel Controls	(DATA)	Blue/Yellow	Blue/Yellow

MODULE DIAGNOSTICS



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

TROUBLESHOOTING TABLE

PROBLEM	SOLUTION
Steering wheel controls do not work but LED on the Maestro does blink when steering wheel buttons are pressed.	<p>Verify the buttons are set up in the flash. If any button is set to "none" for "press once", it will do nothing. "Hold" column can be left as none and the "press once" function will operate with one press and when holding the button.</p> <p>Ensure the blue 4-pin steering wheel control cable is connected between the Maestro and the radio. The radio will use either the 3.5mm jack OR the blue/yellow wire, not both.</p> <p>Connect the 3.5mm jack from the Maestro blue 4-pin cable to the radio's 3.5mm port (labeled steering, remote, or wheel). If no such port exists, wire the blue/yellow to blue/yellow (Kenwood/JVC) or to the radio's Key 1 wire (brands not listed/other) and secure the 3.5mm jack. It will not be used.</p> <p>Refer to radio's owner's manual to verify if the radio has this function: Alpine models with button learning (SW11/2/GND wires on back of radio): Connect blue/yellow wire from the blue 4-pin to the radio's SW11 input. Manually learn the buttons to the radio in the radio steering wheel control menus. JVC/Kenwood - Steering Wheel Control (ON/OFF): choose ON Nakamichi - if model is listed, ensure PAC mode is on. If "other", learn the buttons in the radio steering wheel menu. Sony - Steering Wheel Control (Custom/Preset): choose Preset. If phone buttons do not operate properly, flash the module as Pioneer - 2009 and newer with BT. Then select "custom" instead of "preset" and learn the buttons in the radio menu. Other brands - radio should have a steering wheel menu to learn the buttons. You may have to select type A/B/C/1/2/3 and try learning again if buttons are not saving. Refer to radio manufacturer's tech support for further advice if not learning properly.</p>
The radio doesn't turn on. LED on the Maestro is not flashing.	<p>Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.</p> <p>If installing a modular radio and it is not turning on, ensure the screen is secured and any trim pieces on the radio have been installed fully.</p>
When making a phone call you cannot hear the call, but the caller can hear you.	Switch the 4-pin green and white connectors in the t-harness.
No sound.	Ensure blue/white wire from harness is connected to radio's amp turn on output. This is usually blue/white but varies by radio manufacturer. Verify speaker wire connections and 4 pin connectors (green and white).

MAESTRO SR RESET PROCEDURE:

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

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

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

RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER AND MORE!



+



**HEAD UNIT
ADAPTER READY**

PRODUCTS REQUIRED

iDataLink Maestro SR Radio Replacement Interface
iDataLink Maestro SR-CH1 Installation Harness

PROGRAMMED FIRMWARE: CH1-SR-AS

WELCOME

Congratulations on the purchase of your iDatalink Maestro SR 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 SR will only retain functionalities that were originally available in the vehicle.

NEED HELP?

☎ 1 866 427-2999

✉ maestro.support@idatalink.com

ADDITIONAL INFORMATION AND ACCESSORIES

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

AVCH1
(A/V adapter for backup camera retention)

Installation, product information, vehicle specific videos.

[VIDEO HELP](#)



Last flash information, steering control configuration, vehicle information.

[VERIFY FLASH](#)



Software to program module.

[WEBLINK](#)



INSTALLATION INSTRUCTIONS P1/1

BEFORE INSTALLING

- Remove the factory radio.
- Access the main 22 pin factory radio connector **(2.1)** and determine if you have a factory amplifier.

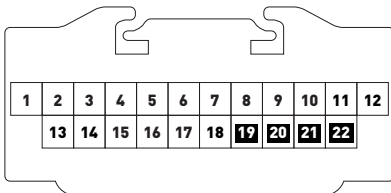


Fig. 2.1

If you don't have wires in PIN 19, 20, 21 and 22, you have a factory amplifier.

If you have wires in PIN 19, 20, 21 and 22, you don't have a factory amplifier

STEP 1

If using head unit adapter (sold separately), connect SR-CH1 harness to adapter and skip to step 2.

- Unbox the aftermarket radio and locate its main harness.
- Cut and remove the black 20 pin connector from the SR-CH1 T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the SR-CH1 T-harness and match the wire functions.

Note: Purple/white is a low current positive output used to trigger the radio only. Do NOT connect to anything other than the radio's reverse input. Refer to radio wire chart for radio's reverse light wire color.

If no camera is installed/desired, do not connect the radio's reverse wire. If installing an aftermarket camera, do NOT connect power for the camera to the Maestro's purple/white wire or module damage will occur.

STEP 2

- Plug the harnesses into the aftermarket radio.
- Connect the steering wheel control cable to the aftermarket radio. Connect either the blue/yellow wire (Kenwood/JVC or radios with SWI/KEY wires) or the 3.5mm to the steering control input of the radio (see Radio Wire Reference Chart for more details).

STEP 3

Without factory AMP:

(HRN-SR-CH1 v1.10) : Plug 4-pin connectors of sCH1 harness, WHITE to WHITE and GREEN to GREEN. Do not use crossover câbles.

(HRN-SR-CH1 v1.0 only):

- Modify WHITE crossover cable as shown in the diagram (cut and flip White and White/Black wires).
- Plug male side of each 4-pin SR-CH1 connector to crossover cable, matching color (see wiring diagram).
- Plug the female 4-pin GREEN sCH1 connector to the male GREEN connector of crossover cable.
- Plug the female 4-pin WHITE sCH1 connector to the male WHITE connector of crossover cable.

With factory AMP:

(HRN-SR-CH1 v1.10) : Plug 4-pin connectors of sCH1 harness, GREEN to WHITE and WHITE to GREEN. Do not use crossover câbles.

(HRN-SR-CH1 v1.0 only):

- Modify WHITE crossover cable as shown in the diagram (cut and flip White and White/Black wires).
- Plug male side of each 4-pin SR-CH1 connector to crossover cable, matching color (see wiring diagram).
- Plug the female 4-pin GREEN sCH1 connector to the male WHITE connector of crossover cable.
- Plug the female 4-pin WHITE sCH1 connector to the male GREEN connector of crossover cable.

STEP 4

- Connect the factory radio harness to the SR-CH1 T-harness.

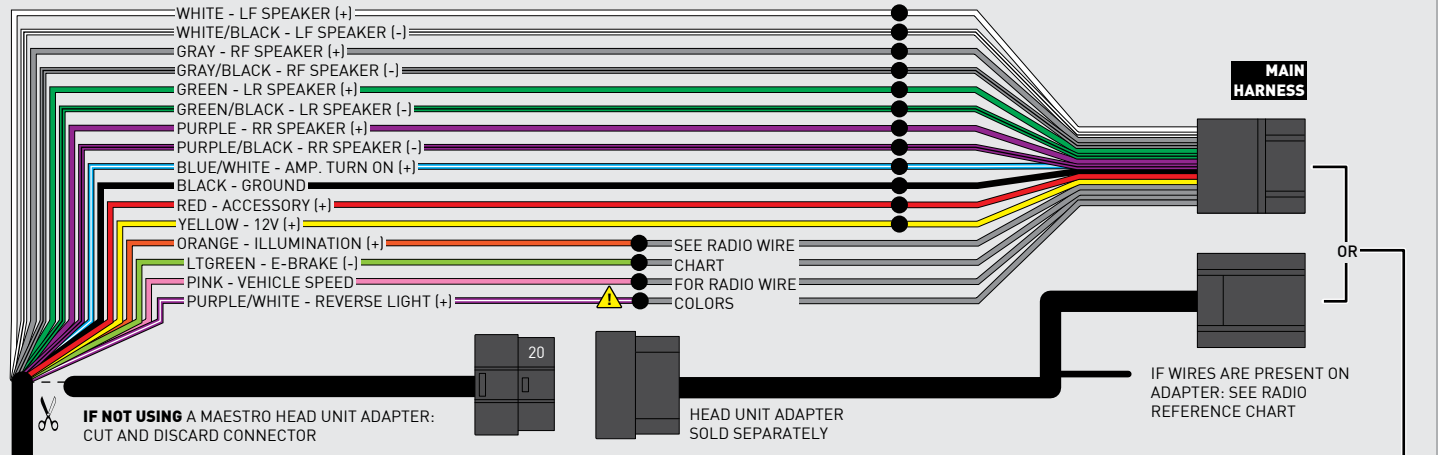
STEP 5

- Connect the SR-CH1 harness to the Maestro SR module.
- Connect the steering wheel control cable.

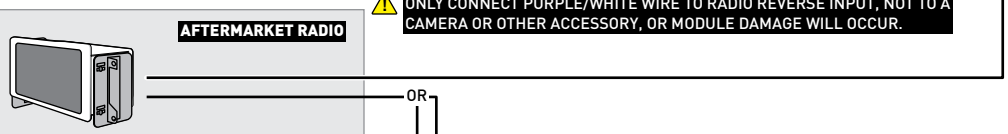
Test your installation.

WIRING DIAGRAM

STEP 1



STEP 2

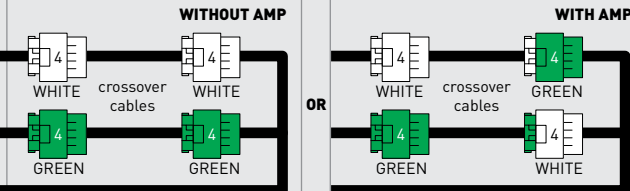


STEP 3

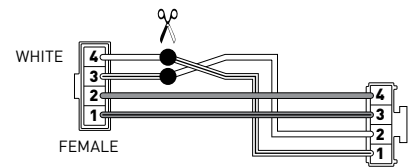
sCH1 HARNESS v1.10 + : PLUG WITHOUT USING CROSSOVER CABLES.

sCH1 HARNESS v1.00 ONLY

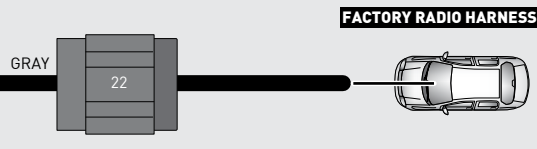
- 1- MODIFY WHITE CROSSOVER CABLE AS INDICATED TO THE RIGHT.
- 2- CONNECT CROSSOVER CABLES AS SHOWN BELOW.



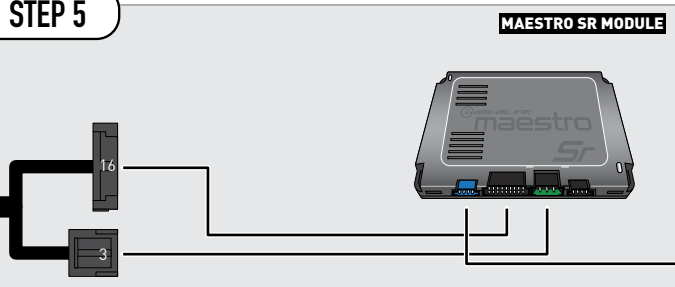
sCH1 v1.00 ONLY : WHITE CROSSOVER CABLE MODIFICATION CUT + FLIP WHITE AND WHITE/BLACK WIRES.



STEP 4



STEP 5



NOT REQUIRED



RADIO WIRE REFERENCE CHART

CH1 T-harness Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/ JVC cable	Wire Color on Pioneer cable	Wire Color on Sony cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light*	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A

* Reverse light wire: Only connect to radio or module damage will occur.
Other brands, refer to aftermarket radio guide. Some radios may not be equipped with all wires listed.

Description	Polarity	Maestro Steering Wheel Control wire	Radio with Steering Wheel Control Port	*Alpine Radio With SWI1, SWI2, Ground Wires	JVC or Kenwood	*Other Radio Brands With SWI1, SWI2, Ground Wires OR Key1, Key2, Ground Wires
Maestro Steering Wheel Control Cable	(DATA)	3.5mm Jack	3.5mm SWC Input Port	Not Connected (secure the jack)	Not Connected (secure the jack)	Not Connected (secure the jack)
	(DATA)	Blue/Yellow Wire	Not Connected	SWI1 Input	Blue/Yellow Wire	SWI1 Input or Key1 Input

*Manually learn the buttons to the radio in the radio steering wheel control menu.

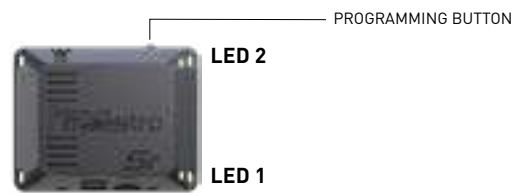
Head unit adapter wiring (optional accessory, sold separately)

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

ACC-HU-KEN1 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
CAM	(+)	Green/Red	Refer to camera/ radio manual
CAM	(-)	Green/White	Refer to camera/ radio manual
Steering Wheel Controls	(DATA)	Blue/Yellow	Blue/Yellow

ACC-HU-KEN2 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
E-Brake	(-)	LtGreen	LtGreen
Reverse Light*	(+)	Purple/White	Purple/White
Steering Wheel Controls	(DATA)	Blue/Yellow	Blue/Yellow

MODULE DIAGNOSTICS



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

TROUBLESHOOTING TABLE

PROBLEM	SOLUTION
Steering wheel controls do not work but LED on the Maestro does blink when steering wheel buttons are pressed.	<p>Verify the buttons are set up in the flash. If any button is set to "none" for "press once", it will do nothing. "Hold" column can be left as none and the "press once" function will operate with one press and when holding the button.</p> <p>Ensure the blue 4-pin steering wheel control cable is connected between the Maestro and the radio. The radio will use either the 3.5mm jack OR the blue/yellow wire, not both.</p> <p>Connect the 3.5mm jack from the Maestro blue 4-pin cable to the radio's 3.5mm port (labeled steering, remote, or wheel). If no such port exists, wire the blue/yellow to blue/yellow (Kenwood/JVC) or to the radio's Key 1 wire (brands not listed/other) and secure the 3.5mm jack. It will not be used.</p> <p>Refer to radio's owner's manual to verify if the radio has this function: Alpine models with button learning (SW11/2/GND wires on back of radio): Connect blue/yellow wire from the blue 4-pin to the radio's SW11 input. Manually learn the buttons to the radio in the radio steering wheel control menus. JVC/Kenwood - Steering Wheel Control (ON/OFF): choose ON Nakamichi - if model is listed, ensure PAC mode is on. If "other", learn the buttons in the radio steering wheel menu. Sony - Steering Wheel Control (Custom/Preset): choose Preset. If phone buttons do not operate properly, flash the module as Pioneer - 2009 and newer with BT. Then select "custom" instead of "preset" and learn the buttons in the radio menu. Other brands - radio should have a steering wheel menu to learn the buttons. You may have to select type A/B/C/1/2/3 and try learning again if buttons are not saving. Refer to radio manufacturer's tech support for further advice if not learning properly.</p>
The radio doesn't turn on. LED on the Maestro is not flashing.	<p>Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.</p> <p>If installing a modular radio and it is not turning on, ensure the screen is secured and any trim pieces on the radio have been installed fully.</p>
When making a phone call you cannot hear the call, but the caller can hear you.	Switch the 4-pin green and white connectors in the t-harness.
No sound.	Ensure blue/white wire from harness is connected to radio's amp turn on output. This is usually blue/white but varies by radio manufacturer. Verify speaker wire connections and 4 pin connectors (green and white).

MAESTRO SR RESET PROCEDURE:

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

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

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

RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER AND MORE!



+



**HEAD UNIT
ADAPTER READY**

PRODUCTS REQUIRED

iDataLink Maestro SR Radio Replacement Interface
iDataLink Maestro SR-CH1 Installation Harness

PROGRAMMED FIRMWARE: CH1-SR-AS


WELCOME

Congratulations on the purchase of your iDatalink Maestro SR 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 SR will only retain functionalities that were originally available in the vehicle.

NEED HELP?

 1 866 427-2999

 maestro.support@idatalink.com

ADDITIONAL INFORMATION AND ACCESSORIES

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

AVCH1
(A/V adapter for backup camera retention)

Installation, product information, vehicle specific videos.

[VIDEO HELP](#)



Last flash information, steering control configuration, vehicle information.

[VERIFY FLASH](#)



Software to program module.

[WEBLINK](#)



INSTALLATION INSTRUCTIONS P1/1

BEFORE INSTALLING

- Remove the factory radio.
- Access the main 22 pin factory radio connector **(2.1)** and determine if you have a factory amplifier.

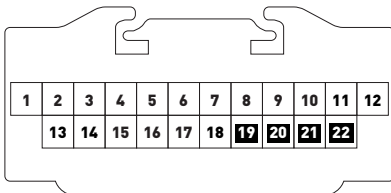


Fig. 2.1

If you don't have wires in PIN 19, 20, 21 and 22, you have a factory amplifier.

If you have wires in PIN 19, 20, 21 and 22, you don't have a factory amplifier

STEP 1

If using head unit adapter (sold separately), connect SR-CH1 harness to adapter and skip to step 2.

- Unbox the aftermarket radio and locate its main harness.
- Cut and remove the black 20 pin connector from the SR-CH1 T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the SR-CH1 T-harness and match the wire functions.

Note: Purple/white is a low current positive output used to trigger the radio only. Do NOT connect to anything other than the radio's reverse input. Refer to radio wire chart for radio's reverse light wire color.

If no camera is installed/desired, do not connect the radio's reverse wire. If installing an aftermarket camera, do NOT connect power for the camera to the Maestro's purple/white wire or module damage will occur.

STEP 2

- Plug the harnesses into the aftermarket radio.
- Connect the steering wheel control cable to the aftermarket radio. Connect either the blue/yellow wire (Kenwood/JVC or radios with SWI/KEY wires) or the 3.5mm to the steering control input of the radio (see Radio Wire Reference Chart for more details).

STEP 3

Without factory AMP:

(HRN-SR-CH1 v1.10) : Plug 4-pin connectors of sCH1 harness, WHITE to WHITE and GREEN to GREEN. Do not use crossover câbles.

(HRN-SR-CH1 v1.0 only):

- Modify WHITE crossover cable as shown in the diagram (cut and flip White and White/Black wires).
- Plug male side of each 4-pin SR-CH1 connector to crossover cable, matching color (see wiring diagram).
- Plug the female 4-pin GREEN sCH1 connector to the male GREEN connector of crossover cable.
- Plug the female 4-pin WHITE sCH1 connector to the male WHITE connector of crossover cable.

With factory AMP:

(HRN-SR-CH1 v1.10) : Plug 4-pin connectors of sCH1 harness, GREEN to WHITE and WHITE to GREEN. Do not use crossover câbles.

(HRN-SR-CH1 v1.0 only):

- Modify WHITE crossover cable as shown in the diagram (cut and flip White and White/Black wires).
- Plug male side of each 4-pin SR-CH1 connector to crossover cable, matching color (see wiring diagram).
- Plug the female 4-pin GREEN sCH1 connector to the male WHITE connector of crossover cable.
- Plug the female 4-pin WHITE sCH1 connector to the male GREEN connector of crossover cable.

STEP 4

- Connect the factory radio harness to the SR-CH1 T-harness.

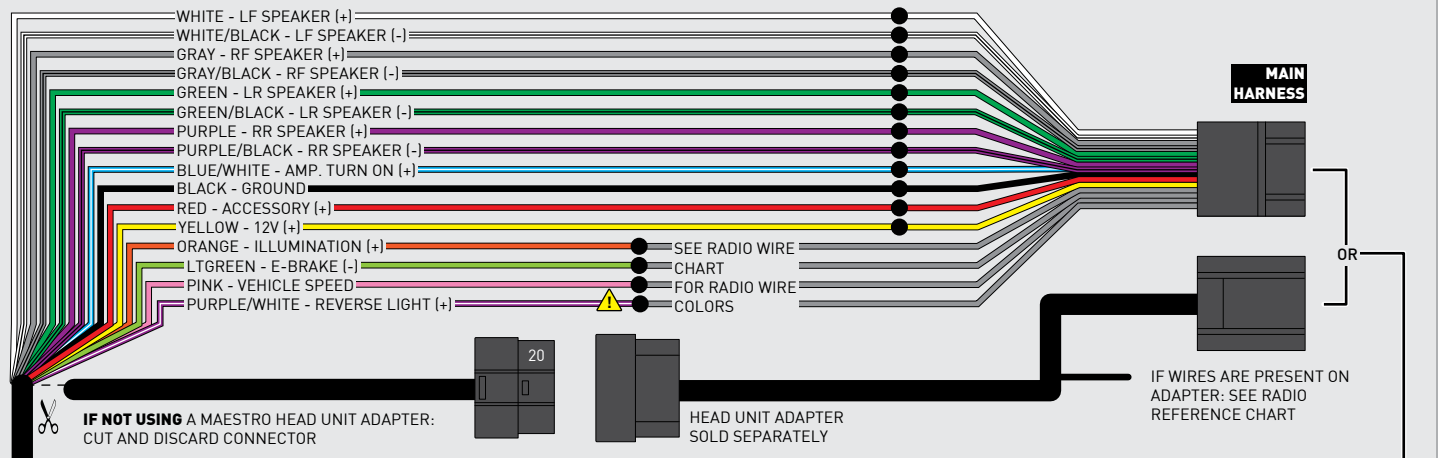
STEP 5

- Connect the SR-CH1 harness to the Maestro SR module.
- Connect the steering wheel control cable.

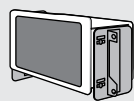
Test your installation.

WIRING DIAGRAM

STEP 1



STEP 2



AFTERMARKET RADIO

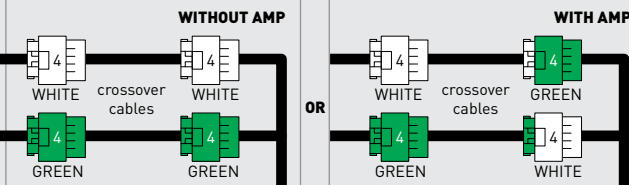
ONLY CONNECT PURPLE/WHITE WIRE TO RADIO REVERSE INPUT, NOT TO A CAMERA OR OTHER ACCESSORY, OR MODULE DAMAGE WILL OCCUR.

STEP 3

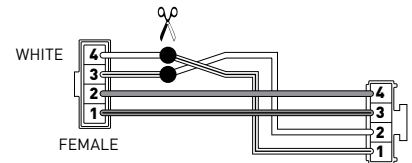
sCH1 HARNESS v1.10 + : PLUG WITHOUT USING CROSSOVER CABLES.

sCH1 HARNESS v1.00 ONLY

- 1- MODIFY WHITE CROSSOVER CABLE AS INDICATED TO THE RIGHT.
- 2- CONNECT CROSSOVER CABLES AS SHOWN BELOW.



sCH1 v1.00 ONLY : WHITE CROSSOVER CABLE MODIFICATION CUT + FLIP WHITE AND WHITE/BLACK WIRES.



STEP 4

FACTORY RADIO HARNESS

GRAY

22

AMP TURNON

NC

POC1 -

POC2 -

User configurable output - set up during module programming if desired.
 Low current negative (~350mA) polarity output used to trigger a relay.

STEP 5

MAESTRO SR MODULE



NOT REQUIRED



RADIO WIRE REFERENCE CHART

CH1 T-harness Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/ JVC cable	Wire Color on Pioneer cable	Wire Color on Sony cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light*	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A

* Reverse light wire: Only connect to radio or module damage will occur.
Other brands, refer to aftermarket radio guide. Some radios may not be equipped with all wires listed.

Description	Polarity	Maestro Steering Wheel Control wire	Radio with Steering Wheel Control Port	*Alpine Radio With SWI1, SWI2, Ground Wires	JVC or Kenwood	*Other Radio Brands With SWI1, SWI2, Ground Wires OR Key1, Key2, Ground Wires
Maestro Steering Wheel Control Cable	(DATA)	3.5mm Jack	3.5mm SWC Input Port	Not Connected (secure the jack)	Not Connected (secure the jack)	Not Connected (secure the jack)
	(DATA)	Blue/Yellow Wire	Not Connected	SWI1 Input	Blue/Yellow Wire	SWI1 Input or Key1 Input

*Manually learn the buttons to the radio in the radio steering wheel control menu.

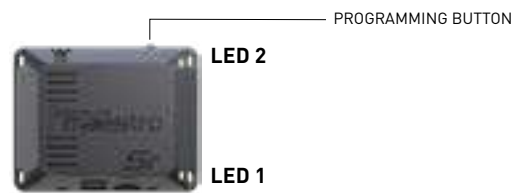
Head unit adapter wiring (optional accessory, sold separately)

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

ACC-HU-KEN1 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
CAM	(+)	Green/Red	Refer to camera/ radio manual
CAM	(-)	Green/White	Refer to camera/ radio manual
Steering Wheel Controls	(DATA)	Blue/Yellow	Blue/Yellow

ACC-HU-KEN2 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
E-Brake	(-)	LtGreen	LtGreen
Reverse Light*	(+)	Purple/White	Purple/White
Steering Wheel Controls	(DATA)	Blue/Yellow	Blue/Yellow

MODULE DIAGNOSTICS



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

TROUBLESHOOTING TABLE

PROBLEM	SOLUTION
Steering wheel controls do not work but LED on the Maestro does blink when steering wheel buttons are pressed.	<p>Verify the buttons are set up in the flash. If any button is set to "none" for "press once", it will do nothing. "Hold" column can be left as none and the "press once" function will operate with one press and when holding the button.</p> <p>Ensure the blue 4-pin steering wheel control cable is connected between the Maestro and the radio. The radio will use either the 3.5mm jack OR the blue/yellow wire, not both.</p> <p>Connect the 3.5mm jack from the Maestro blue 4-pin cable to the radio's 3.5mm port (labeled steering, remote, or wheel). If no such port exists, wire the blue/yellow to blue/yellow (Kenwood/JVC) or to the radio's Key 1 wire (brands not listed/other) and secure the 3.5mm jack. It will not be used.</p> <p>Refer to radio's owner's manual to verify if the radio has this function: Alpine models with button learning (SW11/2/GND wires on back of radio): Connect blue/yellow wire from the blue 4-pin to the radio's SW11 input. Manually learn the buttons to the radio in the radio steering wheel control menus. JVC/Kenwood - Steering Wheel Control (ON/OFF): choose ON Nakamichi - if model is listed, ensure PAC mode is on. If "other", learn the buttons in the radio steering wheel menu. Sony - Steering Wheel Control (Custom/Preset): choose Preset. If phone buttons do not operate properly, flash the module as Pioneer - 2009 and newer with BT. Then select "custom" instead of "preset" and learn the buttons in the radio menu. Other brands - radio should have a steering wheel menu to learn the buttons. You may have to select type A/B/C/1/2/3 and try learning again if buttons are not saving. Refer to radio manufacturer's tech support for further advice if not learning properly.</p>
The radio doesn't turn on. LED on the Maestro is not flashing.	<p>Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.</p> <p>If installing a modular radio and it is not turning on, ensure the screen is secured and any trim pieces on the radio have been installed fully.</p>
When making a phone call you cannot hear the call, but the caller can hear you.	Switch the 4-pin green and white connectors in the t-harness.
No sound.	Ensure blue/white wire from harness is connected to radio's amp turn on output. This is usually blue/white but varies by radio manufacturer. Verify speaker wire connections and 4 pin connectors (green and white).

MAESTRO SR RESET PROCEDURE:

Turn the key to the OFF position, then disconnect all connectors from the module.

Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).

Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds to show the reset was successful.

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

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

RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER AND MORE!



+



**HEAD UNIT
ADAPTER READY**

PRODUCTS REQUIRED

iDataLink Maestro SR Radio Replacement Interface
iDataLink Maestro SR-CH1 Installation Harness

PROGRAMMED FIRMWARE: CH1-SR-AS

WELCOME

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

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

NEED HELP?

☎ 1 866 427-2999

✉ maestro.support@idatalink.com

ADDITIONAL INFORMATION AND ACCESSORIES

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

AVCH1
(A/V adapter for backup camera retention)

Installation, product information, vehicle specific videos.

[VIDEO HELP](#)



Last flash information, steering control configuration, vehicle information.

[VERIFY FLASH](#)



Software to program module.

[WEBLINK](#)



INSTALLATION INSTRUCTIONS P1/1

BEFORE INSTALLING

- Remove the factory radio.
- Access the main 22 pin factory radio connector **(2.1)** and determine if you have a factory amplifier.

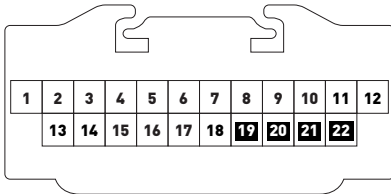


Fig. 2.1

If you don't have wires in PIN 19, 20, 21 and 22, you have a factory amplifier.

If you have wires in PIN 19, 20, 21 and 22, you don't have a factory amplifier

STEP 1

If using head unit adapter (sold separately), connect SR-CH1 harness to adapter and skip to step 2.

- Unbox the aftermarket radio and locate its main harness.
- Cut and remove the black 20 pin connector from the SR-CH1 T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the SR-CH1 T-harness and match the wire functions.

Note: Purple/white is a low current positive output used to trigger the radio only. Do NOT connect to anything other than the radio's reverse input. Refer to radio wire chart for radio's reverse light wire color.

If no camera is installed/desired, do not connect the radio's reverse wire. If installing an aftermarket camera, do NOT connect power for the camera to the Maestro's purple/white wire or module damage will occur.

STEP 2

- Plug the harnesses into the aftermarket radio.
- Connect the steering wheel control cable to the aftermarket radio. Connect either the blue/yellow wire (Kenwood/JVC or radios with SWI/KEY wires) or the 3.5mm to the steering control input of the radio (see Radio Wire Reference Chart for more details).

STEP 3

Without factory AMP:

(HRN-SR-CH1 v1.10) : Plug 4-pin connectors of sCH1 harness, WHITE to WHITE and GREEN to GREEN. Do not use crossover câbles.

(HRN-SR-CH1 v1.0 only):

- Modify WHITE crossover cable as shown in the diagram (cut and flip White and White/Black wires).
- Plug male side of each 4-pin SR-CH1 connector to crossover cable, matching color (see wiring diagram).
- Plug the female 4-pin GREEN sCH1 connector to the male GREEN connector of crossover cable.
- Plug the female 4-pin WHITE sCH1 connector to the male WHITE connector of crossover cable.

With factory AMP:

(HRN-SR-CH1 v1.10) : Plug 4-pin connectors of sCH1 harness, GREEN to WHITE and WHITE to GREEN. Do not use crossover câbles.

(HRN-SR-CH1 v1.0 only):

- Modify WHITE crossover cable as shown in the diagram (cut and flip White and White/Black wires).
- Plug male side of each 4-pin SR-CH1 connector to crossover cable, matching color (see wiring diagram).
- Plug the female 4-pin GREEN sCH1 connector to the male WHITE connector of crossover cable.
- Plug the female 4-pin WHITE sCH1 connector to the male GREEN connector of crossover cable.

STEP 4

- Connect the factory radio harness to the SR-CH1 T-harness.

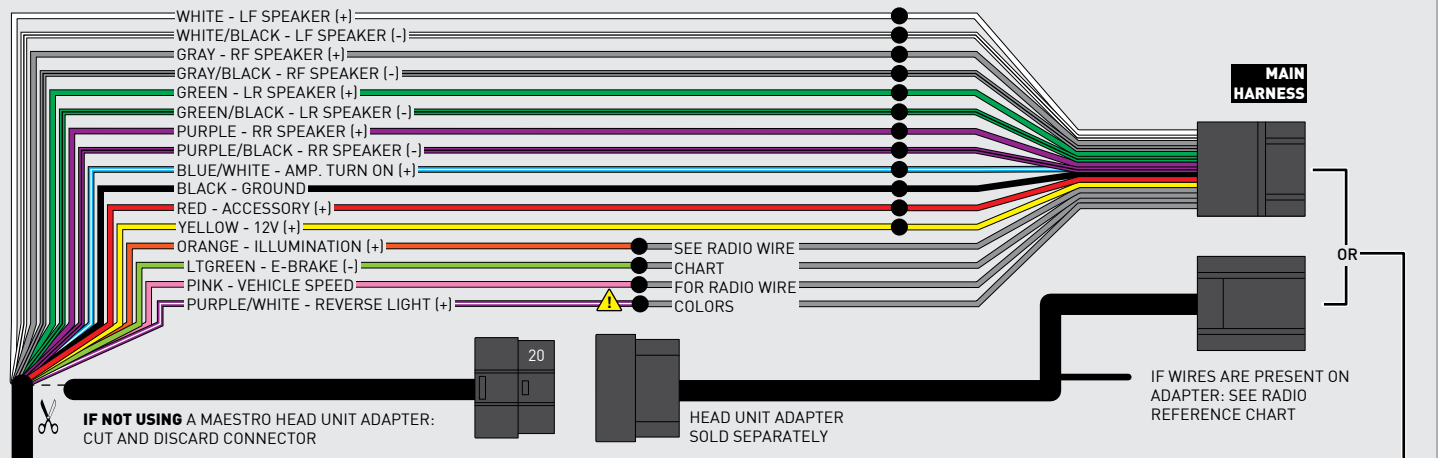
STEP 5

- Connect the SR-CH1 harness to the Maestro SR module.
- Connect the steering wheel control cable.

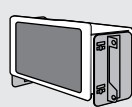
Test your installation.

WIRING DIAGRAM

STEP 1



STEP 2



AFTERMARKET RADIO

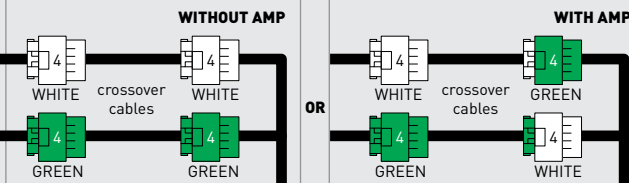
ONLY CONNECT PURPLE/WHITE WIRE TO RADIO REVERSE INPUT, NOT TO A CAMERA OR OTHER ACCESSORY, OR MODULE DAMAGE WILL OCCUR.

STEP 3

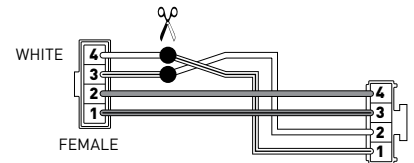
sCH1 HARNESS v1.10 + : PLUG WITHOUT USING CROSSOVER CABLES.

sCH1 HARNESS v1.00 ONLY

- 1- MODIFY WHITE CROSSOVER CABLE AS INDICATED TO THE RIGHT.
- 2- CONNECT CROSSOVER CABLES AS SHOWN BELOW.



sCH1 v1.00 ONLY : WHITE CROSSOVER CABLE MODIFICATION CUT + FLIP WHITE AND WHITE/BLACK WIRES.



STEP 4

FACTORY RADIO HARNESS



AMP TURNON

NC

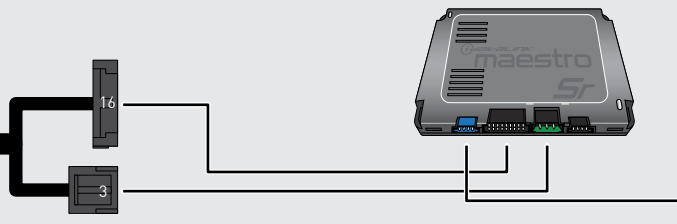
POC1 -

POC2 -

User configurable output - set up during module programming if desired.
 Low current negative (~350mA) polarity output used to trigger a relay.

STEP 5

MAESTRO SR MODULE



NOT REQUIRED



RADIO WIRE REFERENCE CHART

CH1 T-harness Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/JVC cable	Wire Color on Pioneer cable	Wire Color on Sony cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light*	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A

* Reverse light wire: Only connect to radio or module damage will occur.
Other brands, refer to aftermarket radio guide. Some radios may not be equipped with all wires listed.

Description	Polarity	Maestro Steering Wheel Control wire	Radio with Steering Wheel Control Port	*Alpine Radio With SWI1, SWI2, Ground Wires	JVC or Kenwood	*Other Radio Brands With SWI1, SWI2, Ground Wires OR Key1, Key2, Ground Wires
Maestro Steering Wheel Control Cable	(DATA)	3.5mm Jack	3.5mm SWC Input Port	Not Connected (secure the jack)	Not Connected (secure the jack)	Not Connected (secure the jack)
	(DATA)	Blue/Yellow Wire	Not Connected	SWI1 Input	Blue/Yellow Wire	SWI1 Input or Key1 Input

*Manually learn the buttons to the radio in the radio steering wheel control menu.

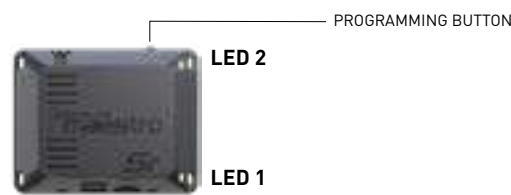
Head unit adapter wiring (optional accessory, sold separately)

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

ACC-HU-KEN1 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
CAM	(+)	Green/Red	Refer to camera/radio manual
CAM	(-)	Green/White	Refer to camera/radio manual
Steering Wheel Controls	(DATA)	Blue/Yellow	Blue/Yellow

ACC-HU-KEN2 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
E-Brake	(-)	LtGreen	LtGreen
Reverse Light*	(+)	Purple/White	Purple/White
Steering Wheel Controls	(DATA)	Blue/Yellow	Blue/Yellow

MODULE DIAGNOSTICS



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

TROUBLESHOOTING TABLE

PROBLEM	SOLUTION
Steering wheel controls do not work but LED on the Maestro does blink when steering wheel buttons are pressed.	<p>Verify the buttons are set up in the flash. If any button is set to "none" for "press once", it will do nothing. "Hold" column can be left as none and the "press once" function will operate with one press and when holding the button.</p> <p>Ensure the blue 4-pin steering wheel control cable is connected between the Maestro and the radio. The radio will use either the 3.5mm jack OR the blue/yellow wire, not both.</p> <p>Connect the 3.5mm jack from the Maestro blue 4-pin cable to the radio's 3.5mm port (labeled steering, remote, or wheel). If no such port exists, wire the blue/yellow to blue/yellow (Kenwood/JVC) or to the radio's Key 1 wire (brands not listed/other) and secure the 3.5mm jack. It will not be used.</p> <p>Refer to radio's owner's manual to verify if the radio has this function: Alpine models with button learning (SW11/2/GND wires on back of radio): Connect blue/yellow wire from the blue 4-pin to the radio's SW11 input. Manually learn the buttons to the radio in the radio steering wheel control menus. JVC/Kenwood - Steering Wheel Control (ON/OFF): choose ON Nakamichi - if model is listed, ensure PAC mode is on. If "other", learn the buttons in the radio steering wheel menu. Sony - Steering Wheel Control (Custom/Preset): choose Preset. If phone buttons do not operate properly, flash the module as Pioneer - 2009 and newer with BT. Then select "custom" instead of "preset" and learn the buttons in the radio menu. Other brands - radio should have a steering wheel menu to learn the buttons. You may have to select type A/B/C/1/2/3 and try learning again if buttons are not saving. Refer to radio manufacturer's tech support for further advice if not learning properly.</p>
The radio doesn't turn on. LED on the Maestro is not flashing.	<p>Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.</p> <p>If installing a modular radio and it is not turning on, ensure the screen is secured and any trim pieces on the radio have been installed fully.</p>
When making a phone call you cannot hear the call, but the caller can hear you.	Switch the 4-pin green and white connectors in the t-harness.
No sound.	Ensure blue/white wire from harness is connected to radio's amp turn on output. This is usually blue/white but varies by radio manufacturer. Verify speaker wire connections and 4 pin connectors (green and white).

MAESTRO SR RESET PROCEDURE:

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

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

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

2007-2018

JEEP WRANGLER JK
AUTOMATIC TRANSMISSION

RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER AND MORE!



+



**HEAD UNIT
ADAPTER READY**

PRODUCTS REQUIRED

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PROGRAMMED FIRMWARE: CH1-SR-AS


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NEED HELP?

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 maestro.support@idatalink.com

ADDITIONAL INFORMATION AND ACCESSORIES

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

AVCH1
(A/V adapter for backup camera retention)

Installation, product information, vehicle specific videos.

[VIDEO HELP](#)



Last flash information, steering control configuration, vehicle information.

[VERIFY FLASH](#)



Software to program module.

[WEBLINK](#)



INSTALLATION INSTRUCTIONS P1/1

BEFORE INSTALLING

- Remove the factory radio.
- Access the main 22 pin factory radio connector **(2.1)** and determine if you have a factory amplifier.

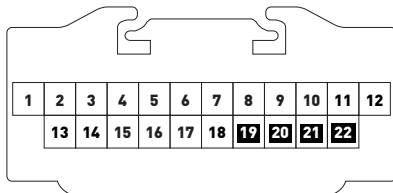


Fig. 2.1

If you don't have wires in PIN 19, 20, 21 and 22, you have a factory amplifier.

If you have wires in PIN 19, 20, 21 and 22, you don't have a factory amplifier

STEP 1

If using head unit adapter (sold separately), connect SR-CH1 harness to adapter and skip to step 2.

- Unbox the aftermarket radio and locate its main harness.
- Cut and remove the black 20 pin connector from the SR-CH1 T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the SR-CH1 T-harness and match the wire functions.

Note: Purple/white is a low current positive output used to trigger the radio only. Do NOT connect to anything other than the radio's reverse input. Refer to radio wire chart for radio's reverse light wire color.

If no camera is installed/desired, do not connect the radio's reverse wire. If installing an aftermarket camera, do NOT connect power for the camera to the Maestro's purple/white wire or module damage will occur.

STEP 2

- Plug the harnesses into the aftermarket radio.
- Connect the steering wheel control cable to the aftermarket radio. Connect either the blue/yellow wire (Kenwood/JVC or radios with SWI/KEY wires) or the 3.5mm to the steering control input of the radio (see Radio Wire Reference Chart for more details).

STEP 3

Without factory AMP:

(HRN-SR-CH1 v1.10) : Plug 4-pin connectors of sCH1 harness, WHITE to WHITE and GREEN to GREEN. Do not use crossover câbles.

(HRN-SR-CH1 v1.0 only):

- Modify WHITE crossover cable as shown in the diagram (cut and flip White and White/Black wires).
- Plug male side of each 4-pin SR-CH1 connector to crossover cable, matching color (see wiring diagram).
- Plug the female 4-pin GREEN sCH1 connector to the male GREEN connector of crossover cable.
- Plug the female 4-pin WHITE sCH1 connector to the male WHITE connector of crossover cable.

With factory AMP:

(HRN-SR-CH1 v1.10) : Plug 4-pin connectors of sCH1 harness, GREEN to WHITE and WHITE to GREEN. Do not use crossover câbles.

(HRN-SR-CH1 v1.0 only):

- Modify WHITE crossover cable as shown in the diagram (cut and flip White and White/Black wires).
- Plug male side of each 4-pin SR-CH1 connector to crossover cable, matching color (see wiring diagram).
- Plug the female 4-pin GREEN sCH1 connector to the male WHITE connector of crossover cable.
- Plug the female 4-pin WHITE sCH1 connector to the male GREEN connector of crossover cable.

STEP 4

- Connect the factory radio harness to the SR-CH1 T-harness.

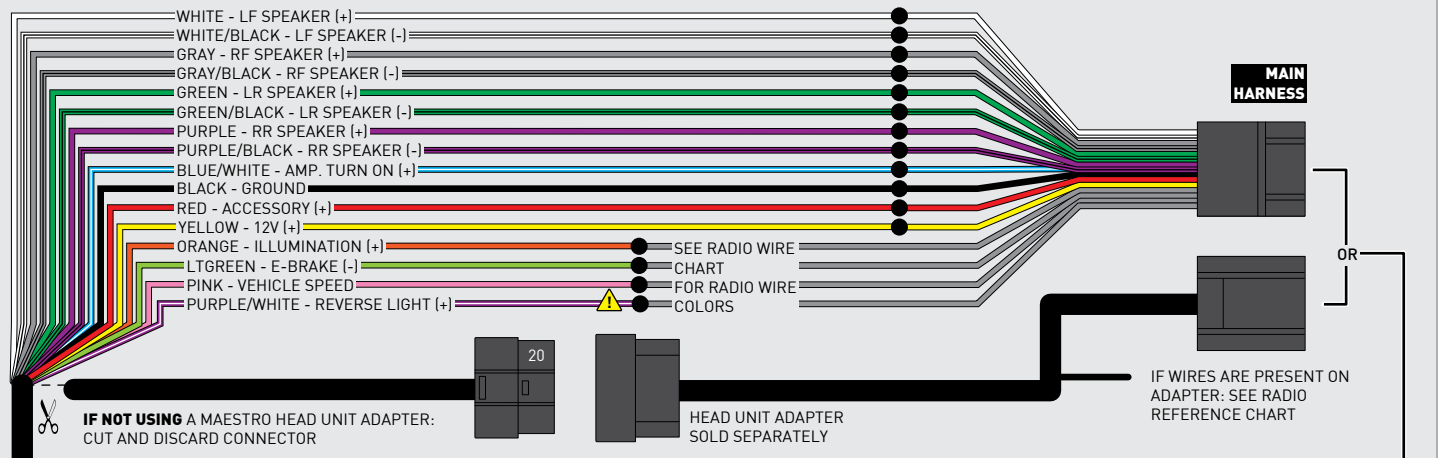
STEP 5

- Connect the SR-CH1 harness to the Maestro SR module.
- Connect the steering wheel control cable.

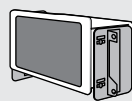
Test your installation.

WIRING DIAGRAM

STEP 1



STEP 2



AFTERMARKET RADIO

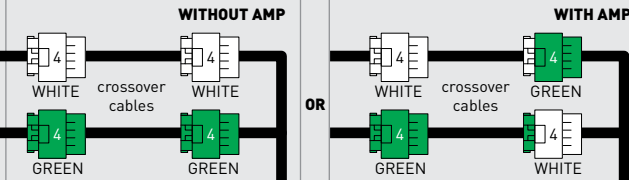
ONLY CONNECT PURPLE/WHITE WIRE TO RADIO REVERSE INPUT, NOT TO A CAMERA OR OTHER ACCESSORY, OR MODULE DAMAGE WILL OCCUR.

STEP 3

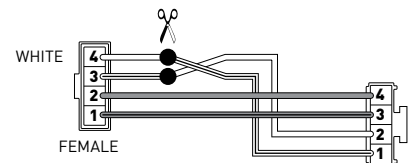
sCH1 HARNESS v1.10 + : PLUG WITHOUT USING CROSSOVER CABLES.

sCH1 HARNESS v1.00 ONLY

- 1- MODIFY WHITE CROSSOVER CABLE AS INDICATED TO THE RIGHT.
- 2- CONNECT CROSSOVER CABLES AS SHOWN BELOW.



sCH1 v1.00 ONLY : WHITE CROSSOVER CABLE MODIFICATION
CUT + FLIP WHITE AND WHITE/BLACK WIRES.



STEP 4

FACTORY RADIO HARNESS

GRAY

22

AMP TURNON

NC

POC1 -

POC2 -

User configurable output - set up during module programming if desired.
Low current negative (~350mA) polarity output used to trigger a relay.

STEP 5

MAESTRO SR MODULE



NOT REQUIRED



RADIO WIRE REFERENCE CHART

CH1 T-harness Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/ JVC cable	Wire Color on Pioneer cable	Wire Color on Sony cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light*	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A

* Reverse light wire: Only connect to radio or module damage will occur.
Other brands, refer to aftermarket radio guide. Some radios may not be equipped with all wires listed.

Description	Polarity	Maestro Steering Wheel Control wire	Radio with Steering Wheel Control Port	*Alpine Radio With SWI1, SWI2, Ground Wires	JVC or Kenwood	*Other Radio Brands With SWI1, SWI2, Ground Wires OR Key1, Key2, Ground Wires
Maestro Steering Wheel Control Cable	(DATA)	3.5mm Jack	3.5mm SWC Input Port	Not Connected (secure the jack)	Not Connected (secure the jack)	Not Connected (secure the jack)
	(DATA)	Blue/Yellow Wire	Not Connected	SWI1 Input	Blue/Yellow Wire	SWI1 Input or Key1 Input

*Manually learn the buttons to the radio in the radio steering wheel control menu.

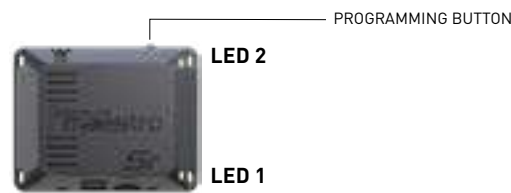
Head unit adapter wiring (optional accessory, sold separately)

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

ACC-HU-KEN1 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
CAM	(+)	Green/Red	Refer to camera/ radio manual
CAM	(-)	Green/White	Refer to camera/ radio manual
Steering Wheel Controls	(DATA)	Blue/Yellow	Blue/Yellow

ACC-HU-KEN2 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
E-Brake	(-)	LtGreen	LtGreen
Reverse Light*	(+)	Purple/White	Purple/White
Steering Wheel Controls	(DATA)	Blue/Yellow	Blue/Yellow

MODULE DIAGNOSTICS



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

TROUBLESHOOTING TABLE

PROBLEM	SOLUTION
Steering wheel controls do not work but LED on the Maestro does blink when steering wheel buttons are pressed.	<p>Verify the buttons are set up in the flash. If any button is set to "none" for "press once", it will do nothing. "Hold" column can be left as none and the "press once" function will operate with one press and when holding the button.</p> <p>Ensure the blue 4-pin steering wheel control cable is connected between the Maestro and the radio. The radio will use either the 3.5mm jack OR the blue/yellow wire, not both.</p> <p>Connect the 3.5mm jack from the Maestro blue 4-pin cable to the radio's 3.5mm port (labeled steering, remote, or wheel). If no such port exists, wire the blue/yellow to blue/yellow (Kenwood/JVC) or to the radio's Key 1 wire (brands not listed/other) and secure the 3.5mm jack. It will not be used.</p> <p>Refer to radio's owner's manual to verify if the radio has this function: Alpine models with button learning (SW11/2/GND wires on back of radio): Connect blue/yellow wire from the blue 4-pin to the radio's SW11 input. Manually learn the buttons to the radio in the radio steering wheel control menus. JVC/Kenwood - Steering Wheel Control (ON/OFF): choose ON Nakamichi - if model is listed, ensure PAC mode is on. If "other", learn the buttons in the radio steering wheel menu. Sony - Steering Wheel Control (Custom/Preset): choose Preset. If phone buttons do not operate properly, flash the module as Pioneer - 2009 and newer with BT. Then select "custom" instead of "preset" and learn the buttons in the radio menu. Other brands - radio should have a steering wheel menu to learn the buttons. You may have to select type A/B/C/1/2/3 and try learning again if buttons are not saving. Refer to radio manufacturer's tech support for further advice if not learning properly.</p>
The radio doesn't turn on. LED on the Maestro is not flashing.	<p>Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.</p> <p>If installing a modular radio and it is not turning on, ensure the screen is secured and any trim pieces on the radio have been installed fully.</p>
When making a phone call you cannot hear the call, but the caller can hear you.	Switch the 4-pin green and white connectors in the t-harness.
No sound.	Ensure blue/white wire from harness is connected to radio's amp turn on output. This is usually blue/white but varies by radio manufacturer. Verify speaker wire connections and 4 pin connectors (green and white).

MAESTRO SR RESET PROCEDURE:

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

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

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

2007-2018

JEEP WRANGLER JK
MANUAL TRANSMISSION

RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER AND MORE!



+



**HEAD UNIT
ADAPTER READY**

PRODUCTS REQUIRED

iDataLink Maestro SR Radio Replacement Interface
iDataLink Maestro SR-CH1 Installation Harness

PROGRAMMED FIRMWARE: CH1-SR-AS


WELCOME

Congratulations on the purchase of your iDatalink Maestro SR 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 SR will only retain functionalities that were originally available in the vehicle.

NEED HELP?

 1 866 427-2999

 maestro.support@idatalink.com

ADDITIONAL INFORMATION AND ACCESSORIES

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

AVCH1
(A/V adapter for backup camera retention)

Installation, product information, vehicle specific videos.

[VIDEO HELP](#)



Last flash information, steering control configuration, vehicle information.

[VERIFY FLASH](#)



Software to program module.

[WEBLINK](#)



INSTALLATION INSTRUCTIONS P1/1

BEFORE INSTALLING

- Remove the factory radio.
- Access the main 22 pin factory radio connector **(2.1)** and determine if you have a factory amplifier.

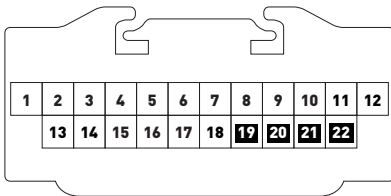


Fig. 2.1

If you don't have wires in PIN 19, 20, 21 and 22, you have a factory amplifier.

If you have wires in PIN 19, 20, 21 and 22, you don't have a factory amplifier

STEP 1

If using head unit adapter (sold separately), connect SR-CH1 harness to adapter and skip to step 2.

- Unbox the aftermarket radio and locate its main harness.
- Cut and remove the black 20 pin connector from the SR-CH1 T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the SR-CH1 T-harness and match the wire functions.

Notes:

- To connect reverse camera, connect REVERSE IN (+) wire from aftermarket radio to White/Gray wire in harness in passenger kick panel.

Refer to radio wire chart for radio's reverse light wire color.

If no camera is installed/desired, do not connect the radio's reverse wire. If installing an aftermarket camera, do NOT connect power for the camera to the Maestro's purple/white wire or module damage will occur.

STEP 2

- Plug the harnesses into the aftermarket radio.
- Connect the steering wheel control cable to the aftermarket radio. Connect either the blue/yellow wire (Kenwood/JVC or radios with SWI/KEY wires) or the 3.5mm to the steering control input of the radio (see Radio Wire Reference Chart for more details).

STEP 3

Without factory AMP:

(HRN-SR-CH1 v1.10) : Plug 4-pin connectors of sCH1 harness, WHITE to WHITE and GREEN to GREEN. Do not use crossover câbles.

(HRN-SR-CH1 v1.0 only):

- Modify WHITE crossover cable as shown in the diagram (cut and flip White and White/Black wires).
- Plug male side of each 4-pin SR-CH1 connector to crossover cable, matching color (see wiring diagram).
- Plug the female 4-pin GREEN sCH1 connector to the male GREEN connector of crossover cable.
- Plug the female 4-pin WHITE sCH1 connector to the male WHITE connector of crossover cable.

With factory AMP:

(HRN-SR-CH1 v1.10) : Plug 4-pin connectors of sCH1 harness, GREEN to WHITE and WHITE to GREEN. Do not use crossover câbles.

(HRN-SR-CH1 v1.0 only):

- Modify WHITE crossover cable as shown in the diagram (cut and flip White and White/Black wires).
- Plug male side of each 4-pin SR-CH1 connector to crossover cable, matching color (see wiring diagram).
- Plug the female 4-pin GREEN sCH1 connector to the male WHITE connector of crossover cable.
- Plug the female 4-pin WHITE sCH1 connector to the male GREEN connector of crossover cable.

STEP 4

- Connect the factory radio harness to the SR-CH1 T-harness.

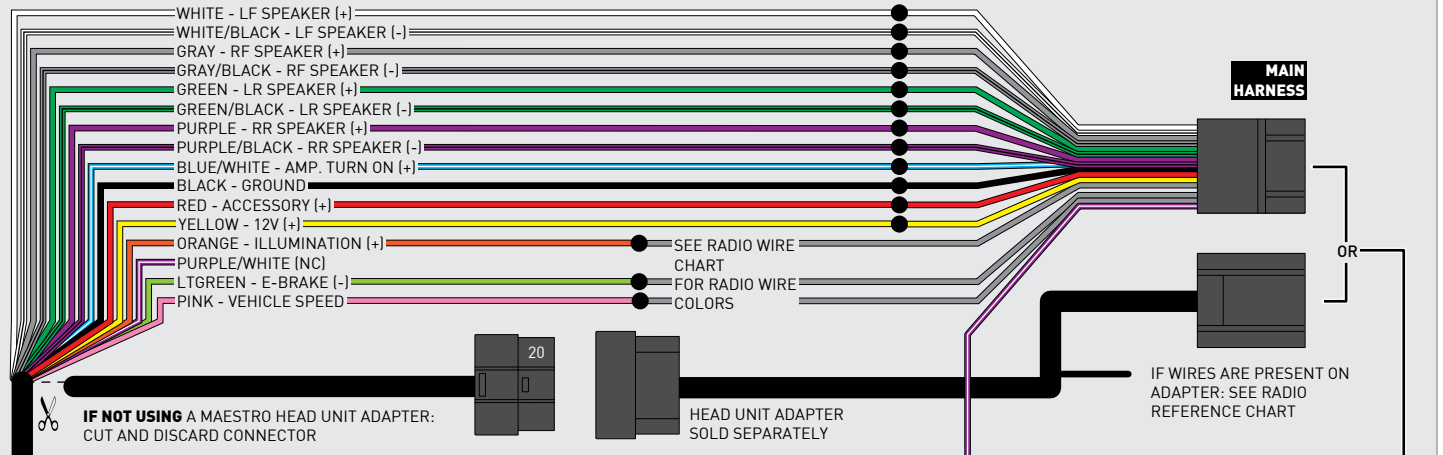
STEP 5

- Connect the SR-CH1 harness to the Maestro SR module.
- Connect the steering wheel control cable.

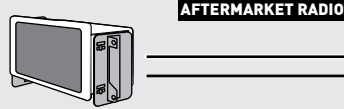
Test your installation.

WIRING DIAGRAM

STEP 1



STEP 2

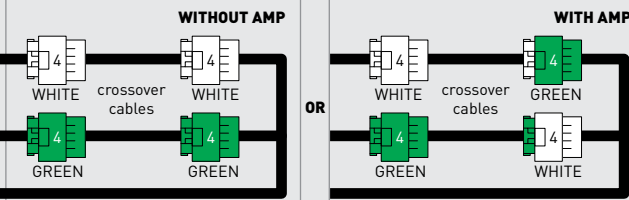


STEP 3

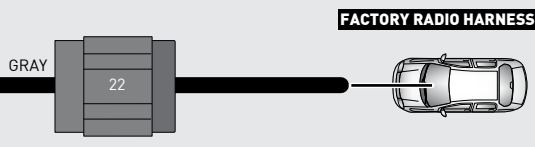
sCH1 HARNESS v1.10 + : PLUG WITHOUT USING CROSSOVER CABLES.

sCH1 HARNESS v1.00 ONLY

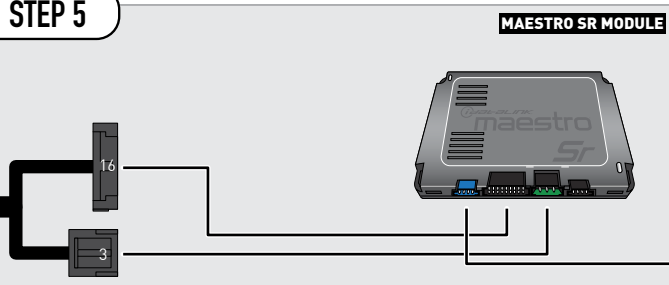
- 1- MODIFY WHITE CROSSOVER CABLE AS INDICATED TO THE RIGHT.
- 2- CONNECT CROSSOVER CABLES AS SHOWN BELOW.



STEP 4

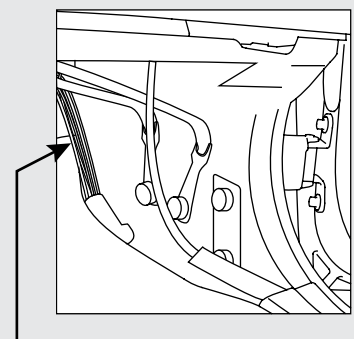


STEP 5



PASSENGER KICK PANEL

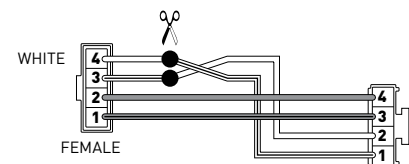
PURPLE/WHITE REVERSE LIGHT (+) * WHITE/GRAY



* IMPORTANT INFORMATIONS IN INSTALLATION INSTRUCTIONS



sCH1 v1.00 ONLY : WHITE CROSSOVER CABLE MODIFICATION CUT + FLIP WHITE AND WHITE/BLACK WIRES.



NOT REQUIRED



RADIO WIRE REFERENCE CHART

CH1 T-harness Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/JVC cable	Wire Color on Pioneer cable	Wire Color on Sony cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light*	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A

* Reverse light wire: Only connect to radio or module damage will occur.
Other brands, refer to aftermarket radio guide. Some radios may not be equipped with all wires listed.

Description	Polarity	Maestro Steering Wheel Control wire	Radio with Steering Wheel Control Port	*Alpine Radio With SWI1, SWI2, Ground Wires	JVC or Kenwood	*Other Radio Brands With SWI1, SWI2, Ground Wires OR Key1, Key2, Ground Wires
Maestro Steering Wheel Control Cable	(DATA)	3.5mm Jack	3.5mm SWC Input Port	Not Connected (secure the jack)	Not Connected (secure the jack)	Not Connected (secure the jack)
	(DATA)	Blue/Yellow Wire	Not Connected	SWI1 Input	Blue/Yellow Wire	SWI1 Input or Key1 Input

*Manually learn the buttons to the radio in the radio steering wheel control menu.

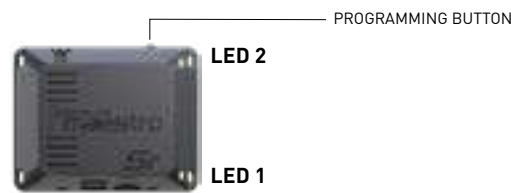
Head unit adapter wiring (optional accessory, sold separately)

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

ACC-HU-KEN1 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
CAM	(+)	Green/Red	Refer to camera/radio manual
CAM	(-)	Green/White	Refer to camera/radio manual
Steering Wheel Controls	(DATA)	Blue/Yellow	Blue/Yellow

ACC-HU-KEN2 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
E-Brake	(-)	LtGreen	LtGreen
Reverse Light*	(+)	Purple/White	Purple/White
Steering Wheel Controls	(DATA)	Blue/Yellow	Blue/Yellow

MODULE DIAGNOSTICS



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

TROUBLESHOOTING TABLE

PROBLEM	SOLUTION
Steering wheel controls do not work but LED on the Maestro does blink when steering wheel buttons are pressed.	<p>Verify the buttons are set up in the flash. If any button is set to "none" for "press once", it will do nothing. "Hold" column can be left as none and the "press once" function will operate with one press and when holding the button.</p> <p>Ensure the blue 4-pin steering wheel control cable is connected between the Maestro and the radio. The radio will use either the 3.5mm jack OR the blue/yellow wire, not both.</p> <p>Connect the 3.5mm jack from the Maestro blue 4-pin cable to the radio's 3.5mm port (labeled steering, remote, or wheel). If no such port exists, wire the blue/yellow to blue/yellow (Kenwood/JVC) or to the radio's Key 1 wire (brands not listed/other) and secure the 3.5mm jack. It will not be used.</p> <p>Refer to radio's owner's manual to verify if the radio has this function: Alpine models with button learning (SW11/2/GND wires on back of radio): Connect blue/yellow wire from the blue 4-pin to the radio's SW11 input. Manually learn the buttons to the radio in the radio steering wheel control menus. JVC/Kenwood - Steering Wheel Control (ON/OFF): choose ON Nakamichi - if model is listed, ensure PAC mode is on. If "other", learn the buttons in the radio steering wheel menu. Sony - Steering Wheel Control (Custom/Preset): choose Preset. If phone buttons do not operate properly, flash the module as Pioneer - 2009 and newer with BT. Then select "custom" instead of "preset" and learn the buttons in the radio menu. Other brands - radio should have a steering wheel menu to learn the buttons. You may have to select type A/B/C/1/2/3 and try learning again if buttons are not saving. Refer to radio manufacturer's tech support for further advice if not learning properly.</p>
The radio doesn't turn on. LED on the Maestro is not flashing.	<p>Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.</p> <p>If installing a modular radio and it is not turning on, ensure the screen is secured and any trim pieces on the radio have been installed fully.</p>
When making a phone call you cannot hear the call, but the caller can hear you.	Switch the 4-pin green and white connectors in the t-harness.
No sound.	Ensure blue/white wire from harness is connected to radio's amp turn on output. This is usually blue/white but varies by radio manufacturer. Verify speaker wire connections and 4 pin connectors (green and white).

MAESTRO SR RESET PROCEDURE:

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

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

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

RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER AND MORE!



+



**HEAD UNIT
ADAPTER READY**

PRODUCTS REQUIRED

iDataLink Maestro SR Radio Replacement Interface
iDataLink Maestro SR-CH1 Installation Harness

PROGRAMMED FIRMWARE: CH1-SR-AS

WELCOME

Congratulations on the purchase of your iDatalink Maestro SR 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 SR will only retain functionalities that were originally available in the vehicle.

NEED HELP?

☎ 1 866 427-2999

✉ maestro.support@idatalink.com

ADDITIONAL INFORMATION AND ACCESSORIES

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

AVCH1
(A/V adapter for backup camera retention)

Installation, product information, vehicle specific videos.

[VIDEO HELP](#)



Last flash information, steering control configuration, vehicle information.

[VERIFY FLASH](#)



Software to program module.

[WEBLINK](#)



INSTALLATION INSTRUCTIONS P1/1

BEFORE INSTALLING

- Remove the factory radio.
- Access the main 22 pin factory radio connector (2.1) and determine if you have a factory amplifier.

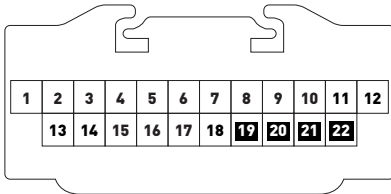


Fig. 2.1

If you don't have wires in PIN 19, 20, 21 and 22, you have a factory amplifier.

If you have wires in PIN 19, 20, 21 and 22, you don't have a factory amplifier

STEP 1

If using head unit adapter (sold separately), connect SR-CH1 harness to adapter and skip to step 2.

- Unbox the aftermarket radio and locate its main harness.
- Cut and remove the black 20 pin connector from the SR-CH1 T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the SR-CH1 T-harness and match the wire functions.

Note: Purple/white is a low current positive output used to trigger the radio only. Do NOT connect to anything other than the radio's reverse input. Refer to radio wire chart for radio's reverse light wire color.

If no camera is installed/desired, do not connect the radio's reverse wire. If installing an aftermarket camera, do NOT connect power for the camera to the Maestro's purple/white wire or module damage will occur.

STEP 2

- Plug the harnesses into the aftermarket radio.
- Connect the steering wheel control cable to the aftermarket radio. Connect either the blue/yellow wire (Kenwood/JVC or radios with SWI/KEY wires) or the 3.5mm to the steering control input of the radio (see Radio Wire Reference Chart for more details).

STEP 3

Without factory AMP:

(HRN-SR-CH1 v1.10) : Plug 4-pin connectors of sCH1 harness, WHITE to WHITE and GREEN to GREEN. Do not use crossover câbles.

(HRN-SR-CH1 v1.0 only):

- Modify WHITE crossover cable as shown in the diagram (cut and flip White and White/Black wires).
- Plug male side of each 4-pin SR-CH1 connector to crossover cable, matching color (see wiring diagram).
- Plug the female 4-pin GREEN sCH1 connector to the male GREEN connector of crossover cable.
- Plug the female 4-pin WHITE sCH1 connector to the male WHITE connector of crossover cable.

With factory AMP:

(HRN-SR-CH1 v1.10) : Plug 4-pin connectors of sCH1 harness, GREEN to WHITE and WHITE to GREEN. Do not use crossover câbles.

(HRN-SR-CH1 v1.0 only):

- Modify WHITE crossover cable as shown in the diagram (cut and flip White and White/Black wires).
- Plug male side of each 4-pin SR-CH1 connector to crossover cable, matching color (see wiring diagram).
- Plug the female 4-pin GREEN sCH1 connector to the male WHITE connector of crossover cable.
- Plug the female 4-pin WHITE sCH1 connector to the male GREEN connector of crossover cable.

STEP 4

- Connect the factory radio harness to the SR-CH1 T-harness.

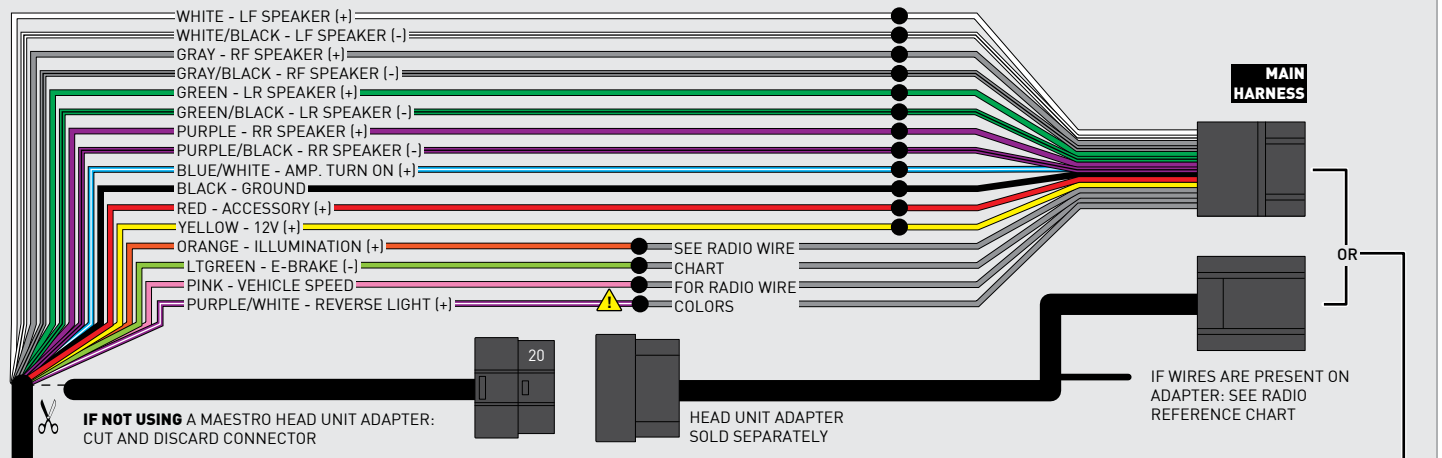
STEP 5

- Connect the SR-CH1 harness to the Maestro SR module.
- Connect the steering wheel control cable.

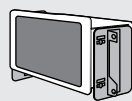
Test your installation.

WIRING DIAGRAM

STEP 1



STEP 2



AFTERMARKET RADIO

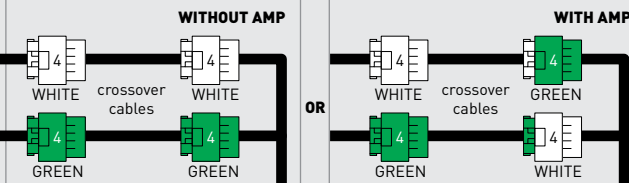
ONLY CONNECT PURPLE/WHITE WIRE TO RADIO REVERSE INPUT, NOT TO A CAMERA OR OTHER ACCESSORY, OR MODULE DAMAGE WILL OCCUR.

STEP 3

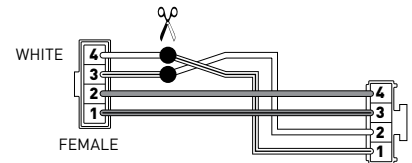
sCH1 HARNESS v1.10 + : PLUG WITHOUT USING CROSSOVER CABLES.

sCH1 HARNESS v1.00 ONLY

- 1- MODIFY WHITE CROSSOVER CABLE AS INDICATED TO THE RIGHT.
- 2- CONNECT CROSSOVER CABLES AS SHOWN BELOW.



sCH1 v1.00 ONLY : WHITE CROSSOVER CABLE MODIFICATION
CUT + FLIP WHITE AND WHITE/BLACK WIRES.



STEP 4

FACTORY RADIO HARNESS



AMP TURNON

NC

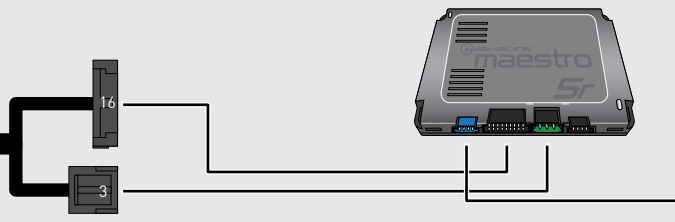
POC1 -

POC2 -

User configurable output - set up during module programming if desired.
Low current negative (~350mA) polarity output used to trigger a relay.

STEP 5

MAESTRO SR MODULE



NOT REQUIRED



RADIO WIRE REFERENCE CHART

CH1 T-harness Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/ JVC cable	Wire Color on Pioneer cable	Wire Color on Sony cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light*	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A

* Reverse light wire: Only connect to radio or module damage will occur.
Other brands, refer to aftermarket radio guide. Some radios may not be equipped with all wires listed.

Description	Polarity	Maestro Steering Wheel Control wire	Radio with Steering Wheel Control Port	*Alpine Radio With SWI1, SWI2, Ground Wires	JVC or Kenwood	*Other Radio Brands With SWI1, SWI2, Ground Wires OR Key1, Key2, Ground Wires
Maestro Steering Wheel Control Cable	(DATA)	3.5mm Jack	3.5mm SWC Input Port	Not Connected (secure the jack)	Not Connected (secure the jack)	Not Connected (secure the jack)
	(DATA)	Blue/Yellow Wire	Not Connected	SWI1 Input	Blue/Yellow Wire	SWI1 Input or Key1 Input

*Manually learn the buttons to the radio in the radio steering wheel control menu.

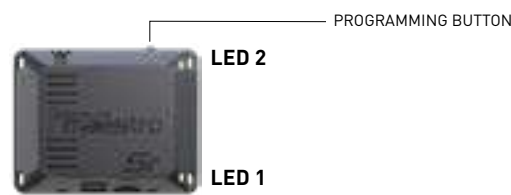
Head unit adapter wiring (optional accessory, sold separately)

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

ACC-HU-KEN1 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
CAM	(+)	Green/Red	Refer to camera/ radio manual
CAM	(-)	Green/White	Refer to camera/ radio manual
Steering Wheel Controls	(DATA)	Blue/Yellow	Blue/Yellow

ACC-HU-KEN2 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
E-Brake	(-)	LtGreen	LtGreen
Reverse Light*	(+)	Purple/White	Purple/White
Steering Wheel Controls	(DATA)	Blue/Yellow	Blue/Yellow

MODULE DIAGNOSTICS



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

TROUBLESHOOTING TABLE

PROBLEM	SOLUTION
Steering wheel controls do not work but LED on the Maestro does blink when steering wheel buttons are pressed.	<p>Verify the buttons are set up in the flash. If any button is set to "none" for "press once", it will do nothing. "Hold" column can be left as none and the "press once" function will operate with one press and when holding the button.</p> <p>Ensure the blue 4-pin steering wheel control cable is connected between the Maestro and the radio. The radio will use either the 3.5mm jack OR the blue/yellow wire, not both.</p> <p>Connect the 3.5mm jack from the Maestro blue 4-pin cable to the radio's 3.5mm port (labeled steering, remote, or wheel). If no such port exists, wire the blue/yellow to blue/yellow (Kenwood/JVC) or to the radio's Key 1 wire (brands not listed/other) and secure the 3.5mm jack. It will not be used.</p> <p>Refer to radio's owner's manual to verify if the radio has this function: Alpine models with button learning (SW11/2/GND wires on back of radio): Connect blue/yellow wire from the blue 4-pin to the radio's SW11 input. Manually learn the buttons to the radio in the radio steering wheel control menus. JVC/Kenwood - Steering Wheel Control (ON/OFF): choose ON Nakamichi - if model is listed, ensure PAC mode is on. If "other", learn the buttons in the radio steering wheel menu. Sony - Steering Wheel Control (Custom/Preset): choose Preset. If phone buttons do not operate properly, flash the module as Pioneer - 2009 and newer with BT. Then select "custom" instead of "preset" and learn the buttons in the radio menu. Other brands - radio should have a steering wheel menu to learn the buttons. You may have to select type A/B/C/1/2/3 and try learning again if buttons are not saving. Refer to radio manufacturer's tech support for further advice if not learning properly.</p>
The radio doesn't turn on. LED on the Maestro is not flashing.	<p>Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.</p> <p>If installing a modular radio and it is not turning on, ensure the screen is secured and any trim pieces on the radio have been installed fully.</p>
When making a phone call you cannot hear the call, but the caller can hear you.	Switch the 4-pin green and white connectors in the t-harness.
No sound.	Ensure blue/white wire from harness is connected to radio's amp turn on output. This is usually blue/white but varies by radio manufacturer. Verify speaker wire connections and 4 pin connectors (green and white).

MAESTRO SR RESET PROCEDURE:

Turn the key to the OFF position, then disconnect all connectors from the module.

Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).

Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds to show the reset was successful.

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

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

RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER AND MORE!



+



**HEAD UNIT
ADAPTER READY**

PRODUCTS REQUIRED

iDataLink Maestro SR Radio Replacement Interface
iDataLink Maestro SR-CH1 Installation Harness

PROGRAMMED FIRMWARE: CH1-SR-AS


WELCOME

Congratulations on the purchase of your iDatalink Maestro SR 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 SR will only retain functionalities that were originally available in the vehicle.

NEED HELP?

 1 866 427-2999

 maestro.support@idatalink.com

ADDITIONAL INFORMATION AND ACCESSORIES

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

AVCH1

(A/V adapter for backup camera retention)

Installation, product information, vehicle specific videos.

[VIDEO HELP](#)



Last flash information, steering control configuration, vehicle information.

[VERIFY FLASH](#)



Software to program module.

[WEBLINK](#)



INSTALLATION INSTRUCTIONS P1/1

BEFORE INSTALLING

- Remove the factory radio.
- Access the main 22 pin factory radio connector **(2.1)** and determine if you have a factory amplifier.

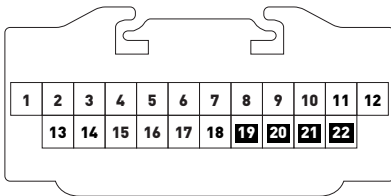


Fig. 2.1

If you don't have wires in PIN 19, 20, 21 and 22, you have a factory amplifier.

If you have wires in PIN 19, 20, 21 and 22, you don't have a factory amplifier

STEP 1

If using head unit adapter (sold separately), connect SR-CH1 harness to adapter and skip to step 2.

- Unbox the aftermarket radio and locate its main harness.
- Cut and remove the black 20 pin connector from the SR-CH1 T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the SR-CH1 T-harness and match the wire functions.

Note: Purple/white is a low current positive output used to trigger the radio only. Do NOT connect to anything other than the radio's reverse input. Refer to radio wire chart for radio's reverse light wire color.

If no camera is installed/desired, do not connect the radio's reverse wire. If installing an aftermarket camera, do NOT connect power for the camera to the Maestro's purple/white wire or module damage will occur.

STEP 2

- Plug the harnesses into the aftermarket radio.
- Connect the steering wheel control cable to the aftermarket radio. Connect either the blue/yellow wire (Kenwood/JVC or radios with SWI/KEY wires) or the 3.5mm to the steering control input of the radio (see Radio Wire Reference Chart for more details).

STEP 3

Without factory AMP:

(HRN-SR-CH1 v1.10) : Plug 4-pin connectors of sCH1 harness, WHITE to WHITE and GREEN to GREEN. Do not use crossover câbles.

(HRN-SR-CH1 v1.0 only):

- Modify WHITE crossover cable as shown in the diagram (cut and flip White and White/Black wires).
- Plug male side of each 4-pin SR-CH1 connector to crossover cable, matching color (see wiring diagram).
- Plug the female 4-pin GREEN sCH1 connector to the male GREEN connector of crossover cable.
- Plug the female 4-pin WHITE sCH1 connector to the male WHITE connector of crossover cable.

With factory AMP:

(HRN-SR-CH1 v1.10) : Plug 4-pin connectors of sCH1 harness, GREEN to WHITE and WHITE to GREEN. Do not use crossover câbles.

(HRN-SR-CH1 v1.0 only):

- Modify WHITE crossover cable as shown in the diagram (cut and flip White and White/Black wires).
- Plug male side of each 4-pin SR-CH1 connector to crossover cable, matching color (see wiring diagram).
- Plug the female 4-pin GREEN sCH1 connector to the male WHITE connector of crossover cable.
- Plug the female 4-pin WHITE sCH1 connector to the male GREEN connector of crossover cable.

STEP 4

- Connect the factory radio harness to the SR-CH1 T-harness.

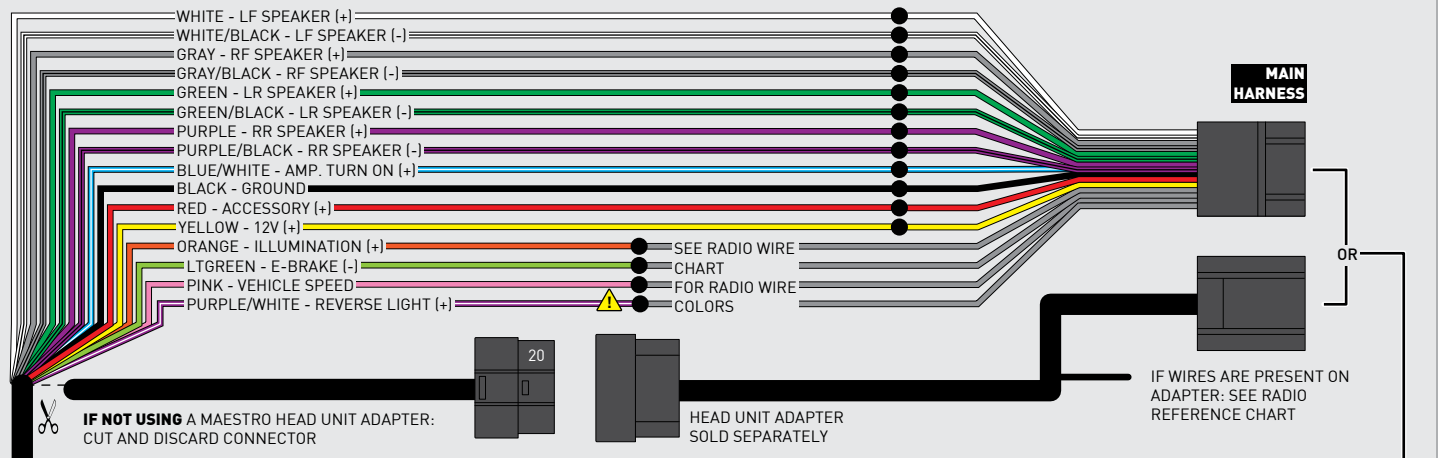
STEP 5

- Connect the SR-CH1 harness to the Maestro SR module.
- Connect the steering wheel control cable.

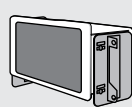
Test your installation.

WIRING DIAGRAM

STEP 1



STEP 2



AFTERMARKET RADIO

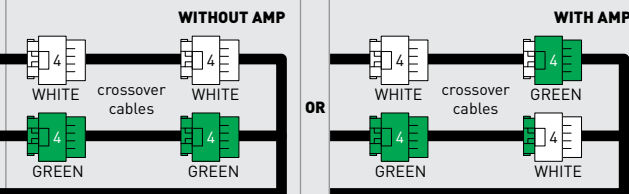
ONLY CONNECT PURPLE/WHITE WIRE TO RADIO REVERSE INPUT, NOT TO A CAMERA OR OTHER ACCESSORY, OR MODULE DAMAGE WILL OCCUR.

STEP 3

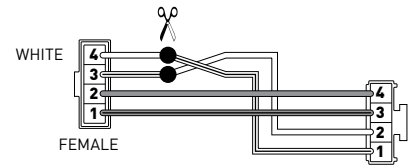
sCH1 HARNESS v1.10 + : PLUG WITHOUT USING CROSSOVER CABLES.

sCH1 HARNESS v1.00 ONLY

- 1- MODIFY WHITE CROSSOVER CABLE AS INDICATED TO THE RIGHT.
- 2- CONNECT CROSSOVER CABLES AS SHOWN BELOW.



sCH1 v1.00 ONLY : WHITE CROSSOVER CABLE MODIFICATION CUT + FLIP WHITE AND WHITE/BLACK WIRES.



STEP 4

FACTORY RADIO HARNESS

GRAY

22

AMP TURNON

NC

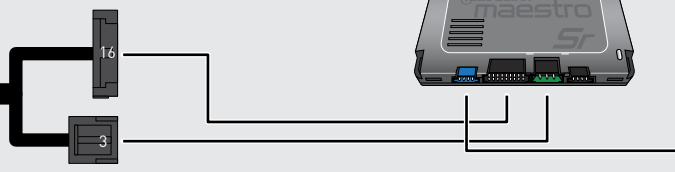
POC1 -

POC2 -

User configurable output - set up during module programming if desired.
Low current negative (~350mA) polarity output used to trigger a relay.

STEP 5

MAESTRO SR MODULE



NOT REQUIRED



RADIO WIRE REFERENCE CHART

CH1 T-harness Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/JVC cable	Wire Color on Pioneer cable	Wire Color on Sony cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light*	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A

* Reverse light wire: Only connect to radio or module damage will occur.
Other brands, refer to aftermarket radio guide. Some radios may not be equipped with all wires listed.

Description	Polarity	Maestro Steering Wheel Control wire	Radio with Steering Wheel Control Port	*Alpine Radio With SWI1, SWI2, Ground Wires	JVC or Kenwood	*Other Radio Brands With SWI1, SWI2, Ground Wires OR Key1, Key2, Ground Wires
Maestro Steering Wheel Control Cable	(DATA)	3.5mm Jack	3.5mm SWC Input Port	Not Connected (secure the jack)	Not Connected (secure the jack)	Not Connected (secure the jack)
	(DATA)	Blue/Yellow Wire	Not Connected	SWI1 Input	Blue/Yellow Wire	SWI1 Input or Key1 Input

*Manually learn the buttons to the radio in the radio steering wheel control menu.

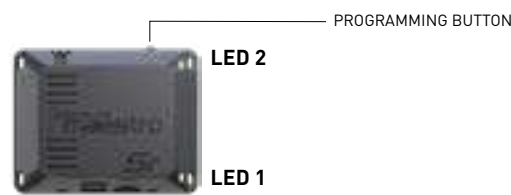
Head unit adapter wiring (optional accessory, sold separately)

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

ACC-HU-KEN1 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
CAM	(+)	Green/Red	Refer to camera/radio manual
CAM	(-)	Green/White	Refer to camera/radio manual
Steering Wheel Controls	(DATA)	Blue/Yellow	Blue/Yellow

ACC-HU-KEN2 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
E-Brake	(-)	LtGreen	LtGreen
Reverse Light*	(+)	Purple/White	Purple/White
Steering Wheel Controls	(DATA)	Blue/Yellow	Blue/Yellow

MODULE DIAGNOSTICS



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

TROUBLESHOOTING TABLE

PROBLEM	SOLUTION
Steering wheel controls do not work but LED on the Maestro does blink when steering wheel buttons are pressed.	<p>Verify the buttons are set up in the flash. If any button is set to "none" for "press once", it will do nothing. "Hold" column can be left as none and the "press once" function will operate with one press and when holding the button.</p> <p>Ensure the blue 4-pin steering wheel control cable is connected between the Maestro and the radio. The radio will use either the 3.5mm jack OR the blue/yellow wire, not both.</p> <p>Connect the 3.5mm jack from the Maestro blue 4-pin cable to the radio's 3.5mm port (labeled steering, remote, or wheel). If no such port exists, wire the blue/yellow to blue/yellow (Kenwood/JVC) or to the radio's Key 1 wire (brands not listed/other) and secure the 3.5mm jack. It will not be used.</p> <p>Refer to radio's owner's manual to verify if the radio has this function: Alpine models with button learning (SW11/2/GND wires on back of radio): Connect blue/yellow wire from the blue 4-pin to the radio's SW11 input. Manually learn the buttons to the radio in the radio steering wheel control menus. JVC/Kenwood - Steering Wheel Control (ON/OFF): choose ON Nakamichi - if model is listed, ensure PAC mode is on. If "other", learn the buttons in the radio steering wheel menu. Sony - Steering Wheel Control (Custom/Preset): choose Preset. If phone buttons do not operate properly, flash the module as Pioneer - 2009 and newer with BT. Then select "custom" instead of "preset" and learn the buttons in the radio menu. Other brands - radio should have a steering wheel menu to learn the buttons. You may have to select type A/B/C/1/2/3 and try learning again if buttons are not saving. Refer to radio manufacturer's tech support for further advice if not learning properly.</p>
The radio doesn't turn on. LED on the Maestro is not flashing.	<p>Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.</p> <p>If installing a modular radio and it is not turning on, ensure the screen is secured and any trim pieces on the radio have been installed fully.</p>
When making a phone call you cannot hear the call, but the caller can hear you.	Switch the 4-pin green and white connectors in the t-harness.
No sound.	Ensure blue/white wire from harness is connected to radio's amp turn on output. This is usually blue/white but varies by radio manufacturer. Verify speaker wire connections and 4 pin connectors (green and white).

MAESTRO SR RESET PROCEDURE:

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

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

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

RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER AND MORE!



+



**HEAD UNIT
ADAPTER READY**

PRODUCTS REQUIRED

iDataLink Maestro SR Radio Replacement Interface
iDataLink Maestro SR-CH1 Installation Harness

PROGRAMMED FIRMWARE: CH1-SR-AS


WELCOME

Congratulations on the purchase of your iDatalink Maestro SR 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 SR will only retain functionalities that were originally available in the vehicle.

NEED HELP?

 1 866 427-2999

 maestro.support@idatalink.com

ADDITIONAL INFORMATION AND ACCESSORIES

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

AVCH1
(A/V adapter for backup camera retention only)

Installation, product information, vehicle specific videos.

[VIDEO HELP](#)



Last flash information, steering control configuration, vehicle information.

[VERIFY FLASH](#)



Software to program module.

[WEBLINK](#)



INSTALLATION INSTRUCTIONS P1/1

BEFORE INSTALLING

- Remove the factory radio.
- Access the main 22 pin factory radio connector (2.1) and determine if you have a factory amplifier.

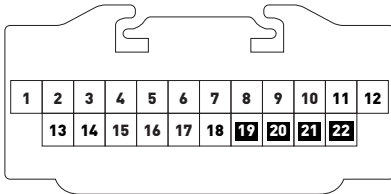


Fig. 2.1

If you don't have wires in PIN 19, 20, 21 and 22, you have a factory amplifier.

If you have wires in PIN 19, 20, 21 and 22, you don't have a factory amplifier

STEP 1

If using head unit adapter (sold separately), connect SR-CH1 harness to adapter and skip to step 2.

- Unbox the aftermarket radio and locate its main harness.
- Cut and remove the black 20 pin connector from the SR-CH1 T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the SR-CH1 T-harness and match the wire functions.

Note: Purple/white is a low current positive output used to trigger the radio only. Do NOT connect to anything other than the radio's reverse input. Refer to radio wire chart for radio's reverse light wire color.

If no camera is installed/desired, do not connect the radio's reverse wire. If installing an aftermarket camera, do NOT connect power for the camera to the Maestro's purple/white wire or module damage will occur.

STEP 2

- Plug the harnesses into the aftermarket radio.
- Connect the steering wheel control cable to the aftermarket radio. Connect either the blue/yellow wire (Kenwood/JVC or radios with SWI/KEY wires) or the 3.5mm to the steering control input of the radio (see Radio Wire Reference Chart for more details).

STEP 3

Without factory AMP:

(HRN-SR-CH1 v1.10) : Plug 4-pin connectors of sCH1 harness, WHITE to WHITE and GREEN to GREEN. Do not use crossover câbles.

(HRN-SR-CH1 v1.0 only):

- Modify WHITE crossover cable as shown in the diagram (cut and flip White and White/Black wires).
- Plug male side of each 4-pin SR-CH1 connector to crossover cable, matching color (see wiring diagram).
- Plug the female 4-pin GREEN sCH1 connector to the male GREEN connector of crossover cable.
- Plug the female 4-pin WHITE sCH1 connector to the male WHITE connector of crossover cable.

With factory AMP:

(HRN-SR-CH1 v1.10) : Plug 4-pin connectors of sCH1 harness, GREEN to WHITE and WHITE to GREEN. Do not use crossover câbles.

(HRN-SR-CH1 v1.0 only):

- Modify WHITE crossover cable as shown in the diagram (cut and flip White and White/Black wires).
- Plug male side of each 4-pin SR-CH1 connector to crossover cable, matching color (see wiring diagram).
- Plug the female 4-pin GREEN sCH1 connector to the male WHITE connector of crossover cable.
- Plug the female 4-pin WHITE sCH1 connector to the male GREEN connector of crossover cable.

STEP 4

- Connect the factory radio harness to the SR-CH1 T-harness.

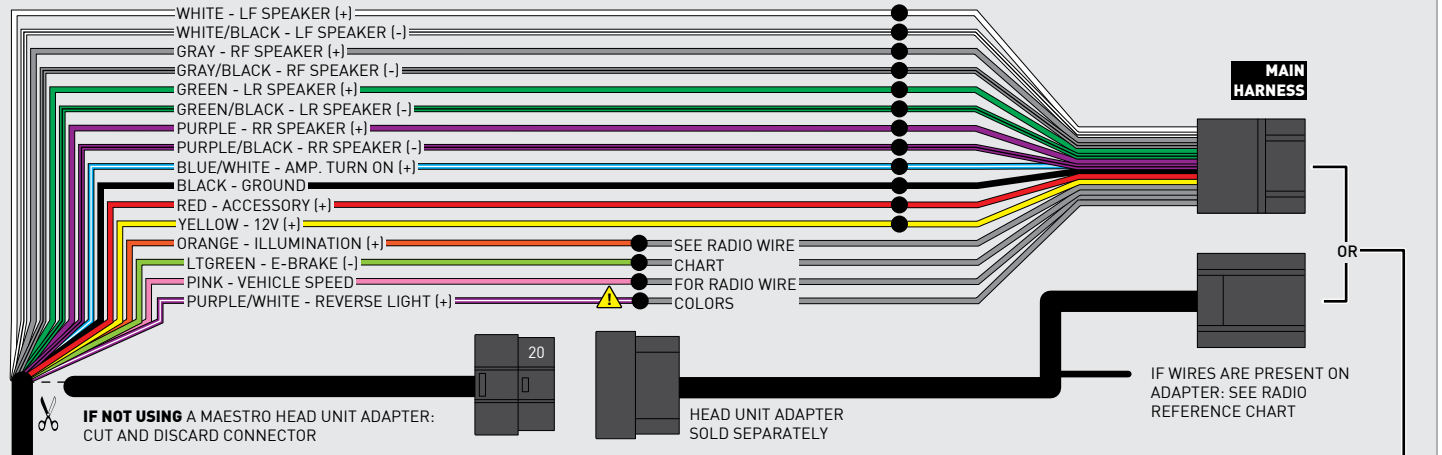
STEP 5

- Connect the SR-CH1 harness to the Maestro SR module.
- Connect the steering wheel control cable.

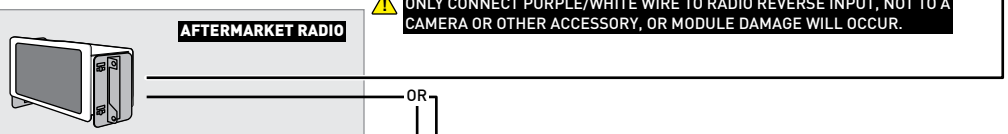
Test your installation.

WIRING DIAGRAM

STEP 1



STEP 2

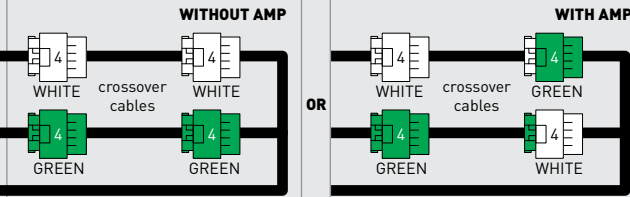


STEP 3

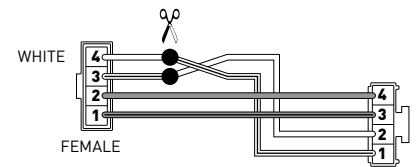
sCH1 HARNESS v1.10 + : PLUG WITHOUT USING CROSSOVER CABLES.

sCH1 HARNESS v1.00 ONLY

- 1- MODIFY WHITE CROSSOVER CABLE AS INDICATED TO THE RIGHT.
- 2- CONNECT CROSSOVER CABLES AS SHOWN BELOW.



sCH1 v1.00 ONLY : WHITE CROSSOVER CABLE MODIFICATION
CUT + FLIP WHITE AND WHITE/BLACK WIRES.



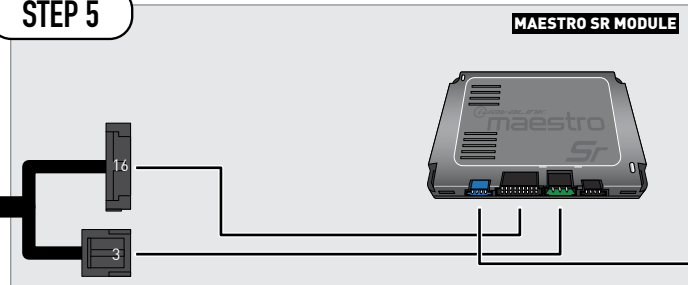
STEP 4



POC1 -
POC2 -

User configurable output - set up during module programming if desired.
Low current negative (-350mA) polarity output used to trigger a relay.

STEP 5



NOT REQUIRED



RADIO WIRE REFERENCE CHART

CH1 T-harness Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/ JVC cable	Wire Color on Pioneer cable	Wire Color on Sony cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light*	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A

* Reverse light wire: Only connect to radio or module damage will occur.
Other brands, refer to aftermarket radio guide. Some radios may not be equipped with all wires listed.

Description	Polarity	Maestro Steering Wheel Control wire	Radio with Steering Wheel Control Port	*Alpine Radio With SWI1, SWI2, Ground Wires	JVC or Kenwood	*Other Radio Brands With SWI1, SWI2, Ground Wires OR Key1, Key2, Ground Wires
Maestro Steering Wheel Control Cable	(DATA)	3.5mm Jack	3.5mm SWC Input Port	Not Connected (secure the jack)	Not Connected (secure the jack)	Not Connected (secure the jack)
	(DATA)	Blue/Yellow Wire	Not Connected	SWI1 Input	Blue/Yellow Wire	SWI1 Input or Key1 Input

*Manually learn the buttons to the radio in the radio steering wheel control menu.

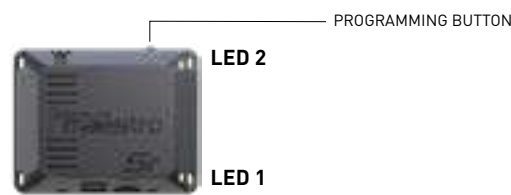
Head unit adapter wiring (optional accessory, sold separately)

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

ACC-HU-KEN1 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
CAM	(+)	Green/Red	Refer to camera/ radio manual
CAM	(-)	Green/White	Refer to camera/ radio manual
Steering Wheel Controls	(DATA)	Blue/Yellow	Blue/Yellow

ACC-HU-KEN2 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
E-Brake	(-)	LtGreen	LtGreen
Reverse Light*	(+)	Purple/White	Purple/White
Steering Wheel Controls	(DATA)	Blue/Yellow	Blue/Yellow

MODULE DIAGNOSTICS



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

TROUBLESHOOTING TABLE

PROBLEM	SOLUTION
Steering wheel controls do not work but LED on the Maestro does blink when steering wheel buttons are pressed.	<p>Verify the buttons are set up in the flash. If any button is set to "none" for "press once", it will do nothing. "Hold" column can be left as none and the "press once" function will operate with one press and when holding the button.</p> <p>Ensure the blue 4-pin steering wheel control cable is connected between the Maestro and the radio. The radio will use either the 3.5mm jack OR the blue/yellow wire, not both.</p> <p>Connect the 3.5mm jack from the Maestro blue 4-pin cable to the radio's 3.5mm port (labeled steering, remote, or wheel). If no such port exists, wire the blue/yellow to blue/yellow (Kenwood/JVC) or to the radio's Key 1 wire (brands not listed/other) and secure the 3.5mm jack. It will not be used.</p> <p>Refer to radio's owner's manual to verify if the radio has this function: Alpine models with button learning (SW11/2/GND wires on back of radio): Connect blue/yellow wire from the blue 4-pin to the radio's SW11 input. Manually learn the buttons to the radio in the radio steering wheel control menus. JVC/Kenwood - Steering Wheel Control (ON/OFF): choose ON Nakamichi - if model is listed, ensure PAC mode is on. If "other", learn the buttons in the radio steering wheel menu. Sony - Steering Wheel Control (Custom/Preset): choose Preset. If phone buttons do not operate properly, flash the module as Pioneer - 2009 and newer with BT. Then select "custom" instead of "preset" and learn the buttons in the radio menu. Other brands - radio should have a steering wheel menu to learn the buttons. You may have to select type A/B/C/1/2/3 and try learning again if buttons are not saving. Refer to radio manufacturer's tech support for further advice if not learning properly.</p>
The radio doesn't turn on. LED on the Maestro is not flashing.	<p>Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.</p> <p>If installing a modular radio and it is not turning on, ensure the screen is secured and any trim pieces on the radio have been installed fully.</p>
When making a phone call you cannot hear the call, but the caller can hear you.	Switch the 4-pin green and white connectors in the t-harness.
No sound.	Ensure blue/white wire from harness is connected to radio's amp turn on output. This is usually blue/white but varies by radio manufacturer. Verify speaker wire connections and 4 pin connectors (green and white).

MAESTRO SR RESET PROCEDURE:

Turn the key to the OFF position, then disconnect all connectors from the module.

Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).

Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds to show the reset was successful.

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

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

RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER AND MORE!



+



**HEAD UNIT
ADAPTER READY**

PRODUCTS REQUIRED

iDataLink Maestro SR Radio Replacement Interface
iDataLink Maestro SR-CH1 Installation Harness

PROGRAMMED FIRMWARE: CH1-SR-AS


WELCOME

Congratulations on the purchase of your iDatalink Maestro SR 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 SR will only retain functionalities that were originally available in the vehicle.

NEED HELP?

 1 866 427-2999

 maestro.support@idatalink.com

ADDITIONAL INFORMATION AND ACCESSORIES

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

AVCH1
(A/V adapter for backup camera retention)

Installation, product information, vehicle specific videos.

[VIDEO HELP](#)



Last flash information, steering control configuration, vehicle information.

[VERIFY FLASH](#)



Software to program module.

[WEBLINK](#)



INSTALLATION INSTRUCTIONS P1/1

BEFORE INSTALLING

- Remove the factory radio.
- Access the main 22 pin factory radio connector **(2.1)** and determine if you have a factory amplifier.

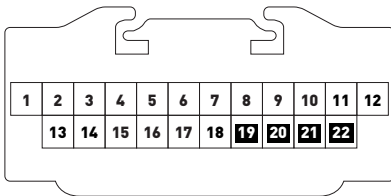


Fig. 2.1

If you don't have wires in PIN 19, 20, 21 and 22, you have a factory amplifier.

If you have wires in PIN 19, 20, 21 and 22, you don't have a factory amplifier

STEP 1

If using head unit adapter (sold separately), connect SR-CH1 harness to adapter and skip to step 2.

- Unbox the aftermarket radio and locate its main harness.
- Cut and remove the black 20 pin connector from the SR-CH1 T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the SR-CH1 T-harness and match the wire functions.

Note: Purple/white is a low current positive output used to trigger the radio only. Do NOT connect to anything other than the radio's reverse input. Refer to radio wire chart for radio's reverse light wire color.

If no camera is installed/desired, do not connect the radio's reverse wire. If installing an aftermarket camera, do NOT connect power for the camera to the Maestro's purple/white wire or module damage will occur.

STEP 2

- Plug the harnesses into the aftermarket radio.
- Connect the steering wheel control cable to the aftermarket radio. Connect either the blue/yellow wire (Kenwood/JVC or radios with SWI/KEY wires) or the 3.5mm to the steering control input of the radio (see Radio Wire Reference Chart for more details).

STEP 3

Without factory AMP:

(HRN-SR-CH1 v1.10) : Plug 4-pin connectors of sCH1 harness, WHITE to WHITE and GREEN to GREEN. Do not use crossover câbles.

(HRN-SR-CH1 v1.0 only):

- Modify WHITE crossover cable as shown in the diagram (cut and flip White and White/Black wires).
- Plug male side of each 4-pin SR-CH1 connector to crossover cable, matching color (see wiring diagram).
- Plug the female 4-pin GREEN sCH1 connector to the male GREEN connector of crossover cable.
- Plug the female 4-pin WHITE sCH1 connector to the male WHITE connector of crossover cable.

With factory AMP:

(HRN-SR-CH1 v1.10) : Plug 4-pin connectors of sCH1 harness, GREEN to WHITE and WHITE to GREEN. Do not use crossover câbles.

(HRN-SR-CH1 v1.0 only):

- Modify WHITE crossover cable as shown in the diagram (cut and flip White and White/Black wires).
- Plug male side of each 4-pin SR-CH1 connector to crossover cable, matching color (see wiring diagram).
- Plug the female 4-pin GREEN sCH1 connector to the male WHITE connector of crossover cable.
- Plug the female 4-pin WHITE sCH1 connector to the male GREEN connector of crossover cable.

STEP 4

- Connect the factory radio harness to the SR-CH1 T-harness.

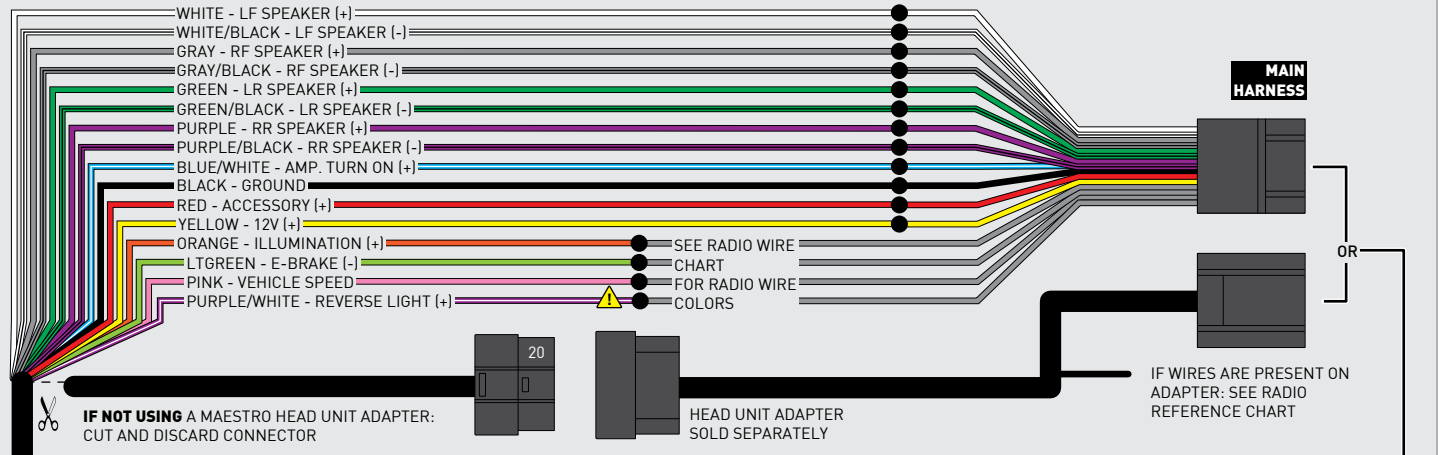
STEP 5

- Connect the SR-CH1 harness to the Maestro SR module.
- Connect the steering wheel control cable.

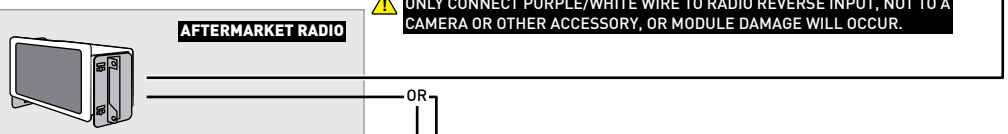
Test your installation.

WIRING DIAGRAM

STEP 1



STEP 2

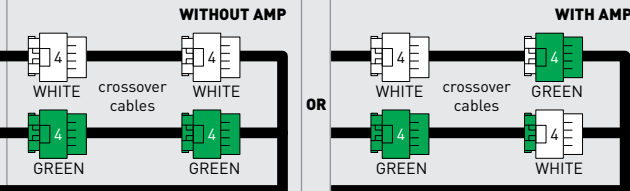


STEP 3

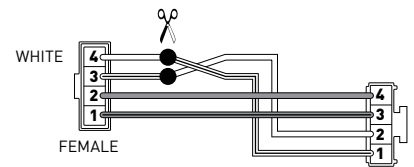
sCH1 HARNESS v1.10 + : PLUG WITHOUT USING CROSSOVER CABLES.

sCH1 HARNESS v1.00 ONLY

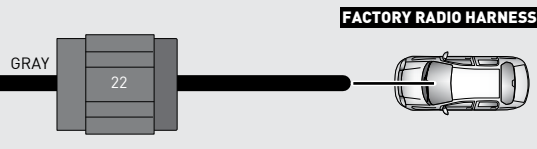
- 1- MODIFY WHITE CROSSOVER CABLE AS INDICATED TO THE RIGHT.
- 2- CONNECT CROSSOVER CABLES AS SHOWN BELOW.



sCH1 v1.00 ONLY : WHITE CROSSOVER CABLE MODIFICATION CUT + FLIP WHITE AND WHITE/BLACK WIRES.

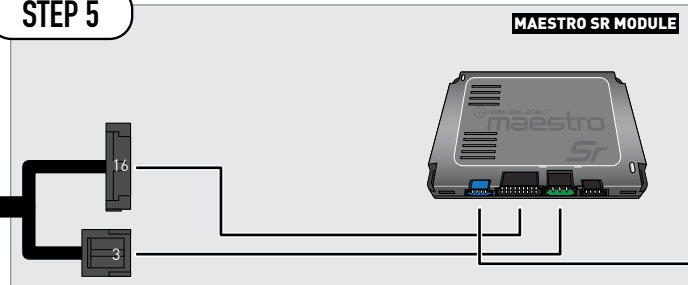


STEP 4



POC1 - User configurable output - set up during module programming if desired.
POC2 - Low current negative (-350mA) polarity output used to trigger a relay.

STEP 5



NOT REQUIRED



RADIO WIRE REFERENCE CHART

CH1 T-harness Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/ JVC cable	Wire Color on Pioneer cable	Wire Color on Sony cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light*	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A

* Reverse light wire: Only connect to radio or module damage will occur.
Other brands, refer to aftermarket radio guide. Some radios may not be equipped with all wires listed.

Description	Polarity	Maestro Steering Wheel Control wire	Radio with Steering Wheel Control Port	*Alpine Radio With SWI1, SWI2, Ground Wires	JVC or Kenwood	*Other Radio Brands With SWI1, SWI2, Ground Wires OR Key1, Key2, Ground Wires
Maestro Steering Wheel Control Cable	(DATA)	3.5mm Jack	3.5mm SWC Input Port	Not Connected (secure the jack)	Not Connected (secure the jack)	Not Connected (secure the jack)
	(DATA)	Blue/Yellow Wire	Not Connected	SWI1 Input	Blue/Yellow Wire	SWI1 Input or Key1 Input

*Manually learn the buttons to the radio in the radio steering wheel control menu.

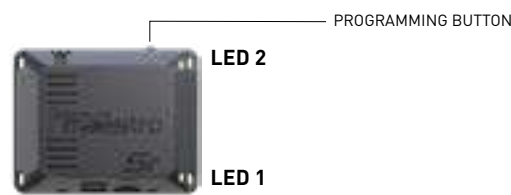
Head unit adapter wiring (optional accessory, sold separately)

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

ACC-HU-KEN1 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
CAM	(+)	Green/Red	Refer to camera/ radio manual
CAM	(-)	Green/White	Refer to camera/ radio manual
Steering Wheel Controls	(DATA)	Blue/Yellow	Blue/Yellow

ACC-HU-KEN2 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
E-Brake	(-)	LtGreen	LtGreen
Reverse Light*	(+)	Purple/White	Purple/White
Steering Wheel Controls	(DATA)	Blue/Yellow	Blue/Yellow

MODULE DIAGNOSTICS



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

TROUBLESHOOTING TABLE

PROBLEM	SOLUTION
Steering wheel controls do not work but LED on the Maestro does blink when steering wheel buttons are pressed.	<p>Verify the buttons are set up in the flash. If any button is set to "none" for "press once", it will do nothing. "Hold" column can be left as none and the "press once" function will operate with one press and when holding the button.</p> <p>Ensure the blue 4-pin steering wheel control cable is connected between the Maestro and the radio. The radio will use either the 3.5mm jack OR the blue/yellow wire, not both.</p> <p>Connect the 3.5mm jack from the Maestro blue 4-pin cable to the radio's 3.5mm port (labeled steering, remote, or wheel). If no such port exists, wire the blue/yellow to blue/yellow (Kenwood/JVC) or to the radio's Key 1 wire (brands not listed/other) and secure the 3.5mm jack. It will not be used.</p> <p>Refer to radio's owner's manual to verify if the radio has this function: Alpine models with button learning (SW11/2/GND wires on back of radio): Connect blue/yellow wire from the blue 4-pin to the radio's SW11 input. Manually learn the buttons to the radio in the radio steering wheel control menus. JVC/Kenwood - Steering Wheel Control (ON/OFF): choose ON Nakamichi - if model is listed, ensure PAC mode is on. If "other", learn the buttons in the radio steering wheel menu. Sony - Steering Wheel Control (Custom/Preset): choose Preset. If phone buttons do not operate properly, flash the module as Pioneer - 2009 and newer with BT. Then select "custom" instead of "preset" and learn the buttons in the radio menu. Other brands - radio should have a steering wheel menu to learn the buttons. You may have to select type A/B/C/1/2/3 and try learning again if buttons are not saving. Refer to radio manufacturer's tech support for further advice if not learning properly.</p>
The radio doesn't turn on. LED on the Maestro is not flashing.	<p>Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.</p> <p>If installing a modular radio and it is not turning on, ensure the screen is secured and any trim pieces on the radio have been installed fully.</p>
When making a phone call you cannot hear the call, but the caller can hear you.	Switch the 4-pin green and white connectors in the t-harness.
No sound.	Ensure blue/white wire from harness is connected to radio's amp turn on output. This is usually blue/white but varies by radio manufacturer. Verify speaker wire connections and 4 pin connectors (green and white).

MAESTRO SR RESET PROCEDURE:

Turn the key to the OFF position, then disconnect all connectors from the module.

Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).

Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds to show the reset was successful.

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

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

RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER AND MORE!



+



**HEAD UNIT
ADAPTER READY**

PRODUCTS REQUIRED

iDataLink Maestro SR Radio Replacement Interface
iDataLink Maestro SR-CH1 Installation Harness

PROGRAMMED FIRMWARE: CH1-SR-AS


WELCOME

Congratulations on the purchase of your iDatalink Maestro SR 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 SR will only retain functionalities that were originally available in the vehicle.

NEED HELP?

 1 866 427-2999

 maestro.support@idatalink.com

ADDITIONAL INFORMATION AND ACCESSORIES

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

AVCH1

(A/V adapter for backup camera retention and rear seat entertainment system)

Installation, product information, vehicle specific videos.

[VIDEO HELP](#)



Last flash information, steering control configuration, vehicle information.

[VERIFY FLASH](#)



Software to program module.

[WEBLINK](#)



INSTALLATION INSTRUCTIONS P1/1

BEFORE INSTALLING

- Remove the factory radio.
- Access the main 22 pin factory radio connector **(2.1)** and determine if you have a factory amplifier.

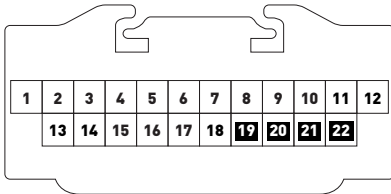


Fig. 2.1

If you don't have wires in PIN 19, 20, 21 and 22, you have a factory amplifier.

If you have wires in PIN 19, 20, 21 and 22, you don't have a factory amplifier

STEP 1

If using head unit adapter (sold separately), connect SR-CH1 harness to adapter and skip to step 2.

- Unbox the aftermarket radio and locate its main harness.
- Cut and remove the black 20 pin connector from the SR-CH1 T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the SR-CH1 T-harness and match the wire functions.

Note: Purple/white is a low current positive output used to trigger the radio only. Do NOT connect to anything other than the radio's reverse input. Refer to radio wire chart for radio's reverse light wire color.

If no camera is installed/desired, do not connect the radio's reverse wire. If installing an aftermarket camera, do NOT connect power for the camera to the Maestro's purple/white wire or module damage will occur.

STEP 2

- Plug the harnesses into the aftermarket radio.
- Connect the steering wheel control cable to the aftermarket radio. Connect either the blue/yellow wire (Kenwood/JVC or radios with SWI/KEY wires) or the 3.5mm to the steering control input of the radio (see Radio Wire Reference Chart for more details).

STEP 3

Without factory AMP:

(HRN-SR-CH1 v1.10) : Plug 4-pin connectors of sCH1 harness, WHITE to WHITE and GREEN to GREEN. Do not use crossover câbles.

(HRN-SR-CH1 v1.0 only):

- Modify WHITE crossover cable as shown in the diagram (cut and flip White and White/Black wires).
- Plug male side of each 4-pin SR-CH1 connector to crossover cable, matching color (see wiring diagram).
- Plug the female 4-pin GREEN sCH1 connector to the male GREEN connector of crossover cable.
- Plug the female 4-pin WHITE sCH1 connector to the male WHITE connector of crossover cable.

With factory AMP:

(HRN-SR-CH1 v1.10) : Plug 4-pin connectors of sCH1 harness, GREEN to WHITE and WHITE to GREEN. Do not use crossover câbles.

(HRN-SR-CH1 v1.0 only):

- Modify WHITE crossover cable as shown in the diagram (cut and flip White and White/Black wires).
- Plug male side of each 4-pin SR-CH1 connector to crossover cable, matching color (see wiring diagram).
- Plug the female 4-pin GREEN sCH1 connector to the male WHITE connector of crossover cable.
- Plug the female 4-pin WHITE sCH1 connector to the male GREEN connector of crossover cable.

STEP 4

- Connect the factory radio harness to the SR-CH1 T-harness.

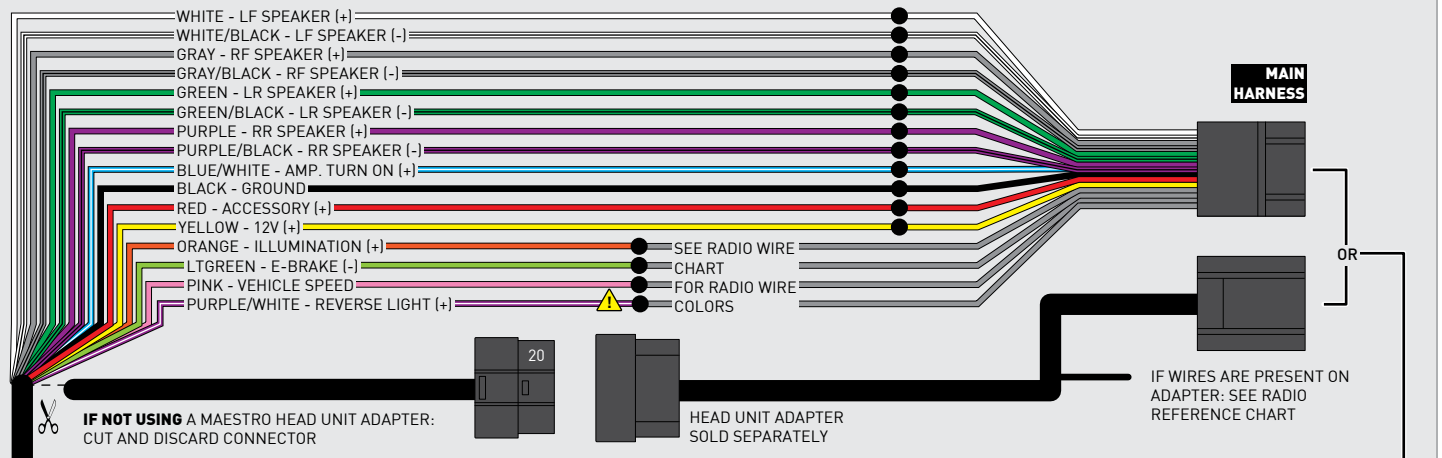
STEP 5

- Connect the SR-CH1 harness to the Maestro SR module.
- Connect the steering wheel control cable.

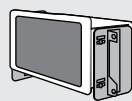
Test your installation.

WIRING DIAGRAM

STEP 1



STEP 2



AFTERMARKET RADIO

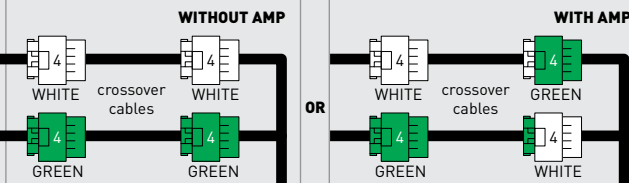
ONLY CONNECT PURPLE/WHITE WIRE TO RADIO REVERSE INPUT, NOT TO A CAMERA OR OTHER ACCESSORY, OR MODULE DAMAGE WILL OCCUR.

STEP 3

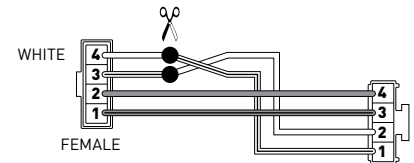
sCH1 HARNESS v1.10 + : PLUG WITHOUT USING CROSSOVER CABLES.

sCH1 HARNESS v1.00 ONLY

- 1- MODIFY WHITE CROSSOVER CABLE AS INDICATED TO THE RIGHT.
- 2- CONNECT CROSSOVER CABLES AS SHOWN BELOW.



sCH1 v1.00 ONLY : WHITE CROSSOVER CABLE MODIFICATION
CUT + FLIP WHITE AND WHITE/BLACK WIRES.



STEP 4

FACTORY RADIO HARNESS



AMP TURNON

NC

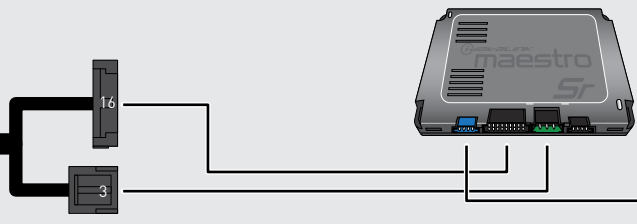
POC1 -

POC2 -

User configurable output - set up during module programming if desired.
Low current negative (~350mA) polarity output used to trigger a relay.

STEP 5

MAESTRO SR MODULE



NOT REQUIRED



RADIO WIRE REFERENCE CHART

CH1 T-harness Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/ JVC cable	Wire Color on Pioneer cable	Wire Color on Sony cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light*	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A

* Reverse light wire: Only connect to radio or module damage will occur.
Other brands, refer to aftermarket radio guide. Some radios may not be equipped with all wires listed.

Description	Polarity	Maestro Steering Wheel Control wire	Radio with Steering Wheel Control Port	*Alpine Radio With SWI1, SWI2, Ground Wires	JVC or Kenwood	*Other Radio Brands With SWI1, SWI2, Ground Wires OR Key1, Key2, Ground Wires
Maestro Steering Wheel Control Cable	(DATA)	3.5mm Jack	3.5mm SWC Input Port	Not Connected (secure the jack)	Not Connected (secure the jack)	Not Connected (secure the jack)
	(DATA)	Blue/Yellow Wire	Not Connected	SWI1 Input	Blue/Yellow Wire	SWI1 Input or Key1 Input

*Manually learn the buttons to the radio in the radio steering wheel control menu.

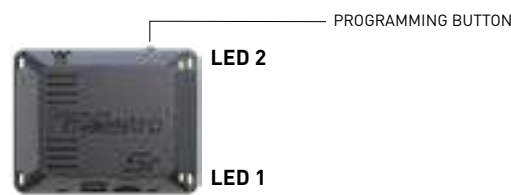
Head unit adapter wiring (optional accessory, sold separately)

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

ACC-HU-KEN1 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
CAM	(+)	Green/Red	Refer to camera/ radio manual
CAM	(-)	Green/White	Refer to camera/ radio manual
Steering Wheel Controls	(DATA)	Blue/Yellow	Blue/Yellow

ACC-HU-KEN2 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
E-Brake	(-)	LtGreen	LtGreen
Reverse Light*	(+)	Purple/White	Purple/White
Steering Wheel Controls	(DATA)	Blue/Yellow	Blue/Yellow

MODULE DIAGNOSTICS



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

TROUBLESHOOTING TABLE

PROBLEM	SOLUTION
Steering wheel controls do not work but LED on the Maestro does blink when steering wheel buttons are pressed.	<p>Verify the buttons are set up in the flash. If any button is set to "none" for "press once", it will do nothing. "Hold" column can be left as none and the "press once" function will operate with one press and when holding the button.</p> <p>Ensure the blue 4-pin steering wheel control cable is connected between the Maestro and the radio. The radio will use either the 3.5mm jack OR the blue/yellow wire, not both.</p> <p>Connect the 3.5mm jack from the Maestro blue 4-pin cable to the radio's 3.5mm port (labeled steering, remote, or wheel). If no such port exists, wire the blue/yellow to blue/yellow (Kenwood/JVC) or to the radio's Key 1 wire (brands not listed/other) and secure the 3.5mm jack. It will not be used.</p> <p>Refer to radio's owner's manual to verify if the radio has this function: Alpine models with button learning (SW11/2/GND wires on back of radio): Connect blue/yellow wire from the blue 4-pin to the radio's SW11 input. Manually learn the buttons to the radio in the radio steering wheel control menus. JVC/Kenwood - Steering Wheel Control (ON/OFF): choose ON Nakamichi - if model is listed, ensure PAC mode is on. If "other", learn the buttons in the radio steering wheel menu. Sony - Steering Wheel Control (Custom/Preset): choose Preset. If phone buttons do not operate properly, flash the module as Pioneer - 2009 and newer with BT. Then select "custom" instead of "preset" and learn the buttons in the radio menu. Other brands - radio should have a steering wheel menu to learn the buttons. You may have to select type A/B/C/1/2/3 and try learning again if buttons are not saving. Refer to radio manufacturer's tech support for further advice if not learning properly.</p>
The radio doesn't turn on. LED on the Maestro is not flashing.	<p>Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.</p> <p>If installing a modular radio and it is not turning on, ensure the screen is secured and any trim pieces on the radio have been installed fully.</p>
When making a phone call you cannot hear the call, but the caller can hear you.	Switch the 4-pin green and white connectors in the t-harness.
No sound.	Ensure blue/white wire from harness is connected to radio's amp turn on output. This is usually blue/white but varies by radio manufacturer. Verify speaker wire connections and 4 pin connectors (green and white).

MAESTRO SR RESET PROCEDURE:

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

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

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



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 SR 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.

RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER AND MORE!



+



**HEAD UNIT
ADAPTER READY**

PRODUCTS REQUIRED

iDataLink Maestro SR Radio Replacement Interface
iDataLink Maestro SR-CH1 Installation Harness

PROGRAMMED FIRMWARE: CH1-SR-DS

WELCOME

Congratulations on the purchase of your iDatalink Maestro SR 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 SR will only retain functionalities that were originally available in the vehicle.

NEED HELP?

☎ 1 866 427-2999

✉ maestro.support@idatalink.com

ADDITIONAL INFORMATION AND ACCESSORIES

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

AVCH1
(A/V adapter for backup camera retention)

Installation, product information, vehicle specific videos.

[VIDEO HELP](#)



Last flash information, steering control configuration, vehicle information.

[VERIFY FLASH](#)



Software to program module.

[WEBLINK](#)



INSTALLATION INSTRUCTIONS P1/1

BEFORE INSTALLING

- Remove the factory radio.
- Access the main 22 pin factory radio connector **(2.1)** and determine if you have a factory amplifier.

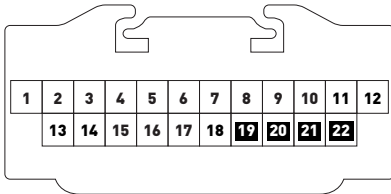


Fig. 2.1

If you don't have wires in PIN 19, 20, 21 and 22, you have a factory amplifier.

If you have wires in PIN 19, 20, 21 and 22, you don't have a factory amplifier

STEP 1

If using head unit adapter (sold separately), connect SR-CH1 harness to adapter and skip to step 2.

- Unbox the aftermarket radio and locate its main harness.
- Cut and remove the black 20 pin connector from the SR-CH1 T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the SR-CH1 T-harness and match the wire functions.

Note: Purple/white is a low current positive output used to trigger the radio only. Do NOT connect to anything other than the radio's reverse input. Refer to radio wire chart for radio's reverse light wire color.

If no camera is installed/desired, do not connect the radio's reverse wire. If installing an aftermarket camera, do NOT connect power for the camera to the Maestro's purple/white wire or module damage will occur.

STEP 2

- Plug the harnesses into the aftermarket radio.
- Plug the Data cable to the iDataLink port of the aftermarket radio.

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

STEP 3

Without factory AMP:

(HRN-SR-CH1 v1.10) : Plug 4-pin connectors of sCH1 harness, WHITE to WHITE and GREEN to GREEN. Do not use crossover câbles.

(HRN-SR-CH1 v1.0 only):

- Modify WHITE crossover cable as shown in the diagram (cut and flip White and White/Black wires).
- Plug male side of each 4-pin SR-CH1 connector to crossover cable, matching color (see wiring diagram).
- Plug the female 4-pin GREEN sCH1 connector to the male GREEN connector of crossover cable.
- Plug the female 4-pin WHITE sCH1 connector to the male WHITE connector of crossover cable.

With factory AMP:

(HRN-SR-CH1 v1.10) : Plug 4-pin connectors of sCH1 harness, GREEN to WHITE and WHITE to GREEN. Do not use crossover câbles.

(HRN-SR-CH1 v1.0 only):

- Modify WHITE crossover cable as shown in the diagram (cut and flip White and White/Black wires).
- Plug male side of each 4-pin SR-CH1 connector to crossover cable, matching color (see wiring diagram).
- Plug the female 4-pin GREEN sCH1 connector to the male WHITE connector of crossover cable.
- Plug the female 4-pin WHITE sCH1 connector to the male GREEN connector of crossover cable.

STEP 4

- Connect the factory radio harness to the SR-CH1 T-harness.

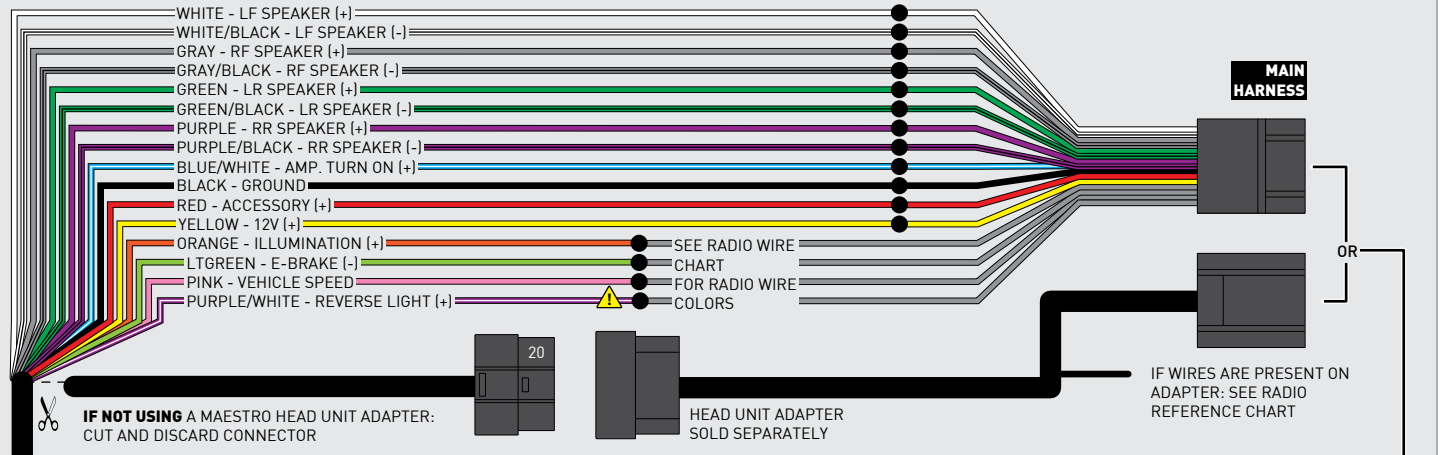
STEP 5

- Connect the SR-CH1 harness to the Maestro SR module.
- Connect the Data cable.

Test your installation.

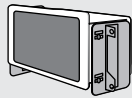
WIRING DIAGRAM

STEP 1



STEP 2

PIONEER RADIO: ENSURE THAT NOTHING IS PLUGGED IN W/R PORT.



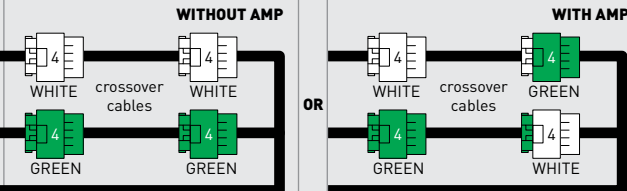
AFTERMARKET RADIO

STEP 3

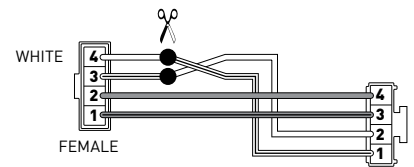
sCH1 HARNESS v1.10 + : PLUG WITHOUT USING CROSSOVER CABLES.

sCH1 HARNESS v1.00 ONLY

- 1- MODIFY WHITE CROSSOVER CABLE AS INDICATED TO THE RIGHT.
- 2- CONNECT CROSSOVER CABLES AS SHOWN BELOW.



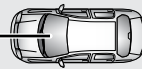
sCH1 v1.00 ONLY : WHITE CROSSOVER CABLE MODIFICATION CUT + FLIP WHITE AND WHITE/BLACK WIRES.



STEP 4

FACTORY RADIO HARNESS

GRAY



AMP TURNON

NC

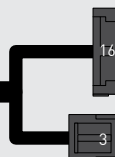
POC1 -

POC2 -

User configurable output - set up during module programming if desired.
Low current negative (~350mA) polarity output used to trigger a relay.

STEP 5

MAESTRO SR MODULE



NOT REQUIRED



RADIO WIRE REFERENCE CHART

CH1 T-harness Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/ JVC cable	Wire Color on Pioneer cable	Wire Color on Sony cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light*	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A

Head unit adapter wiring (optional accessory, sold separately)

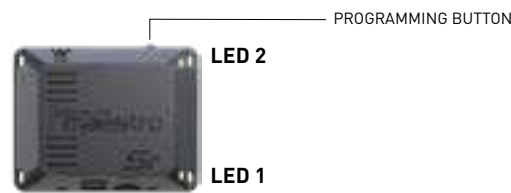
ACC-HU-ALP1 Wire Description	Polarity	Wire Color on Adapter	Alpine Radio
VSS (vehicle speed sensor)	(DATA)	Green/White	Green/White

ACC-HU-KEN1 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
CAM	(+)	Green/Red	Refer to camera/radio manual
CAM	(-)	Green/White	Refer to camera/radio manual
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

ACC-HU-KEN2 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
E-Brake	(-)	LtGreen	LtGreen
Reverse Light*	(+)	Purple/White	Purple/White
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

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

MODULE DIAGNOSTICS



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

TROUBLESHOOTING TABLE

PROBLEM	SOLUTION
When making a phone call you cannot hear the callers but they can hear you.	Switch the 4-pin green and white connectors in the t-harness.
The radio doesn't turn on. LED on the Maestro is not flashing.	Ensure the white and red 2-pin connectors are connected as shown in the diagram. Test for power at the large 3 pin connector of the harness. With it plugged in and vehicle turned on, we should have power on the red and yellow wires.
The light on the Maestro is blinking RED TWICE and the radio IS turning on.	<p>Ensure the 4-pin data cable is connected between the radio and the SR, and that it is plugged into the black port on the Maestro SR. The red and blue ports on the SR should be empty.</p> <p>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.</p>
The light on the Maestro is blinking RED TWICE but the radio is NOT turning on.	<p>If installing a modular radio and it is not turning on, ensure the screen is secured and any trim pieces on the radio have been installed fully. Not installing these fully will prevent radio from powering up and show a 2x red error as well.</p> <p>Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.</p>
No sound.	Ensure blue/white wire from harness is connected to radio's amp turn on output. This is usually blue/white but varies by radio manufacturer. Verify speaker wire connections and 4 pin connectors (green and white).

MAESTRO SR 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

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Email: maestro.support@idatalink.com

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RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER AND MORE!



+



**HEAD UNIT
ADAPTER READY**

PRODUCTS REQUIRED

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iDataLink Maestro SR-CH1 Installation Harness

PROGRAMMED FIRMWARE: CH1-SR-DS

WELCOME

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

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

NEED HELP?

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ADDITIONAL INFORMATION AND ACCESSORIES

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

AVCH1
(A/V adapter for backup camera retention)

Installation, product information, vehicle specific videos.

[VIDEO HELP](#)



Last flash information, steering control configuration, vehicle information.

[VERIFY FLASH](#)



Software to program module.

[WEBLINK](#)



INSTALLATION INSTRUCTIONS P1/1

BEFORE INSTALLING

- Remove the factory radio.
- Access the main 22 pin factory radio connector **(2.1)** and determine if you have a factory amplifier.

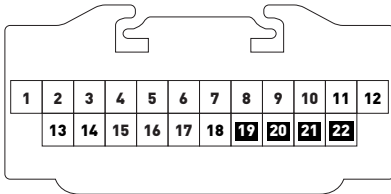


Fig. 2.1

If you don't have wires in PIN 19, 20, 21 and 22, you have a factory amplifier.

If you have wires in PIN 19, 20, 21 and 22, you don't have a factory amplifier

STEP 1

If using head unit adapter (sold separately), connect SR-CH1 harness to adapter and skip to step 2.

- Unbox the aftermarket radio and locate its main harness.
- Cut and remove the black 20 pin connector from the SR-CH1 T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the SR-CH1 T-harness and match the wire functions.

Note: Purple/white is a low current positive output used to trigger the radio only. Do NOT connect to anything other than the radio's reverse input. Refer to radio wire chart for radio's reverse light wire color.

If no camera is installed/desired, do not connect the radio's reverse wire. If installing an aftermarket camera, do NOT connect power for the camera to the Maestro's purple/white wire or module damage will occur.

STEP 2

- Plug the harnesses into the aftermarket radio.
- Plug the Data cable to the iDataLink port of the aftermarket radio.

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

STEP 3

Without factory AMP:

(HRN-SR-CH1 v1.10) : Plug 4-pin connectors of sCH1 harness, WHITE to WHITE and GREEN to GREEN. Do not use crossover câbles.

(HRN-SR-CH1 v1.0 only):

- Modify WHITE crossover cable as shown in the diagram (cut and flip White and White/Black wires).
- Plug male side of each 4-pin SR-CH1 connector to crossover cable, matching color (see wiring diagram).
- Plug the female 4-pin GREEN sCH1 connector to the male GREEN connector of crossover cable.
- Plug the female 4-pin WHITE sCH1 connector to the male WHITE connector of crossover cable.

With factory AMP:

(HRN-SR-CH1 v1.10) : Plug 4-pin connectors of sCH1 harness, GREEN to WHITE and WHITE to GREEN. Do not use crossover câbles.

(HRN-SR-CH1 v1.0 only):

- Modify WHITE crossover cable as shown in the diagram (cut and flip White and White/Black wires).
- Plug male side of each 4-pin SR-CH1 connector to crossover cable, matching color (see wiring diagram).
- Plug the female 4-pin GREEN sCH1 connector to the male WHITE connector of crossover cable.
- Plug the female 4-pin WHITE sCH1 connector to the male GREEN connector of crossover cable.

STEP 4

- Connect the factory radio harness to the SR-CH1 T-harness.

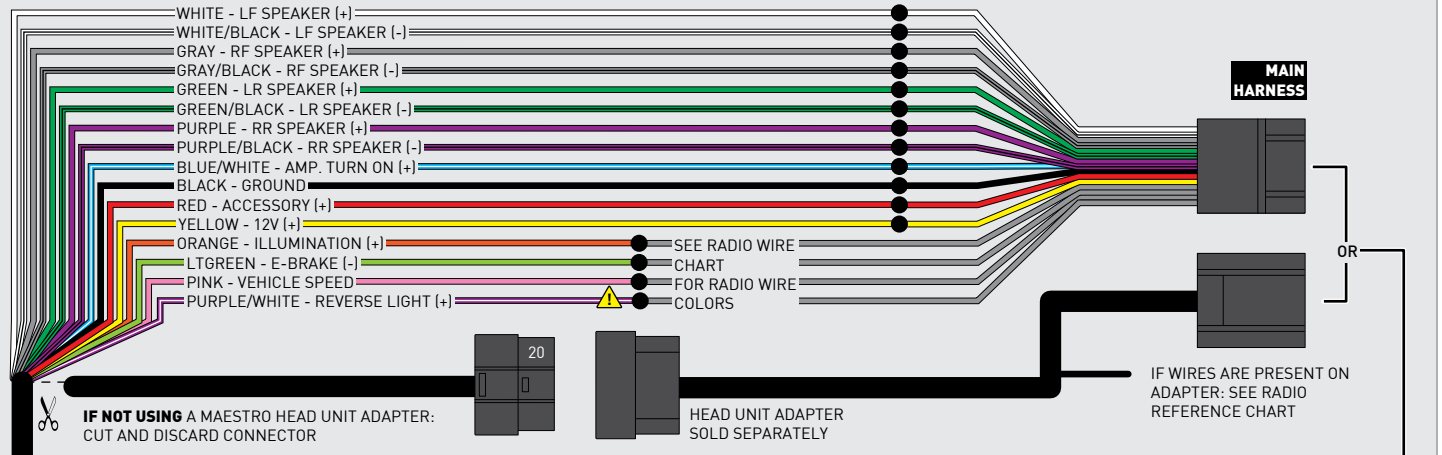
STEP 5

- Connect the SR-CH1 harness to the Maestro SR module.
- Connect the Data cable.

Test your installation.

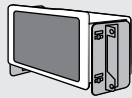
WIRING DIAGRAM

STEP 1



STEP 2

PIONEER RADIO: ENSURE THAT
NOTHING IS PLUGGED IN W/R PORT.



AFTERMARKET RADIO

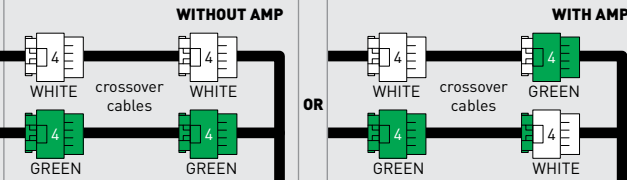
ONLY CONNECT PURPLE/WHITE WIRE TO RADIO REVERSE INPUT, NOT TO A
CAMERA OR OTHER ACCESSORY, OR MODULE DAMAGE WILL OCCUR.

STEP 3

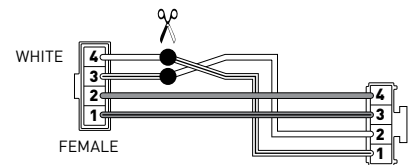
sCH1 HARNESS v1.10 + : PLUG WITHOUT USING CROSSOVER CABLES.

sCH1 HARNESS v1.00 ONLY

- 1- MODIFY WHITE CROSSOVER CABLE AS INDICATED TO THE RIGHT.
- 2- CONNECT CROSSOVER CABLES AS SHOWN BELOW.



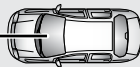
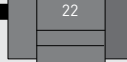
sCH1 v1.00 ONLY : WHITE CROSSOVER CABLE MODIFICATION
CUT + FLIP WHITE AND WHITE/BLACK WIRES.



STEP 4

FACTORY RADIO HARNESS

GRAY



AMP TURNON

NC

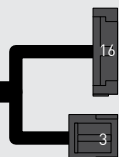
POC1 -

POC2 -

User configurable output - set up during module programming if desired.
Low current negative (~350mA) polarity output used to trigger a relay.

STEP 5

MAESTRO SR MODULE



NOT REQUIRED



RADIO WIRE REFERENCE CHART

CH1 T-harness Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/ JVC cable	Wire Color on Pioneer cable	Wire Color on Sony cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light*	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A

Head unit adapter wiring (optional accessory, sold separately)

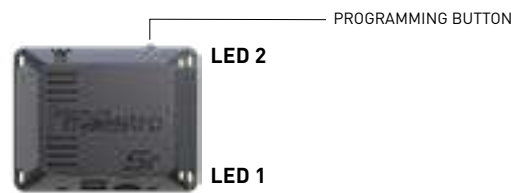
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Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

ACC-HU-KEN2 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
E-Brake	(-)	LtGreen	LtGreen
Reverse Light*	(+)	Purple/White	Purple/White
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

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

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 Bluetooth activity	LED STATUS	DIAGNOSTIC
<div><div></div> or <div></div></div>		RED or GREEN flashing	LED flashes 1 or more times, either red or green, when a steering wheel button is pressed : normal operation.
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TROUBLESHOOTING TABLE

PROBLEM	SOLUTION
When making a phone call you cannot hear the callers but they can hear you.	Switch the 4-pin green and white connectors in the t-harness.
The radio doesn't turn on. LED on the Maestro is not flashing.	Ensure the white and red 2-pin connectors are connected as shown in the diagram. Test for power at the large 3 pin connector of the harness. With it plugged in and vehicle turned on, we should have power on the red and yellow wires.
The light on the Maestro is blinking RED TWICE and the radio IS turning on.	<p>Ensure the 4-pin data cable is connected between the radio and the SR, and that it is plugged into the black port on the Maestro SR. The red and blue ports on the SR should be empty.</p> <p>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.</p>
The light on the Maestro is blinking RED TWICE but the radio is NOT turning on.	<p>If installing a modular radio and it is not turning on, ensure the screen is secured and any trim pieces on the radio have been installed fully. Not installing these fully will prevent radio from powering up and show a 2x red error as well.</p> <p>Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.</p>
No sound.	Ensure blue/white wire from harness is connected to radio's amp turn on output. This is usually blue/white but varies by radio manufacturer. Verify speaker wire connections and 4 pin connectors (green and white).

MAESTRO SR 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.

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+



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AVCH1
(A/V adapter for backup camera retention)

Installation, product information, vehicle specific videos.

[VIDEO HELP](#)



Last flash information, steering control configuration, vehicle information.

[VERIFY FLASH](#)



Software to program module.

[WEBLINK](#)



INSTALLATION INSTRUCTIONS P1/1

BEFORE INSTALLING

- Remove the factory radio.
- Access the main 22 pin factory radio connector **(2.1)** and determine if you have a factory amplifier.

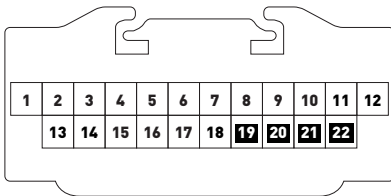


Fig. 2.1

If you don't have wires in PIN 19, 20, 21 and 22, you have a factory amplifier.

If you have wires in PIN 19, 20, 21 and 22, you don't have a factory amplifier

STEP 1

If using head unit adapter (sold separately), connect SR-CH1 harness to adapter and skip to step 2.

- Unbox the aftermarket radio and locate its main harness.
- Cut and remove the black 20 pin connector from the SR-CH1 T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the SR-CH1 T-harness and match the wire functions.

Note: Purple/white is a low current positive output used to trigger the radio only. Do NOT connect to anything other than the radio's reverse input. Refer to radio wire chart for radio's reverse light wire color.

If no camera is installed/desired, do not connect the radio's reverse wire. If installing an aftermarket camera, do NOT connect power for the camera to the Maestro's purple/white wire or module damage will occur.

STEP 2

- Plug the harnesses into the aftermarket radio.
- Plug the Data cable to the iDataLink port of the aftermarket radio.

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

STEP 3

Without factory AMP:

(HRN-SR-CH1 v1.10) : Plug 4-pin connectors of sCH1 harness, WHITE to WHITE and GREEN to GREEN. Do not use crossover câbles.

(HRN-SR-CH1 v1.0 only):

- Modify WHITE crossover cable as shown in the diagram (cut and flip White and White/Black wires).
- Plug male side of each 4-pin SR-CH1 connector to crossover cable, matching color (see wiring diagram).
- Plug the female 4-pin GREEN sCH1 connector to the male GREEN connector of crossover cable.
- Plug the female 4-pin WHITE sCH1 connector to the male WHITE connector of crossover cable.

With factory AMP:

(HRN-SR-CH1 v1.10) : Plug 4-pin connectors of sCH1 harness, GREEN to WHITE and WHITE to GREEN. Do not use crossover câbles.

(HRN-SR-CH1 v1.0 only):

- Modify WHITE crossover cable as shown in the diagram (cut and flip White and White/Black wires).
- Plug male side of each 4-pin SR-CH1 connector to crossover cable, matching color (see wiring diagram).
- Plug the female 4-pin GREEN sCH1 connector to the male WHITE connector of crossover cable.
- Plug the female 4-pin WHITE sCH1 connector to the male GREEN connector of crossover cable.

STEP 4

- Connect the factory radio harness to the SR-CH1 T-harness.

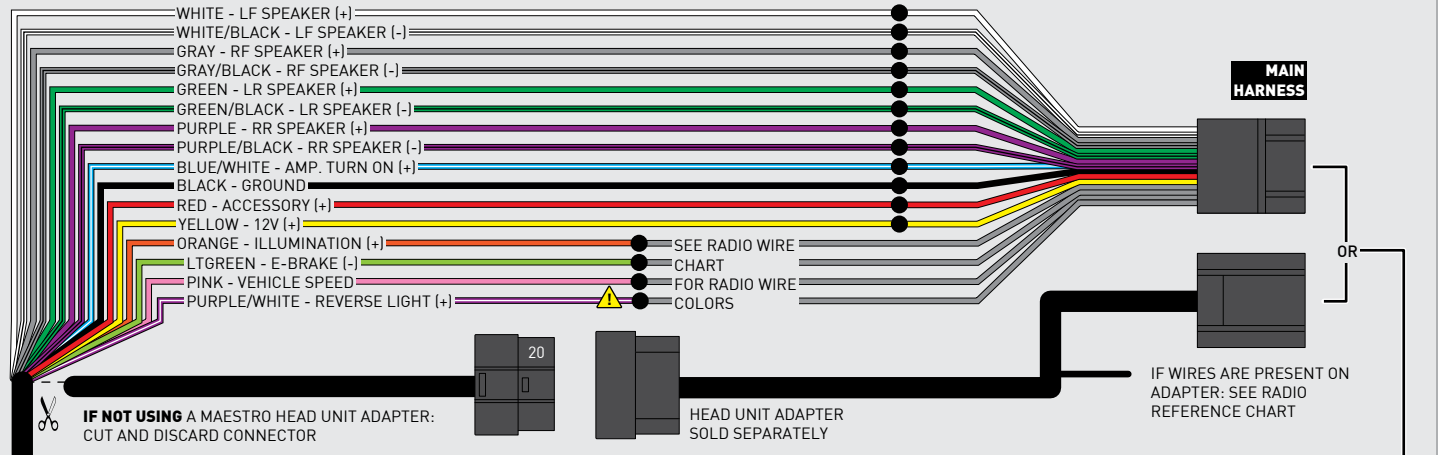
STEP 5

- Connect the SR-CH1 harness to the Maestro SR module.
- Connect the Data cable.

Test your installation.

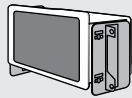
WIRING DIAGRAM

STEP 1



STEP 2

PIONEER RADIO: ENSURE THAT NOTHING IS PLUGGED IN W/R PORT.



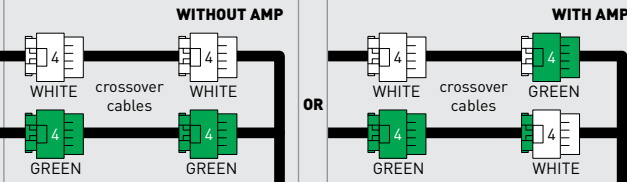
AFTERMARKET RADIO

STEP 3

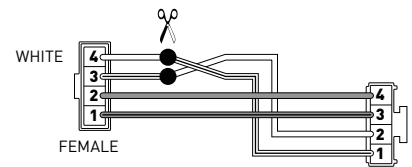
sCH1 HARNESS v1.10 + : PLUG WITHOUT USING CROSSOVER CABLES.

sCH1 HARNESS v1.00 ONLY

- 1- MODIFY WHITE CROSSOVER CABLE AS INDICATED TO THE RIGHT.
- 2- CONNECT CROSSOVER CABLES AS SHOWN BELOW.



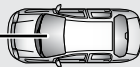
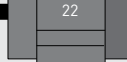
sCH1 v1.00 ONLY : WHITE CROSSOVER CABLE MODIFICATION CUT + FLIP WHITE AND WHITE/BLACK WIRES.



STEP 4

FACTORY RADIO HARNESS

GRAY



AMP TURNON

NC

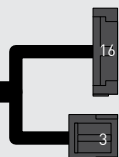
POC1 -

POC2 -

User configurable output - set up during module programming if desired.
 Low current negative (~350mA) polarity output used to trigger a relay.

STEP 5

MAESTRO SR MODULE



NOT REQUIRED



RADIO WIRE REFERENCE CHART

CH1 T-harness Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/ JVC cable	Wire Color on Pioneer cable	Wire Color on Sony cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light*	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A

Head unit adapter wiring (optional accessory, sold separately)

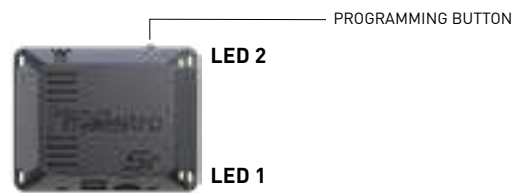
ACC-HU-ALP1 Wire Description	Polarity	Wire Color on Adapter	Alpine Radio
VSS (vehicle speed sensor)	(DATA)	Green/White	Green/White

ACC-HU-KEN1 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
CAM	(+)	Green/Red	Refer to camera/radio manual
CAM	(-)	Green/White	Refer to camera/radio manual
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

ACC-HU-KEN2 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
E-Brake	(-)	LtGreen	LtGreen
Reverse Light*	(+)	Purple/White	Purple/White
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

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

MODULE DIAGNOSTICS



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

TROUBLESHOOTING TABLE

PROBLEM	SOLUTION
When making a phone call you cannot hear the callers but they can hear you.	Switch the 4-pin green and white connectors in the t-harness.
The radio doesn't turn on. LED on the Maestro is not flashing.	Ensure the white and red 2-pin connectors are connected as shown in the diagram. Test for power at the large 3 pin connector of the harness. With it plugged in and vehicle turned on, we should have power on the red and yellow wires.
The light on the Maestro is blinking RED TWICE and the radio IS turning on.	<p>Ensure the 4-pin data cable is connected between the radio and the SR, and that it is plugged into the black port on the Maestro SR. The red and blue ports on the SR should be empty.</p> <p>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.</p>
The light on the Maestro is blinking RED TWICE but the radio is NOT turning on.	<p>If installing a modular radio and it is not turning on, ensure the screen is secured and any trim pieces on the radio have been installed fully. Not installing these fully will prevent radio from powering up and show a 2x red error as well.</p> <p>Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.</p>
No sound.	Ensure blue/white wire from harness is connected to radio's amp turn on output. This is usually blue/white but varies by radio manufacturer. Verify speaker wire connections and 4 pin connectors (green and white).

MAESTRO SR RESET PROCEDURE:

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

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

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

RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER AND MORE!



+



**HEAD UNIT
ADAPTER READY**

PRODUCTS REQUIRED

iDataLink Maestro SR Radio Replacement Interface
iDataLink Maestro SR-CH1 Installation Harness

PROGRAMMED FIRMWARE: CH1-SR-DS

WELCOME

Congratulations on the purchase of your iDatalink Maestro SR 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 SR will only retain functionalities that were originally available in the vehicle.

NEED HELP?

☎ 1 866 427-2999

✉ maestro.support@idatalink.com

ADDITIONAL INFORMATION AND ACCESSORIES

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

AVCH1
(A/V adapter for backup camera retention)

Installation, product information, vehicle specific videos.

[VIDEO HELP](#)



Last flash information, steering control configuration, vehicle information.

[VERIFY FLASH](#)



Software to program module.

[WEBLINK](#)



INSTALLATION INSTRUCTIONS P1/1

BEFORE INSTALLING

- Remove the factory radio.
- Access the main 22 pin factory radio connector **(2.1)** and determine if you have a factory amplifier.

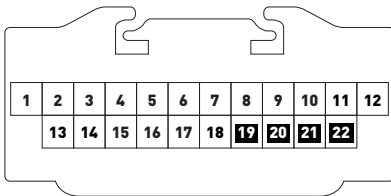


Fig. 2.1

If you don't have wires in PIN 19, 20, 21 and 22, you have a factory amplifier.

If you have wires in PIN 19, 20, 21 and 22, you don't have a factory amplifier

STEP 1

If using head unit adapter (sold separately), connect SR-CH1 harness to adapter and skip to step 2.

- Unbox the aftermarket radio and locate its main harness.
- Cut and remove the black 20 pin connector from the SR-CH1 T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the SR-CH1 T-harness and match the wire functions.

Note: Purple/white is a low current positive output used to trigger the radio only. Do NOT connect to anything other than the radio's reverse input. Refer to radio wire chart for radio's reverse light wire color.

If no camera is installed/desired, do not connect the radio's reverse wire. If installing an aftermarket camera, do NOT connect power for the camera to the Maestro's purple/white wire or module damage will occur.

STEP 2

- Plug the harnesses into the aftermarket radio.
- Plug the Data cable to the iDataLink port of the aftermarket radio.

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

STEP 3

Without factory AMP:

(HRN-SR-CH1 v1.10) : Plug 4-pin connectors of sCH1 harness, WHITE to WHITE and GREEN to GREEN. Do not use crossover câbles.

(HRN-SR-CH1 v1.0 only):

- Modify WHITE crossover cable as shown in the diagram (cut and flip White and White/Black wires).
- Plug male side of each 4-pin SR-CH1 connector to crossover cable, matching color (see wiring diagram).
- Plug the female 4-pin GREEN sCH1 connector to the male GREEN connector of crossover cable.
- Plug the female 4-pin WHITE sCH1 connector to the male WHITE connector of crossover cable.

With factory AMP:

(HRN-SR-CH1 v1.10) : Plug 4-pin connectors of sCH1 harness, GREEN to WHITE and WHITE to GREEN. Do not use crossover câbles.

(HRN-SR-CH1 v1.0 only):

- Modify WHITE crossover cable as shown in the diagram (cut and flip White and White/Black wires).
- Plug male side of each 4-pin SR-CH1 connector to crossover cable, matching color (see wiring diagram).
- Plug the female 4-pin GREEN sCH1 connector to the male WHITE connector of crossover cable.
- Plug the female 4-pin WHITE sCH1 connector to the male GREEN connector of crossover cable.

STEP 4

- Connect the factory radio harness to the SR-CH1 T-harness.

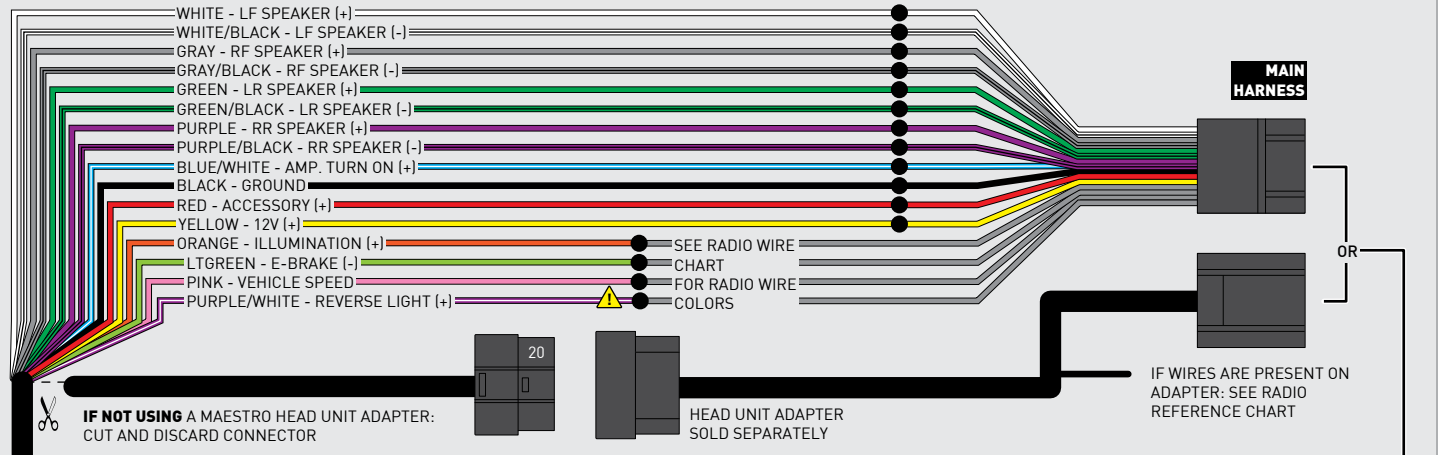
STEP 5

- Connect the SR-CH1 harness to the Maestro SR module.
- Connect the Data cable.

Test your installation.

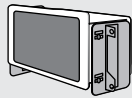
WIRING DIAGRAM

STEP 1



STEP 2

PIONEER RADIO: ENSURE THAT NOTHING IS PLUGGED IN W/R PORT.



AFTERMARKET RADIO

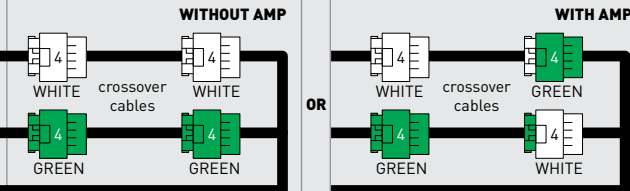
ONLY CONNECT PURPLE/WHITE WIRE TO RADIO REVERSE INPUT, NOT TO A CAMERA OR OTHER ACCESSORY, OR MODULE DAMAGE WILL OCCUR.

STEP 3

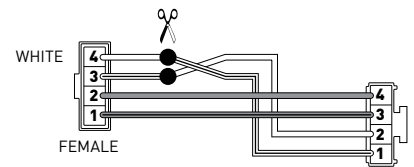
sCH1 HARNESS v1.10 + : PLUG WITHOUT USING CROSSOVER CABLES.

sCH1 HARNESS v1.00 ONLY

- 1- MODIFY WHITE CROSSOVER CABLE AS INDICATED TO THE RIGHT.
- 2- CONNECT CROSSOVER CABLES AS SHOWN BELOW.



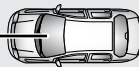
sCH1 v1.00 ONLY : WHITE CROSSOVER CABLE MODIFICATION CUT + FLIP WHITE AND WHITE/BLACK WIRES.



STEP 4

FACTORY RADIO HARNESS

GRAY



AMP TURNON

NC

POC1 -

POC2 -

User configurable output - set up during module programming if desired.
 Low current negative (~350mA) polarity output used to trigger a relay.

STEP 5

MAESTRO SR MODULE



NOT REQUIRED



RADIO WIRE REFERENCE CHART

CH1 T-harness Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/ JVC cable	Wire Color on Pioneer cable	Wire Color on Sony cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light*	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A

Head unit adapter wiring (optional accessory, sold separately)

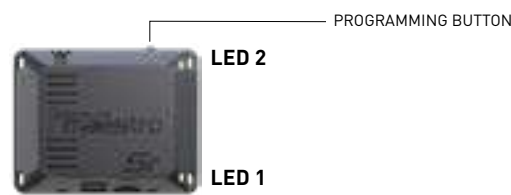
ACC-HU-ALP1 Wire Description	Polarity	Wire Color on Adapter	Alpine Radio
VSS (vehicle speed sensor)	(DATA)	Green/White	Green/White

ACC-HU-KEN1 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
CAM	(+)	Green/Red	Refer to camera/radio manual
CAM	(-)	Green/White	Refer to camera/radio manual
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

ACC-HU-KEN2 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
E-Brake	(-)	LtGreen	LtGreen
Reverse Light*	(+)	Purple/White	Purple/White
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

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

MODULE DIAGNOSTICS



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

TROUBLESHOOTING TABLE

PROBLEM	SOLUTION
When making a phone call you cannot hear the callers but they can hear you.	Switch the 4-pin green and white connectors in the t-harness.
The radio doesn't turn on. LED on the Maestro is not flashing.	Ensure the white and red 2-pin connectors are connected as shown in the diagram. Test for power at the large 3 pin connector of the harness. With it plugged in and vehicle turned on, we should have power on the red and yellow wires.
The light on the Maestro is blinking RED TWICE and the radio IS turning on.	<p>Ensure the 4-pin data cable is connected between the radio and the SR, and that it is plugged into the black port on the Maestro SR. The red and blue ports on the SR should be empty.</p> <p>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.</p>
The light on the Maestro is blinking RED TWICE but the radio is NOT turning on.	<p>If installing a modular radio and it is not turning on, ensure the screen is secured and any trim pieces on the radio have been installed fully. Not installing these fully will prevent radio from powering up and show a 2x red error as well.</p> <p>Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.</p>
No sound.	Ensure blue/white wire from harness is connected to radio's amp turn on output. This is usually blue/white but varies by radio manufacturer. Verify speaker wire connections and 4 pin connectors (green and white).

MAESTRO SR RESET PROCEDURE:

Turn the key to the OFF position, then disconnect all connectors from the module.

Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).

Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds to show the reset was successful.

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

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

RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER AND MORE!



+



**HEAD UNIT
ADAPTER READY**

PRODUCTS REQUIRED

iDataLink Maestro SR Radio Replacement Interface
iDataLink Maestro SR-CH1 Installation Harness

PROGRAMMED FIRMWARE: CH1-SR-DS

WELCOME

Congratulations on the purchase of your iDatalink Maestro SR 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 SR will only retain functionalities that were originally available in the vehicle.

NEED HELP?

☎ 1 866 427-2999

✉ maestro.support@idatalink.com

ADDITIONAL INFORMATION AND ACCESSORIES

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

AVCH1
(A/V adapter for backup camera retention and rear seat entertainment system)

Installation, product information, vehicle specific videos.

[VIDEO HELP](#)



Last flash information, steering control configuration, vehicle information.

[VERIFY FLASH](#)



Software to program module.

[WEBLINK](#)



INSTALLATION INSTRUCTIONS P1/1

BEFORE INSTALLING

- Remove the factory radio.
- Access the main 22 pin factory radio connector **(2.1)** and determine if you have a factory amplifier.

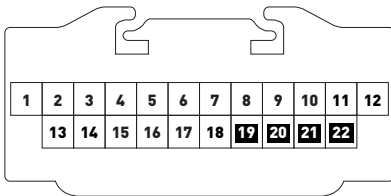


Fig. 2.1

If you don't have wires in PIN 19, 20, 21 and 22, you have a factory amplifier.

If you have wires in PIN 19, 20, 21 and 22, you don't have a factory amplifier

STEP 1

If using head unit adapter (sold separately), connect SR-CH1 harness to adapter and skip to step 2.

- Unbox the aftermarket radio and locate its main harness.
- Cut and remove the black 20 pin connector from the SR-CH1 T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the SR-CH1 T-harness and match the wire functions.

Note: Purple/white is a low current positive output used to trigger the radio only. Do NOT connect to anything other than the radio's reverse input. Refer to radio wire chart for radio's reverse light wire color.

If no camera is installed/desired, do not connect the radio's reverse wire. If installing an aftermarket camera, do NOT connect power for the camera to the Maestro's purple/white wire or module damage will occur.

STEP 2

- Plug the harnesses into the aftermarket radio.
- Plug the Data cable to the iDataLink port of the aftermarket radio.

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

STEP 3

Without factory AMP:

(HRN-SR-CH1 v1.10) : Plug 4-pin connectors of sCH1 harness, WHITE to WHITE and GREEN to GREEN. Do not use crossover câbles.

(HRN-SR-CH1 v1.0 only):

- Modify WHITE crossover cable as shown in the diagram (cut and flip White and White/Black wires).
- Plug male side of each 4-pin SR-CH1 connector to crossover cable, matching color (see wiring diagram).
- Plug the female 4-pin GREEN sCH1 connector to the male GREEN connector of crossover cable.
- Plug the female 4-pin WHITE sCH1 connector to the male WHITE connector of crossover cable.

With factory AMP:

(HRN-SR-CH1 v1.10) : Plug 4-pin connectors of sCH1 harness, GREEN to WHITE and WHITE to GREEN. Do not use crossover câbles.

(HRN-SR-CH1 v1.0 only):

- Modify WHITE crossover cable as shown in the diagram (cut and flip White and White/Black wires).
- Plug male side of each 4-pin SR-CH1 connector to crossover cable, matching color (see wiring diagram).
- Plug the female 4-pin GREEN sCH1 connector to the male WHITE connector of crossover cable.
- Plug the female 4-pin WHITE sCH1 connector to the male GREEN connector of crossover cable.

STEP 4

- Connect the factory radio harness to the SR-CH1 T-harness.

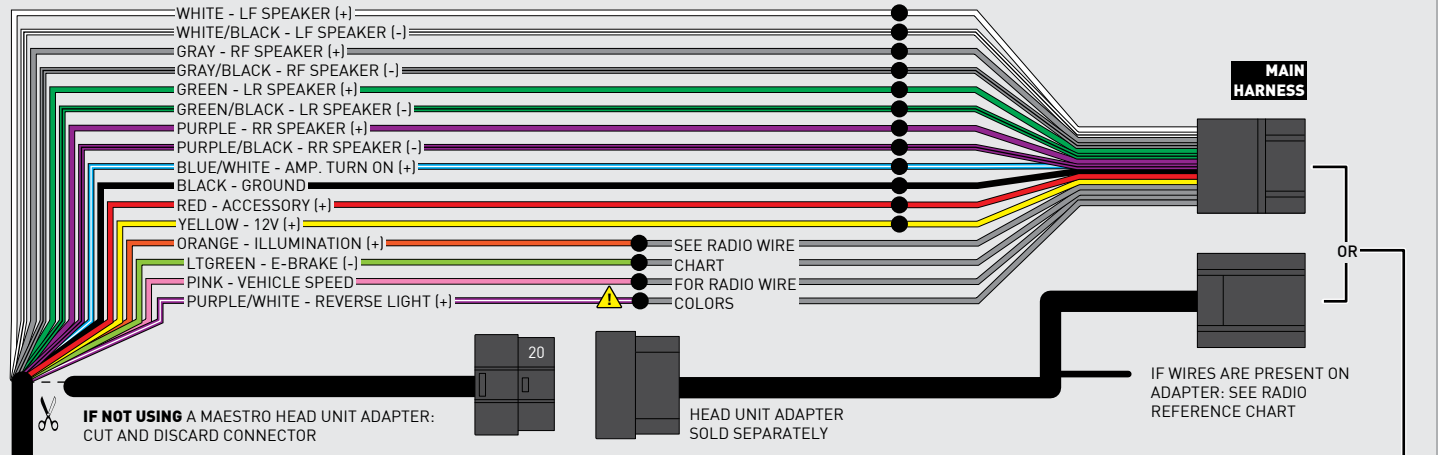
STEP 5

- Connect the SR-CH1 harness to the Maestro SR module.
- Connect the Data cable.

Test your installation.

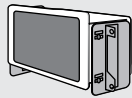
WIRING DIAGRAM

STEP 1



STEP 2

PIONEER RADIO: ENSURE THAT
NOTHING IS PLUGGED IN W/R PORT.



AFTERMARKET RADIO

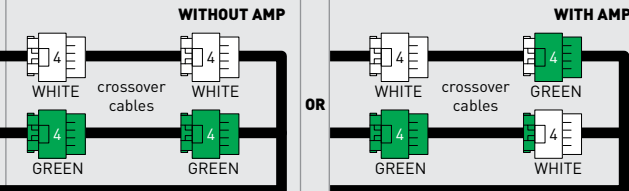
ONLY CONNECT PURPLE/WHITE WIRE TO RADIO REVERSE INPUT, NOT TO A
CAMERA OR OTHER ACCESSORY, OR MODULE DAMAGE WILL OCCUR.

STEP 3

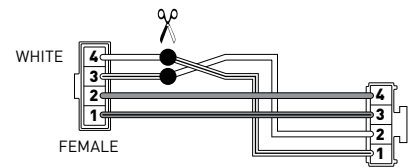
sCH1 HARNESS v1.10 + : PLUG WITHOUT USING CROSSOVER CABLES.

sCH1 HARNESS v1.00 ONLY

- 1- MODIFY WHITE CROSSOVER CABLE AS INDICATED TO THE RIGHT.
- 2- CONNECT CROSSOVER CABLES AS SHOWN BELOW.



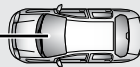
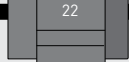
sCH1 v1.00 ONLY : WHITE CROSSOVER CABLE MODIFICATION
CUT + FLIP WHITE AND WHITE/BLACK WIRES.



STEP 4

FACTORY RADIO HARNESS

GRAY



AMP TURNON

NC

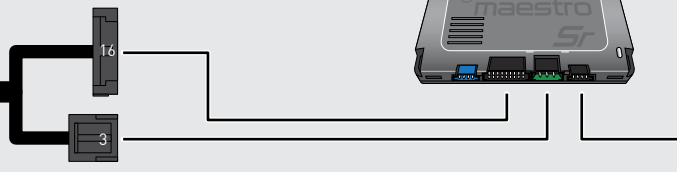
POC1 -

POC2 -

User configurable output - set up during module programming if desired.
Low current negative (~350mA) polarity output used to trigger a relay.

STEP 5

MAESTRO SR MODULE



NOT REQUIRED



RADIO WIRE REFERENCE CHART

CH1 T-harness Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/ JVC cable	Wire Color on Pioneer cable	Wire Color on Sony cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light*	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A

Head unit adapter wiring (optional accessory, sold separately)

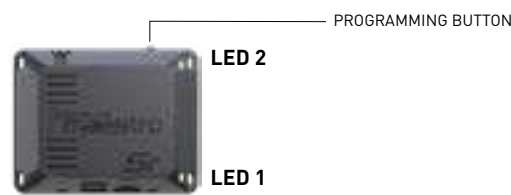
ACC-HU-ALP1 Wire Description	Polarity	Wire Color on Adapter	Alpine Radio
VSS (vehicle speed sensor)	(DATA)	Green/White	Green/White

ACC-HU-KEN1 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
CAM	(+)	Green/Red	Refer to camera/radio manual
CAM	(-)	Green/White	Refer to camera/radio manual
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

ACC-HU-KEN2 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
E-Brake	(-)	LtGreen	LtGreen
Reverse Light*	(+)	Purple/White	Purple/White
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

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

MODULE DIAGNOSTICS



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

TROUBLESHOOTING TABLE

PROBLEM	SOLUTION
When making a phone call you cannot hear the callers but they can hear you.	Switch the 4-pin green and white connectors in the t-harness.
The radio doesn't turn on. LED on the Maestro is not flashing.	Ensure the white and red 2-pin connectors are connected as shown in the diagram. Test for power at the large 3 pin connector of the harness. With it plugged in and vehicle turned on, we should have power on the red and yellow wires.
The light on the Maestro is blinking RED TWICE and the radio IS turning on.	<p>Ensure the 4-pin data cable is connected between the radio and the SR, and that it is plugged into the black port on the Maestro SR. The red and blue ports on the SR should be empty.</p> <p>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.</p>
The light on the Maestro is blinking RED TWICE but the radio is NOT turning on.	<p>If installing a modular radio and it is not turning on, ensure the screen is secured and any trim pieces on the radio have been installed fully. Not installing these fully will prevent radio from powering up and show a 2x red error as well.</p> <p>Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.</p>
No sound.	Ensure blue/white wire from harness is connected to radio's amp turn on output. This is usually blue/white but varies by radio manufacturer. Verify speaker wire connections and 4 pin connectors (green and white).

MAESTRO SR RESET PROCEDURE:

Turn the key to the OFF position, then disconnect all connectors from the module.

Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).

Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds to show the reset was successful.

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

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

RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER AND MORE!



+



**HEAD UNIT
ADAPTER READY**

PRODUCTS REQUIRED

iDataLink Maestro SR Radio Replacement Interface
iDataLink Maestro SR-CH1 Installation Harness

PROGRAMMED FIRMWARE: CH1-SR-DS

WELCOME

Congratulations on the purchase of your iDatalink Maestro SR 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 SR will only retain functionalities that were originally available in the vehicle.

NEED HELP?

☎ 1 866 427-2999

✉ maestro.support@idatalink.com

ADDITIONAL INFORMATION AND ACCESSORIES

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

AVCH1
(A/V adapter for backup camera retention)

Installation, product information, vehicle specific videos.

[VIDEO HELP](#)



Last flash information, steering control configuration, vehicle information.

[VERIFY FLASH](#)



Software to program module.

[WEBLINK](#)



INSTALLATION INSTRUCTIONS P1/1

BEFORE INSTALLING

- Remove the factory radio.
- Access the main 22 pin factory radio connector **(2.1)** and determine if you have a factory amplifier.

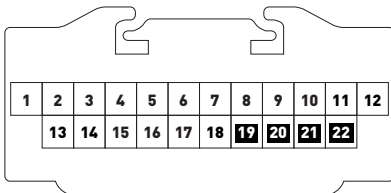


Fig. 2.1

If you don't have wires in PIN 19, 20, 21 and 22, you have a factory amplifier.

If you have wires in PIN 19, 20, 21 and 22, you don't have a factory amplifier

STEP 1

If using head unit adapter (sold separately), connect SR-CH1 harness to adapter and skip to step 2.

- Unbox the aftermarket radio and locate its main harness.
- Cut and remove the black 20 pin connector from the SR-CH1 T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the SR-CH1 T-harness and match the wire functions.

Note: Purple/white is a low current positive output used to trigger the radio only. Do NOT connect to anything other than the radio's reverse input. Refer to radio wire chart for radio's reverse light wire color.

If no camera is installed/desired, do not connect the radio's reverse wire. If installing an aftermarket camera, do NOT connect power for the camera to the Maestro's purple/white wire or module damage will occur.

STEP 2

- Plug the harnesses into the aftermarket radio.
- Plug the Data cable to the iDataLink port of the aftermarket radio.

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

STEP 3

Without factory AMP:

(HRN-SR-CH1 v1.10) : Plug 4-pin connectors of sCH1 harness, WHITE to WHITE and GREEN to GREEN. Do not use crossover câbles.

(HRN-SR-CH1 v1.0 only):

- Modify WHITE crossover cable as shown in the diagram (cut and flip White and White/Black wires).
- Plug male side of each 4-pin SR-CH1 connector to crossover cable, matching color (see wiring diagram).
- Plug the female 4-pin GREEN sCH1 connector to the male GREEN connector of crossover cable.
- Plug the female 4-pin WHITE sCH1 connector to the male WHITE connector of crossover cable.

With factory AMP:

(HRN-SR-CH1 v1.10) : Plug 4-pin connectors of sCH1 harness, GREEN to WHITE and WHITE to GREEN. Do not use crossover câbles.

(HRN-SR-CH1 v1.0 only):

- Modify WHITE crossover cable as shown in the diagram (cut and flip White and White/Black wires).
- Plug male side of each 4-pin SR-CH1 connector to crossover cable, matching color (see wiring diagram).
- Plug the female 4-pin GREEN sCH1 connector to the male WHITE connector of crossover cable.
- Plug the female 4-pin WHITE sCH1 connector to the male GREEN connector of crossover cable.

STEP 4

- Connect the factory radio harness to the SR-CH1 T-harness.

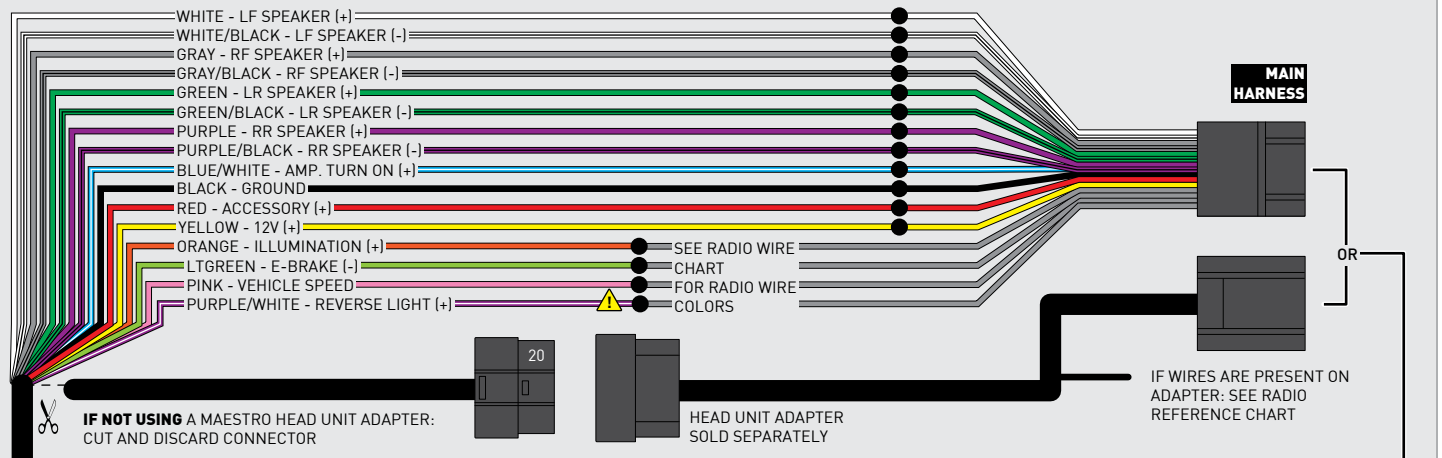
STEP 5

- Connect the SR-CH1 harness to the Maestro SR module.
- Connect the Data cable.

Test your installation.

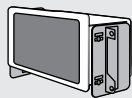
WIRING DIAGRAM

STEP 1



STEP 2

PIONEER RADIO: ENSURE THAT NOTHING IS PLUGGED IN W/R PORT.



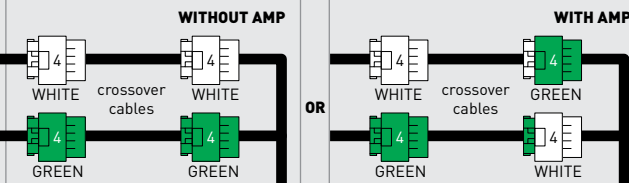
AFTERMARKET RADIO

STEP 3

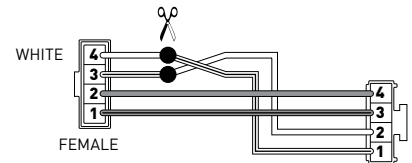
sCH1 HARNESS v1.10 + : PLUG WITHOUT USING CROSSOVER CABLES.

sCH1 HARNESS v1.00 ONLY

- 1- MODIFY WHITE CROSSOVER CABLE AS INDICATED TO THE RIGHT.
- 2- CONNECT CROSSOVER CABLES AS SHOWN BELOW.



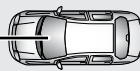
sCH1 v1.00 ONLY : WHITE CROSSOVER CABLE MODIFICATION CUT + FLIP WHITE AND WHITE/BLACK WIRES.



STEP 4

FACTORY RADIO HARNESS

GRAY



AMP TURNON

NC

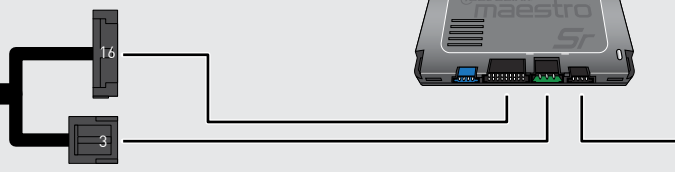
POC1 -

POC2 -

User configurable output - set up during module programming if desired.
Low current negative (~350mA) polarity output used to trigger a relay.

STEP 5

MAESTRO SR MODULE



NOT REQUIRED



RADIO WIRE REFERENCE CHART

CH1 T-harness Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/ JVC cable	Wire Color on Pioneer cable	Wire Color on Sony cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light*	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A

Head unit adapter wiring (optional accessory, sold separately)

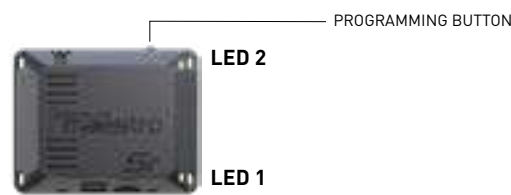
ACC-HU-ALP1 Wire Description	Polarity	Wire Color on Adapter	Alpine Radio
VSS (vehicle speed sensor)	(DATA)	Green/White	Green/White

ACC-HU-KEN1 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
CAM	(+)	Green/Red	Refer to camera/radio manual
CAM	(-)	Green/White	Refer to camera/radio manual
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

ACC-HU-KEN2 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
E-Brake	(-)	LtGreen	LtGreen
Reverse Light*	(+)	Purple/White	Purple/White
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

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

MODULE DIAGNOSTICS



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

TROUBLESHOOTING TABLE

PROBLEM	SOLUTION
When making a phone call you cannot hear the callers but they can hear you.	Switch the 4-pin green and white connectors in the t-harness.
The radio doesn't turn on. LED on the Maestro is not flashing.	Ensure the white and red 2-pin connectors are connected as shown in the diagram. Test for power at the large 3 pin connector of the harness. With it plugged in and vehicle turned on, we should have power on the red and yellow wires.
The light on the Maestro is blinking RED TWICE and the radio IS turning on.	<p>Ensure the 4-pin data cable is connected between the radio and the SR, and that it is plugged into the black port on the Maestro SR. The red and blue ports on the SR should be empty.</p> <p>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.</p>
The light on the Maestro is blinking RED TWICE but the radio is NOT turning on.	<p>If installing a modular radio and it is not turning on, ensure the screen is secured and any trim pieces on the radio have been installed fully. Not installing these fully will prevent radio from powering up and show a 2x red error as well.</p> <p>Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.</p>
No sound.	Ensure blue/white wire from harness is connected to radio's amp turn on output. This is usually blue/white but varies by radio manufacturer. Verify speaker wire connections and 4 pin connectors (green and white).

MAESTRO SR RESET PROCEDURE:

Turn the key to the OFF position, then disconnect all connectors from the module.

Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).

Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds to show the reset was successful.

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

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

RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER AND MORE!



+



**HEAD UNIT
ADAPTER READY**

PRODUCTS REQUIRED

iDataLink Maestro SR Radio Replacement Interface
iDataLink Maestro SR-CH1 Installation Harness

PROGRAMMED FIRMWARE: CH1-SR-DS


WELCOME

Congratulations on the purchase of your iDatalink Maestro SR 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 SR will only retain functionalities that were originally available in the vehicle.

NEED HELP?

 1 866 427-2999

 maestro.support@idatalink.com

ADDITIONAL INFORMATION AND ACCESSORIES

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

AVCH1
(A/V adapter for backup camera retention)

Installation, product information, vehicle specific videos.

[VIDEO HELP](#)



Last flash information, steering control configuration, vehicle information.

[VERIFY FLASH](#)



Software to program module.

[WEBLINK](#)



INSTALLATION INSTRUCTIONS P1/1

BEFORE INSTALLING

- Remove the factory radio.
- Access the main 22 pin factory radio connector **(2.1)** and determine if you have a factory amplifier.

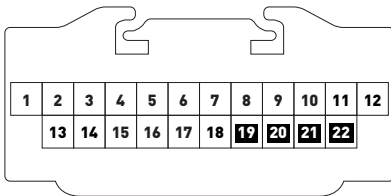


Fig. 2.1

If you don't have wires in PIN 19, 20, 21 and 22, you have a factory amplifier.

If you have wires in PIN 19, 20, 21 and 22, you don't have a factory amplifier

STEP 1

If using head unit adapter (sold separately), connect SR-CH1 harness to adapter and skip to step 2.

- Unbox the aftermarket radio and locate its main harness.
- Cut and remove the black 20 pin connector from the SR-CH1 T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the SR-CH1 T-harness and match the wire functions.

Note: Purple/white is a low current positive output used to trigger the radio only. Do NOT connect to anything other than the radio's reverse input. Refer to radio wire chart for radio's reverse light wire color.

If no camera is installed/desired, do not connect the radio's reverse wire. If installing an aftermarket camera, do NOT connect power for the camera to the Maestro's purple/white wire or module damage will occur.

STEP 2

- Plug the harnesses into the aftermarket radio.
- Plug the Data cable to the iDataLink port of the aftermarket radio.

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

STEP 3

Without factory AMP:

(HRN-SR-CH1 v1.10) : Plug 4-pin connectors of sCH1 harness, WHITE to WHITE and GREEN to GREEN. Do not use crossover câbles.

(HRN-SR-CH1 v1.0 only):

- Modify WHITE crossover cable as shown in the diagram (cut and flip White and White/Black wires).
- Plug male side of each 4-pin SR-CH1 connector to crossover cable, matching color (see wiring diagram).
- Plug the female 4-pin GREEN sCH1 connector to the male GREEN connector of crossover cable.
- Plug the female 4-pin WHITE sCH1 connector to the male WHITE connector of crossover cable.

With factory AMP:

(HRN-SR-CH1 v1.10) : Plug 4-pin connectors of sCH1 harness, GREEN to WHITE and WHITE to GREEN. Do not use crossover câbles.

(HRN-SR-CH1 v1.0 only):

- Modify WHITE crossover cable as shown in the diagram (cut and flip White and White/Black wires).
- Plug male side of each 4-pin SR-CH1 connector to crossover cable, matching color (see wiring diagram).
- Plug the female 4-pin GREEN sCH1 connector to the male WHITE connector of crossover cable.
- Plug the female 4-pin WHITE sCH1 connector to the male GREEN connector of crossover cable.

STEP 4

- Connect the factory radio harness to the SR-CH1 T-harness.

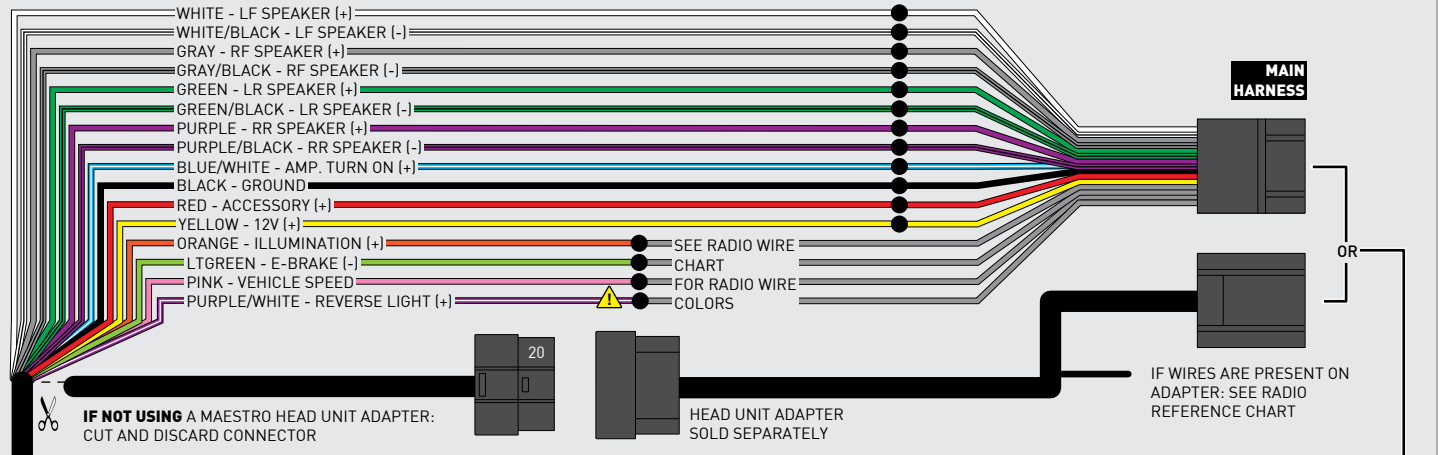
STEP 5

- Connect the SR-CH1 harness to the Maestro SR module.
- Connect the Data cable.

Test your installation.

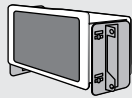
WIRING DIAGRAM

STEP 1



STEP 2

PIONEER RADIO: ENSURE THAT
NOTHING IS PLUGGED IN W/R PORT.



AFTERMARKET RADIO

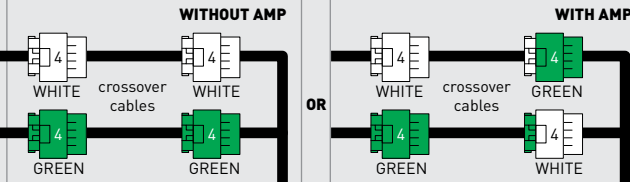
ONLY CONNECT PURPLE/WHITE WIRE TO RADIO REVERSE INPUT, NOT TO A
CAMERA OR OTHER ACCESSORY, OR MODULE DAMAGE WILL OCCUR.

STEP 3

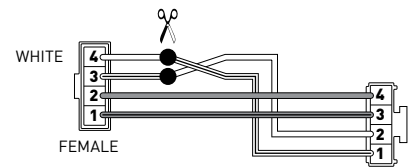
sCH1 HARNESS v1.10 + : PLUG WITHOUT USING CROSSOVER CABLES.

sCH1 HARNESS v1.00 ONLY

- 1- MODIFY WHITE CROSSOVER CABLE AS INDICATED TO THE RIGHT.
- 2- CONNECT CROSSOVER CABLES AS SHOWN BELOW.



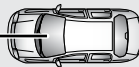
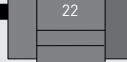
sCH1 v1.00 ONLY : WHITE CROSSOVER CABLE MODIFICATION
CUT + FLIP WHITE AND WHITE/BLACK WIRES.



STEP 4

FACTORY RADIO HARNESS

GRAY



AMP TURNON

NC

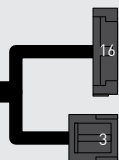
POC1 -

POC2 -

User configurable output - set up during module programming if desired.
Low current negative (~350mA) polarity output used to trigger a relay.

STEP 5

MAESTRO SR MODULE



NOT REQUIRED



RADIO WIRE REFERENCE CHART

CH1 T-harness Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/ JVC cable	Wire Color on Pioneer cable	Wire Color on Sony cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light*	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A

Head unit adapter wiring (optional accessory, sold separately)

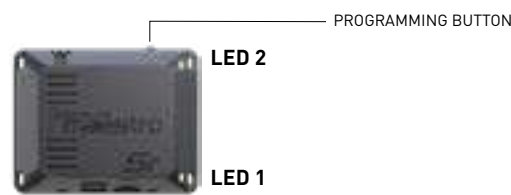
ACC-HU-ALP1 Wire Description	Polarity	Wire Color on Adapter	Alpine Radio
VSS (vehicle speed sensor)	(DATA)	Green/White	Green/White

ACC-HU-KEN1 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
CAM	(+)	Green/Red	Refer to camera/radio manual
CAM	(-)	Green/White	Refer to camera/radio manual
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

ACC-HU-KEN2 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
E-Brake	(-)	LtGreen	LtGreen
Reverse Light*	(+)	Purple/White	Purple/White
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

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

MODULE DIAGNOSTICS



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

TROUBLESHOOTING TABLE

PROBLEM	SOLUTION
When making a phone call you cannot hear the callers but they can hear you.	Switch the 4-pin green and white connectors in the t-harness.
The radio doesn't turn on. LED on the Maestro is not flashing.	Ensure the white and red 2-pin connectors are connected as shown in the diagram. Test for power at the large 3 pin connector of the harness. With it plugged in and vehicle turned on, we should have power on the red and yellow wires.
The light on the Maestro is blinking RED TWICE and the radio IS turning on.	<p>Ensure the 4-pin data cable is connected between the radio and the SR, and that it is plugged into the black port on the Maestro SR. The red and blue ports on the SR should be empty.</p> <p>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.</p>
The light on the Maestro is blinking RED TWICE but the radio is NOT turning on.	<p>If installing a modular radio and it is not turning on, ensure the screen is secured and any trim pieces on the radio have been installed fully. Not installing these fully will prevent radio from powering up and show a 2x red error as well.</p> <p>Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.</p>
No sound.	Ensure blue/white wire from harness is connected to radio's amp turn on output. This is usually blue/white but varies by radio manufacturer. Verify speaker wire connections and 4 pin connectors (green and white).

MAESTRO SR RESET PROCEDURE:

Turn the key to the OFF position, then disconnect all connectors from the module.

Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).

Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds to show the reset was successful.

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

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

RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER AND MORE!



HEAD UNIT
ADAPTER READY

PRODUCTS REQUIRED

iDatalink Maestro SR Radio Replacement Interface
iDatalink Maestro SR-CH1 Installation Harness

PROGRAMMED FIRMWARE: CH1-SR-DS


WELCOME

Congratulations on the purchase of your iDatalink Maestro SR 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 SR will only retain functionalities that were originally available in the vehicle.

NEED HELP?

 1 866 427-2999

 maestro.support@idatalink.com

ADDITIONAL INFORMATION AND ACCESSORIES

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

AVCH1
(A/V adapter for backup camera retention)

Installation, product information, vehicle specific videos.

[VIDEO HELP](#)



Last flash information, steering control configuration, vehicle information.

[VERIFY FLASH](#)



Software to program module.

[WEBLINK](#)



INSTALLATION INSTRUCTIONS P1/1

BEFORE INSTALLING

- Remove the factory radio.
- Access the main 22 pin factory radio connector **(2.1)** and determine if you have a factory amplifier.

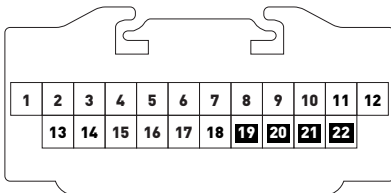


Fig. 2.1

If you don't have wires in PIN 19, 20, 21 and 22, you have a factory amplifier.

If you have wires in PIN 19, 20, 21 and 22, you don't have a factory amplifier

STEP 1

If using head unit adapter (sold separately), connect SR-CH1 harness to adapter and skip to step 2.

- Unbox the aftermarket radio and locate its main harness.
- Cut and remove the black 20 pin connector from the SR-CH1 T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the SR-CH1 T-harness and match the wire functions.

Note: Purple/white is a low current positive output used to trigger the radio only. Do NOT connect to anything other than the radio's reverse input. Refer to radio wire chart for radio's reverse light wire color.

If no camera is installed/desired, do not connect the radio's reverse wire. If installing an aftermarket camera, do NOT connect power for the camera to the Maestro's purple/white wire or module damage will occur.

STEP 2

- Plug the harnesses into the aftermarket radio.
- Plug the Data cable to the iDataLink port of the aftermarket radio.

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

STEP 3

Without factory AMP:

(HRN-SR-CH1 v1.10) : Plug 4-pin connectors of sCH1 harness, WHITE to WHITE and GREEN to GREEN. Do not use crossover câbles.

(HRN-SR-CH1 v1.0 only):

- Modify WHITE crossover cable as shown in the diagram (cut and flip White and White/Black wires).
- Plug male side of each 4-pin SR-CH1 connector to crossover cable, matching color (see wiring diagram).
- Plug the female 4-pin GREEN sCH1 connector to the male GREEN connector of crossover cable.
- Plug the female 4-pin WHITE sCH1 connector to the male WHITE connector of crossover cable.

With factory AMP:

(HRN-SR-CH1 v1.10) : Plug 4-pin connectors of sCH1 harness, GREEN to WHITE and WHITE to GREEN. Do not use crossover câbles.

(HRN-SR-CH1 v1.0 only):

- Modify WHITE crossover cable as shown in the diagram (cut and flip White and White/Black wires).
- Plug male side of each 4-pin SR-CH1 connector to crossover cable, matching color (see wiring diagram).
- Plug the female 4-pin GREEN sCH1 connector to the male WHITE connector of crossover cable.
- Plug the female 4-pin WHITE sCH1 connector to the male GREEN connector of crossover cable.

STEP 4

- Connect the factory radio harness to the SR-CH1 T-harness.

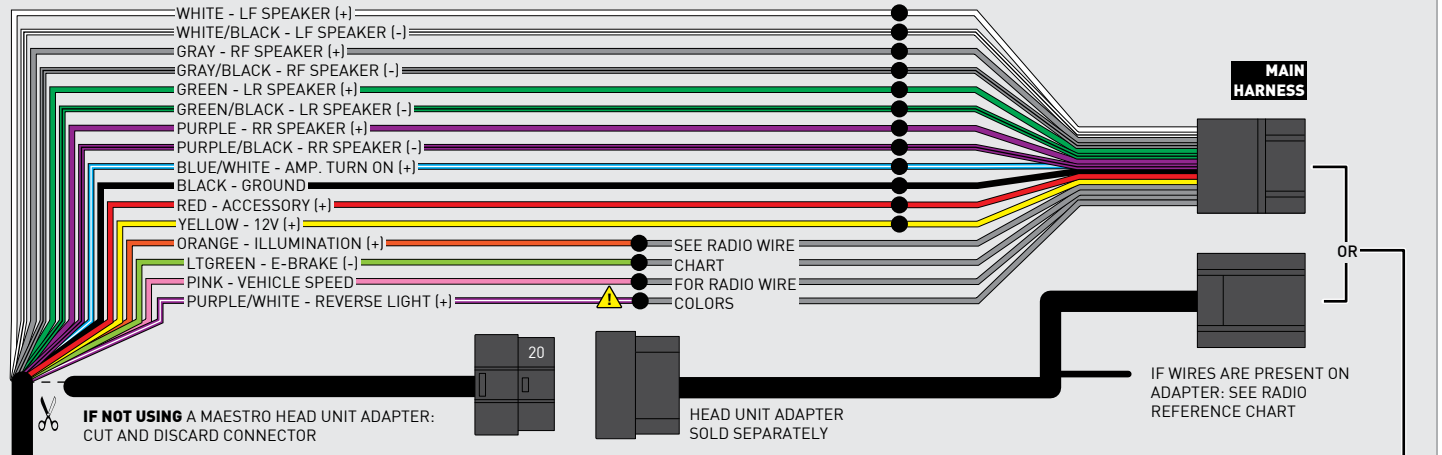
STEP 5

- Connect the SR-CH1 harness to the Maestro SR module.
- Connect the Data cable.

Test your installation.

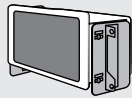
WIRING DIAGRAM

STEP 1



STEP 2

PIONEER RADIO: ENSURE THAT
NOTHING IS PLUGGED IN W/R PORT.



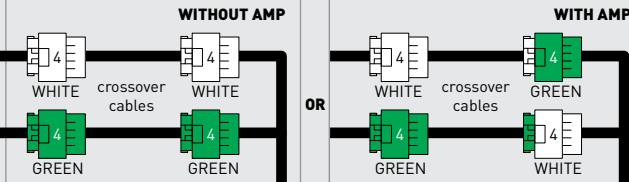
AFTERMARKET RADIO

STEP 3

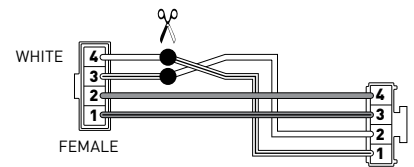
sCH1 HARNESS v1.10 + : PLUG WITHOUT USING CROSSOVER CABLES.

sCH1 HARNESS v1.00 ONLY

- 1- MODIFY WHITE CROSSOVER CABLE AS INDICATED TO THE RIGHT.
- 2- CONNECT CROSSOVER CABLES AS SHOWN BELOW.



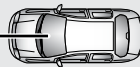
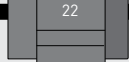
sCH1 v1.00 ONLY : WHITE CROSSOVER CABLE MODIFICATION
CUT + FLIP WHITE AND WHITE/BLACK WIRES.



STEP 4

FACTORY RADIO HARNESS

GRAY



AMP TURNON

NC

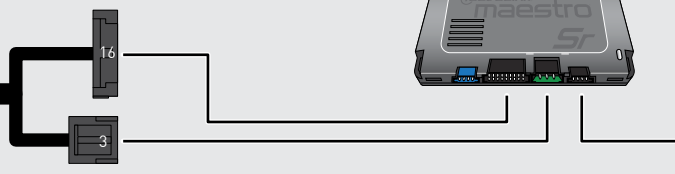
POC1 -

POC2 -

User configurable output - set up during module programming if desired.
Low current negative (~350mA) polarity output used to trigger a relay.

STEP 5

MAESTRO SR MODULE



NOT REQUIRED



RADIO WIRE REFERENCE CHART

CH1 T-harness Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/ JVC cable	Wire Color on Pioneer cable	Wire Color on Sony cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light*	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A

Head unit adapter wiring (optional accessory, sold separately)

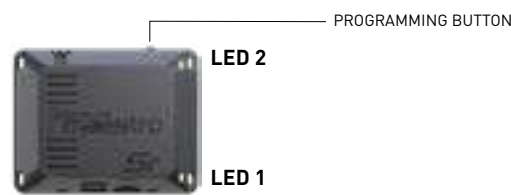
ACC-HU-ALP1 Wire Description	Polarity	Wire Color on Adapter	Alpine Radio
VSS (vehicle speed sensor)	(DATA)	Green/White	Green/White

ACC-HU-KEN1 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
CAM	(+)	Green/Red	Refer to camera/radio manual
CAM	(-)	Green/White	Refer to camera/radio manual
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

ACC-HU-KEN2 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
E-Brake	(-)	LtGreen	LtGreen
Reverse Light*	(+)	Purple/White	Purple/White
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

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

MODULE DIAGNOSTICS



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

TROUBLESHOOTING TABLE

PROBLEM	SOLUTION
When making a phone call you cannot hear the callers but they can hear you.	Switch the 4-pin green and white connectors in the t-harness.
The radio doesn't turn on. LED on the Maestro is not flashing.	Ensure the white and red 2-pin connectors are connected as shown in the diagram. Test for power at the large 3 pin connector of the harness. With it plugged in and vehicle turned on, we should have power on the red and yellow wires.
The light on the Maestro is blinking RED TWICE and the radio IS turning on.	<p>Ensure the 4-pin data cable is connected between the radio and the SR, and that it is plugged into the black port on the Maestro SR. The red and blue ports on the SR should be empty.</p> <p>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.</p>
The light on the Maestro is blinking RED TWICE but the radio is NOT turning on.	<p>If installing a modular radio and it is not turning on, ensure the screen is secured and any trim pieces on the radio have been installed fully. Not installing these fully will prevent radio from powering up and show a 2x red error as well.</p> <p>Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.</p>
No sound.	Ensure blue/white wire from harness is connected to radio's amp turn on output. This is usually blue/white but varies by radio manufacturer. Verify speaker wire connections and 4 pin connectors (green and white).

MAESTRO SR RESET PROCEDURE:

Turn the key to the OFF position, then disconnect all connectors from the module.

Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).

Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds to show the reset was successful.

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

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

RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER AND MORE!



+



**HEAD UNIT
ADAPTER READY**

PRODUCTS REQUIRED

iDataLink Maestro SR Radio Replacement Interface
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PROGRAMMED FIRMWARE: CH1-SR-DS


WELCOME

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

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ADDITIONAL INFORMATION AND ACCESSORIES

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

AVCH1
(A/V adapter for backup camera retention)

Installation, product information, vehicle specific videos.

[VIDEO HELP](#)



Last flash information, steering control configuration, vehicle information.

[VERIFY FLASH](#)



Software to program module.

[WEBLINK](#)



INSTALLATION INSTRUCTIONS P1/1

BEFORE INSTALLING

- Remove the factory radio.
- Access the main 22 pin factory radio connector **(2.1)** and determine if you have a factory amplifier.

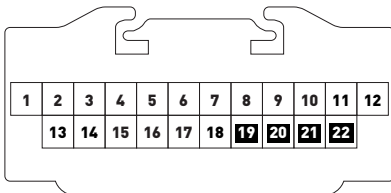


Fig. 2.1

If you don't have wires in PIN 19, 20, 21 and 22, you have a factory amplifier.

If you have wires in PIN 19, 20, 21 and 22, you don't have a factory amplifier

STEP 1

If using head unit adapter (sold separately), connect SR-CH1 harness to adapter and skip to step 2.

- Unbox the aftermarket radio and locate its main harness.
- Cut and remove the black 20 pin connector from the SR-CH1 T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the SR-CH1 T-harness and match the wire functions.

Note: Purple/white is a low current positive output used to trigger the radio only. Do NOT connect to anything other than the radio's reverse input. Refer to radio wire chart for radio's reverse light wire color.

If no camera is installed/desired, do not connect the radio's reverse wire. If installing an aftermarket camera, do NOT connect power for the camera to the Maestro's purple/white wire or module damage will occur.

STEP 2

- Plug the harnesses into the aftermarket radio.
- Plug the Data cable to the iDataLink port of the aftermarket radio.

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

STEP 3

Without factory AMP:

(HRN-SR-CH1 v1.10) : Plug 4-pin connectors of sCH1 harness, WHITE to WHITE and GREEN to GREEN. Do not use crossover câbles.

(HRN-SR-CH1 v1.0 only):

- Modify WHITE crossover cable as shown in the diagram (cut and flip White and White/Black wires).
- Plug male side of each 4-pin SR-CH1 connector to crossover cable, matching color (see wiring diagram).
- Plug the female 4-pin GREEN sCH1 connector to the male GREEN connector of crossover cable.
- Plug the female 4-pin WHITE sCH1 connector to the male WHITE connector of crossover cable.

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- Plug male side of each 4-pin SR-CH1 connector to crossover cable, matching color (see wiring diagram).
- Plug the female 4-pin GREEN sCH1 connector to the male WHITE connector of crossover cable.
- Plug the female 4-pin WHITE sCH1 connector to the male GREEN connector of crossover cable.

STEP 4

- Connect the factory radio harness to the SR-CH1 T-harness.

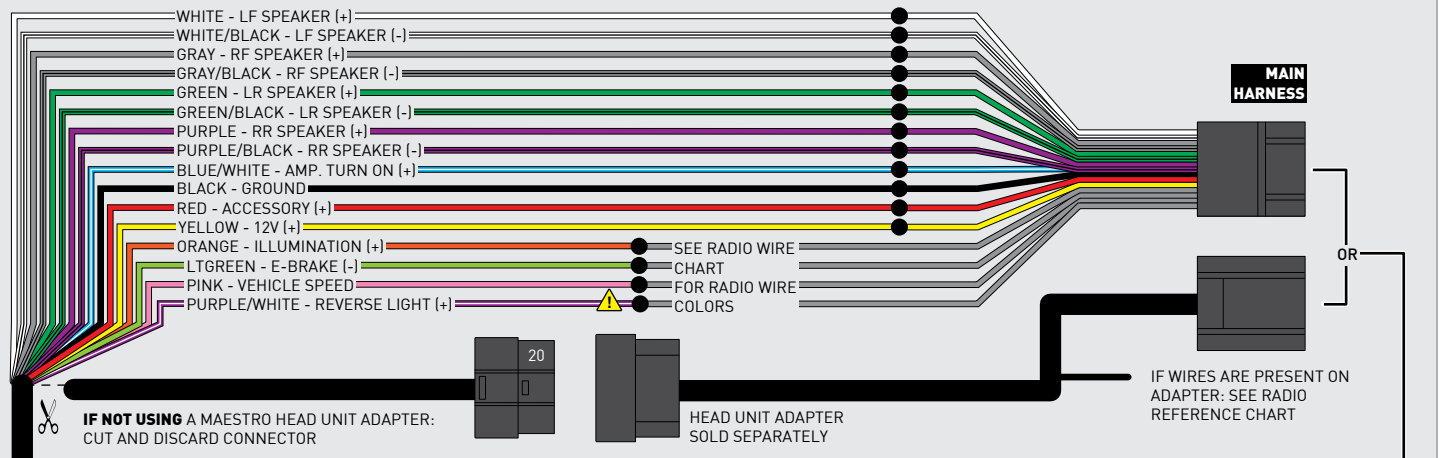
STEP 5

- Connect the SR-CH1 harness to the Maestro SR module.
- Connect the Data cable.

Test your installation.

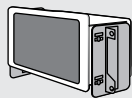
WIRING DIAGRAM

STEP 1



STEP 2

PIONEER RADIO: ENSURE THAT NOTHING IS PLUGGED IN W/R PORT.



AFTERMARKET RADIO

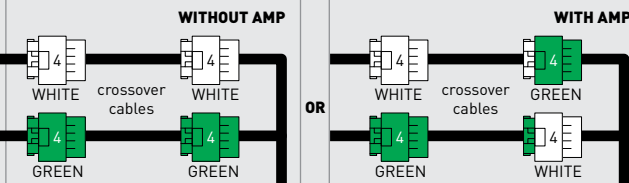
ONLY CONNECT PURPLE/WHITE WIRE TO RADIO REVERSE INPUT, NOT TO A CAMERA OR OTHER ACCESSORY, OR MODULE DAMAGE WILL OCCUR.

STEP 3

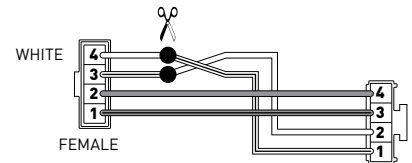
sCH1 HARNESS v1.10 + : PLUG WITHOUT USING CROSSOVER CABLES.

sCH1 HARNESS v1.00 ONLY

- 1- MODIFY WHITE CROSSOVER CABLE AS INDICATED TO THE RIGHT.
- 2- CONNECT CROSSOVER CABLES AS SHOWN BELOW.



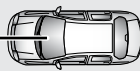
sCH1 v1.00 ONLY : WHITE CROSSOVER CABLE MODIFICATION CUT + FLIP WHITE AND WHITE/BLACK WIRES.



STEP 4

FACTORY RADIO HARNESS

GRAY



AMP TURNON

NC

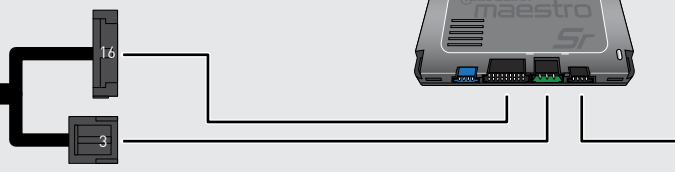
POC1 -

POC2 -

User configurable output - set up during module programming if desired.
Low current negative (~350mA) polarity output used to trigger a relay.

STEP 5

MAESTRO SR MODULE



NOT REQUIRED



RADIO WIRE REFERENCE CHART

CH1 T-harness Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/ JVC cable	Wire Color on Pioneer cable	Wire Color on Sony cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light*	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A

Head unit adapter wiring (optional accessory, sold separately)

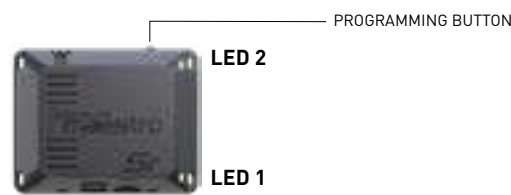
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ACC-HU-KEN2 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
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Reverse Light*	(+)	Purple/White	Purple/White
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

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

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 Bluetooth activity	LED STATUS	DIAGNOSTIC
<div><div></div> or <div></div></div>		RED or GREEN flashing	LED flashes 1 or more times, either red or green, when a steering wheel button is pressed : normal operation.
<div></div>		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do <u>NOT</u> use DEMO MODE.
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When making a phone call you cannot hear the callers but they can hear you.	Switch the 4-pin green and white connectors in the t-harness.
The radio doesn't turn on. LED on the Maestro is not flashing.	Ensure the white and red 2-pin connectors are connected as shown in the diagram. Test for power at the large 3 pin connector of the harness. With it plugged in and vehicle turned on, we should have power on the red and yellow wires.
The light on the Maestro is blinking RED TWICE and the radio IS turning on.	<p>Ensure the 4-pin data cable is connected between the radio and the SR, and that it is plugged into the black port on the Maestro SR. The red and blue ports on the SR should be empty.</p> <p>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.</p>
The light on the Maestro is blinking RED TWICE but the radio is NOT turning on.	<p>If installing a modular radio and it is not turning on, ensure the screen is secured and any trim pieces on the radio have been installed fully. Not installing these fully will prevent radio from powering up and show a 2x red error as well.</p> <p>Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.</p>
No sound.	Ensure blue/white wire from harness is connected to radio's amp turn on output. This is usually blue/white but varies by radio manufacturer. Verify speaker wire connections and 4 pin connectors (green and white).

MAESTRO SR 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

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AVCH1
(A/V adapter for backup camera retention)

Installation, product information, vehicle specific videos.

[VIDEO HELP](#)



Last flash information, steering control configuration, vehicle information.

[VERIFY FLASH](#)



Software to program module.

[WEBLINK](#)



INSTALLATION INSTRUCTIONS P1/1

BEFORE INSTALLING

- Remove the factory radio.
- Access the main 22 pin factory radio connector **(2.1)** and determine if you have a factory amplifier.

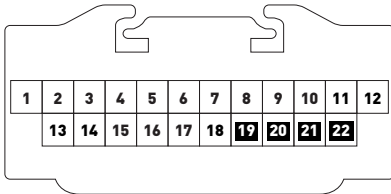


Fig. 2.1

If you don't have wires in PIN 19, 20, 21 and 22, you have a factory amplifier.

If you have wires in PIN 19, 20, 21 and 22, you don't have a factory amplifier

STEP 1

If using head unit adapter (sold separately), connect SR-CH1 harness to adapter and skip to step 2.

- Unbox the aftermarket radio and locate its main harness.
- Cut and remove the black 20 pin connector from the SR-CH1 T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the SR-CH1 T-harness and match the wire functions.

Note: Purple/white is a low current positive output used to trigger the radio only. Do NOT connect to anything other than the radio's reverse input. Refer to radio wire chart for radio's reverse light wire color.

If no camera is installed/desired, do not connect the radio's reverse wire. If installing an aftermarket camera, do NOT connect power for the camera to the Maestro's purple/white wire or module damage will occur.

STEP 2

- Plug the harnesses into the aftermarket radio.
- Plug the Data cable to the iDataLink port of the aftermarket radio.

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

STEP 3

Without factory AMP:

(HRN-SR-CH1 v1.10) : Plug 4-pin connectors of sCH1 harness, WHITE to WHITE and GREEN to GREEN. Do not use crossover câbles.

(HRN-SR-CH1 v1.0 only):

- Modify WHITE crossover cable as shown in the diagram (cut and flip White and White/Black wires).
- Plug male side of each 4-pin SR-CH1 connector to crossover cable, matching color (see wiring diagram).
- Plug the female 4-pin GREEN sCH1 connector to the male GREEN connector of crossover cable.
- Plug the female 4-pin WHITE sCH1 connector to the male WHITE connector of crossover cable.

With factory AMP:

(HRN-SR-CH1 v1.10) : Plug 4-pin connectors of sCH1 harness, GREEN to WHITE and WHITE to GREEN. Do not use crossover câbles.

(HRN-SR-CH1 v1.0 only):

- Modify WHITE crossover cable as shown in the diagram (cut and flip White and White/Black wires).
- Plug male side of each 4-pin SR-CH1 connector to crossover cable, matching color (see wiring diagram).
- Plug the female 4-pin GREEN sCH1 connector to the male WHITE connector of crossover cable.
- Plug the female 4-pin WHITE sCH1 connector to the male GREEN connector of crossover cable.

STEP 4

- Connect the factory radio harness to the SR-CH1 T-harness.

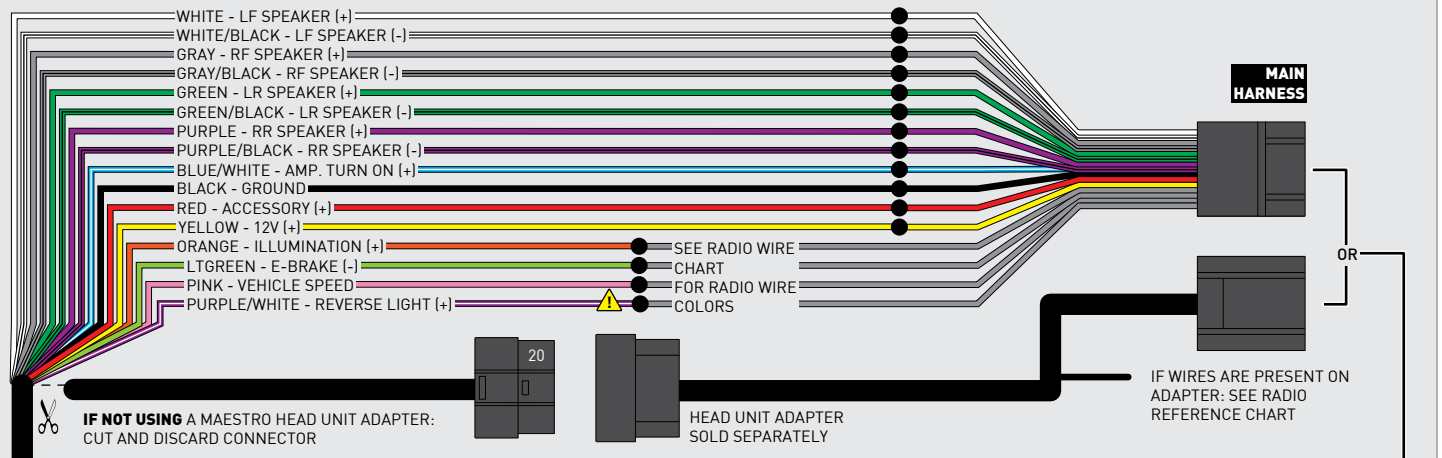
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- Connect the Data cable.

Test your installation.

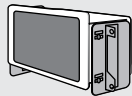
WIRING DIAGRAM

STEP 1



STEP 2

PIONEER RADIO: ENSURE THAT
NOTHING IS PLUGGED IN W/R PORT.



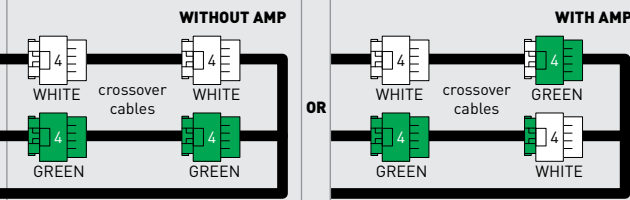
AFTERMARKET RADIO

ONLY CONNECT PURPLE/WHITE WIRE TO RADIO REVERSE INPUT, NOT TO A
CAMERA OR OTHER ACCESSORY, OR MODULE DAMAGE WILL OCCUR.

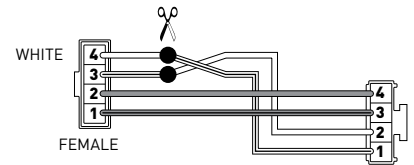
STEP 3

sCH1 HARNESS v1.10 + : PLUG WITHOUT USING CROSSOVER CABLES.

sCH1 HARNESS v1.00 ONLY
1- MODIFY WHITE CROSSOVER CABLE AS INDICATED TO THE RIGHT.
2- CONNECT CROSSOVER CABLES AS SHOWN BELOW.



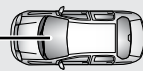
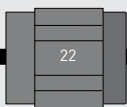
sCH1 v1.00 ONLY : WHITE CROSSOVER CABLE MODIFICATION
CUT + FLIP WHITE AND WHITE/BLACK WIRES.



STEP 4

FACTORY RADIO HARNESS

GRAY



AMP TURNON

NC

POC1 -

POC2 -

User configurable output - set up during module programming if desired.
Low current negative (~350mA) polarity output used to trigger a relay.

STEP 5

MAESTRO SR MODULE



NOT REQUIRED



RADIO WIRE REFERENCE CHART

CH1 T-harness Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/ JVC cable	Wire Color on Pioneer cable	Wire Color on Sony cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light*	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A

Head unit adapter wiring (optional accessory, sold separately)

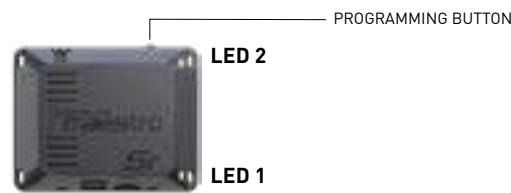
ACC-HU-ALP1 Wire Description	Polarity	Wire Color on Adapter	Alpine Radio
VSS (vehicle speed sensor)	(DATA)	Green/White	Green/White

ACC-HU-KEN1 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
CAM	(+)	Green/Red	Refer to camera/radio manual
CAM	(-)	Green/White	Refer to camera/radio manual
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

ACC-HU-KEN2 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
E-Brake	(-)	LtGreen	LtGreen
Reverse Light*	(+)	Purple/White	Purple/White
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

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

MODULE DIAGNOSTICS



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

TROUBLESHOOTING TABLE

PROBLEM	SOLUTION
When making a phone call you cannot hear the callers but they can hear you.	Switch the 4-pin green and white connectors in the t-harness.
The radio doesn't turn on. LED on the Maestro is not flashing.	Ensure the white and red 2-pin connectors are connected as shown in the diagram. Test for power at the large 3 pin connector of the harness. With it plugged in and vehicle turned on, we should have power on the red and yellow wires.
The light on the Maestro is blinking RED TWICE and the radio IS turning on.	<p>Ensure the 4-pin data cable is connected between the radio and the SR, and that it is plugged into the black port on the Maestro SR. The red and blue ports on the SR should be empty.</p> <p>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.</p>
The light on the Maestro is blinking RED TWICE but the radio is NOT turning on.	<p>If installing a modular radio and it is not turning on, ensure the screen is secured and any trim pieces on the radio have been installed fully. Not installing these fully will prevent radio from powering up and show a 2x red error as well.</p> <p>Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.</p>
No sound.	Ensure blue/white wire from harness is connected to radio's amp turn on output. This is usually blue/white but varies by radio manufacturer. Verify speaker wire connections and 4 pin connectors (green and white).

MAESTRO SR RESET PROCEDURE:

Turn the key to the OFF position, then disconnect all connectors from the module.

Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).

Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds to show the reset was successful.

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

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

RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER AND MORE!



+



**HEAD UNIT
ADAPTER READY**

PRODUCTS REQUIRED

iDataLink Maestro SR Radio Replacement Interface
iDataLink Maestro SR-CH1 Installation Harness

PROGRAMMED FIRMWARE: CH1-SR-DS

WELCOME

Congratulations on the purchase of your iDatalink Maestro SR 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 SR will only retain functionalities that were originally available in the vehicle.

NEED HELP?

☎ 1 866 427-2999

✉ maestro.support@idatalink.com

ADDITIONAL INFORMATION AND ACCESSORIES

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

AVCH1
(A/V adapter for backup camera retention)

Installation, product information, vehicle specific videos. [VIDEO HELP](#)



Last flash information, steering control configuration, vehicle information. [VERIFY FLASH](#)



Software to program module. [WEBLINK](#)



INSTALLATION INSTRUCTIONS P1/1

BEFORE INSTALLING

- Remove the factory radio.
- Access the main 22 pin factory radio connector **(2.1)** and determine if you have a factory amplifier.

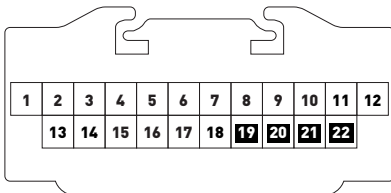


Fig. 2.1

If you don't have wires in PIN 19, 20, 21 and 22, you have a factory amplifier.

If you have wires in PIN 19, 20, 21 and 22, you don't have a factory amplifier

STEP 1

If using head unit adapter (sold separately), connect SR-CH1 harness to adapter and skip to step 2.

- Unbox the aftermarket radio and locate its main harness.
- Cut and remove the black 20 pin connector from the SR-CH1 T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the SR-CH1 T-harness and match the wire functions.

Note: Purple/white is a low current positive output used to trigger the radio only. Do NOT connect to anything other than the radio's reverse input. Refer to radio wire chart for radio's reverse light wire color.

If no camera is installed/desired, do not connect the radio's reverse wire. If installing an aftermarket camera, do NOT connect power for the camera to the Maestro's purple/white wire or module damage will occur.

STEP 2

- Plug the harnesses into the aftermarket radio.
- Plug the Data cable to the iDataLink port of the aftermarket radio.

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

STEP 3

Without factory AMP:

(HRN-SR-CH1 v1.10) : Plug 4-pin connectors of sCH1 harness, WHITE to WHITE and GREEN to GREEN. Do not use crossover câbles.

(HRN-SR-CH1 v1.0 only):

- Modify WHITE crossover cable as shown in the diagram (cut and flip White and White/Black wires).
- Plug male side of each 4-pin SR-CH1 connector to crossover cable, matching color (see wiring diagram).
- Plug the female 4-pin GREEN sCH1 connector to the male GREEN connector of crossover cable.
- Plug the female 4-pin WHITE sCH1 connector to the male WHITE connector of crossover cable.

With factory AMP:

(HRN-SR-CH1 v1.10) : Plug 4-pin connectors of sCH1 harness, GREEN to WHITE and WHITE to GREEN. Do not use crossover câbles.

(HRN-SR-CH1 v1.0 only):

- Modify WHITE crossover cable as shown in the diagram (cut and flip White and White/Black wires).
- Plug male side of each 4-pin SR-CH1 connector to crossover cable, matching color (see wiring diagram).
- Plug the female 4-pin GREEN sCH1 connector to the male WHITE connector of crossover cable.
- Plug the female 4-pin WHITE sCH1 connector to the male GREEN connector of crossover cable.

STEP 4

- Connect the factory radio harness to the SR-CH1 T-harness.

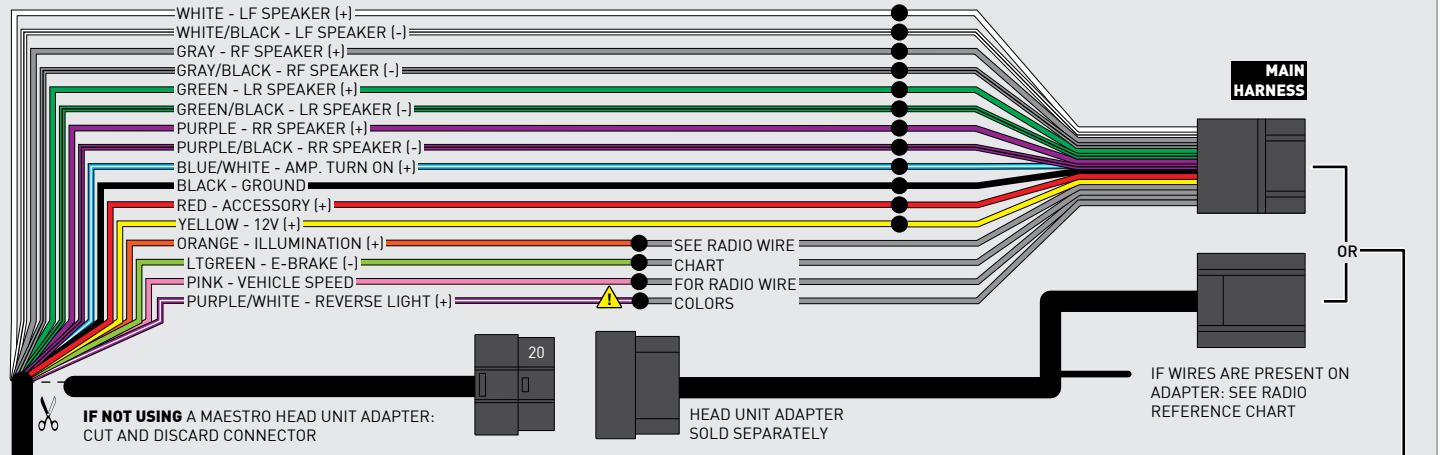
STEP 5

- Connect the SR-CH1 harness to the Maestro SR module.
- Connect the Data cable.

Test your installation.

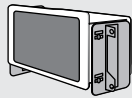
WIRING DIAGRAM

STEP 1



STEP 2

PIONEER RADIO: ENSURE THAT
NOTHING IS PLUGGED IN W/R PORT.



AFTERMARKET RADIO

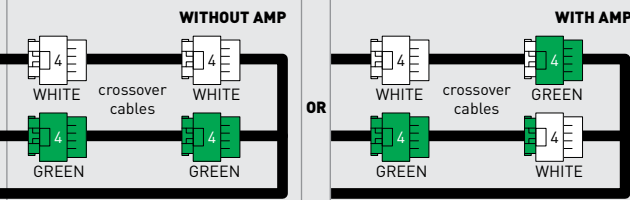
ONLY CONNECT PURPLE/WHITE WIRE TO RADIO REVERSE INPUT, NOT TO A
CAMERA OR OTHER ACCESSORY, OR MODULE DAMAGE WILL OCCUR.

STEP 3

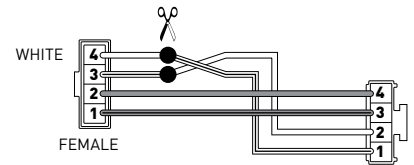
sCH1 HARNESS v1.10 + : PLUG WITHOUT USING CROSSOVER CABLES.

sCH1 HARNESS v1.00 ONLY

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- 2- CONNECT CROSSOVER CABLES AS SHOWN BELOW.



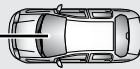
sCH1 v1.00 ONLY : WHITE CROSSOVER CABLE MODIFICATION
CUT + FLIP WHITE AND WHITE/BLACK WIRES.



STEP 4

FACTORY RADIO HARNESS

GRAY



AMP TURNON

NC

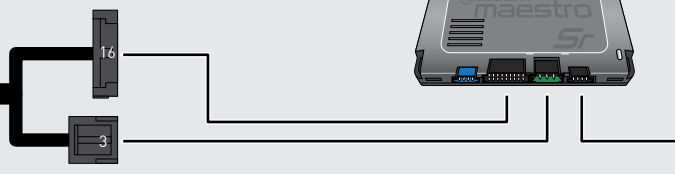
POC1 -

POC2 -

User configurable output - set up during module programming if desired.
Low current negative (~350mA) polarity output used to trigger a relay.

STEP 5

MAESTRO SR MODULE



NOT REQUIRED



RADIO WIRE REFERENCE CHART

CH1 T-harness Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/ JVC cable	Wire Color on Pioneer cable	Wire Color on Sony cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light*	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A

Head unit adapter wiring (optional accessory, sold separately)

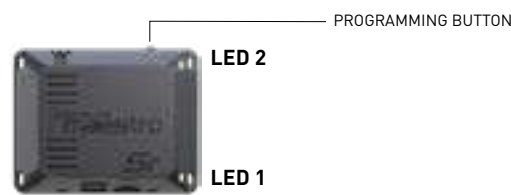
ACC-HU-ALP1 Wire Description	Polarity	Wire Color on Adapter	Alpine Radio
VSS (vehicle speed sensor)	(DATA)	Green/White	Green/White

ACC-HU-KEN1 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
CAM	(+)	Green/Red	Refer to camera/radio manual
CAM	(-)	Green/White	Refer to camera/radio manual
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

ACC-HU-KEN2 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
E-Brake	(-)	LtGreen	LtGreen
Reverse Light*	(+)	Purple/White	Purple/White
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

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

MODULE DIAGNOSTICS



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

TROUBLESHOOTING TABLE

PROBLEM	SOLUTION
When making a phone call you cannot hear the callers but they can hear you.	Switch the 4-pin green and white connectors in the t-harness.
The radio doesn't turn on. LED on the Maestro is not flashing.	Ensure the white and red 2-pin connectors are connected as shown in the diagram. Test for power at the large 3 pin connector of the harness. With it plugged in and vehicle turned on, we should have power on the red and yellow wires.
The light on the Maestro is blinking RED TWICE and the radio IS turning on.	<p>Ensure the 4-pin data cable is connected between the radio and the SR, and that it is plugged into the black port on the Maestro SR. The red and blue ports on the SR should be empty.</p> <p>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.</p>
The light on the Maestro is blinking RED TWICE but the radio is NOT turning on.	<p>If installing a modular radio and it is not turning on, ensure the screen is secured and any trim pieces on the radio have been installed fully. Not installing these fully will prevent radio from powering up and show a 2x red error as well.</p> <p>Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.</p>
No sound.	Ensure blue/white wire from harness is connected to radio's amp turn on output. This is usually blue/white but varies by radio manufacturer. Verify speaker wire connections and 4 pin connectors (green and white).

MAESTRO SR RESET PROCEDURE:

Turn the key to the OFF position, then disconnect all connectors from the module.

Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).

Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds to show the reset was successful.

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

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

RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER AND MORE!



+



**HEAD UNIT
ADAPTER READY**

PRODUCTS REQUIRED

iDataLink Maestro SR Radio Replacement Interface
iDataLink Maestro SR-CH1 Installation Harness

PROGRAMMED FIRMWARE: CH1-SR-DS


WELCOME

Congratulations on the purchase of your iDatalink Maestro SR 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 SR will only retain functionalities that were originally available in the vehicle.

NEED HELP?

 1 866 427-2999

 maestro.support@idatalink.com

ADDITIONAL INFORMATION AND ACCESSORIES

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

AVCH1
(A/V adapter for backup camera retention and rear seat entertainment system)

Installation, product information, vehicle specific videos.

[VIDEO HELP](#)



Last flash information, steering control configuration, vehicle information.

[VERIFY FLASH](#)



Software to program module.

[WEBLINK](#)



INSTALLATION INSTRUCTIONS P1/1

BEFORE INSTALLING

- Remove the factory radio.
- Access the main 22 pin factory radio connector **(2.1)** and determine if you have a factory amplifier.

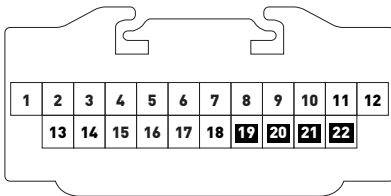


Fig. 2.1

If you don't have wires in PIN 19, 20, 21 and 22, you have a factory amplifier.

If you have wires in PIN 19, 20, 21 and 22, you don't have a factory amplifier

STEP 1

If using head unit adapter (sold separately), connect SR-CH1 harness to adapter and skip to step 2.

- Unbox the aftermarket radio and locate its main harness.
- Cut and remove the black 20 pin connector from the SR-CH1 T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the SR-CH1 T-harness and match the wire functions.

Note: Purple/white is a low current positive output used to trigger the radio only. Do NOT connect to anything other than the radio's reverse input. Refer to radio wire chart for radio's reverse light wire color.

If no camera is installed/desired, do not connect the radio's reverse wire. If installing an aftermarket camera, do NOT connect power for the camera to the Maestro's purple/white wire or module damage will occur.

STEP 2

- Plug the harnesses into the aftermarket radio.
- Plug the Data cable to the iDataLink port of the aftermarket radio.

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

STEP 3

Without factory AMP:

(HRN-SR-CH1 v1.10) : Plug 4-pin connectors of sCH1 harness, WHITE to WHITE and GREEN to GREEN. Do not use crossover câbles.

(HRN-SR-CH1 v1.0 only):

- Modify WHITE crossover cable as shown in the diagram (cut and flip White and White/Black wires).
- Plug male side of each 4-pin SR-CH1 connector to crossover cable, matching color (see wiring diagram).
- Plug the female 4-pin GREEN sCH1 connector to the male GREEN connector of crossover cable.
- Plug the female 4-pin WHITE sCH1 connector to the male WHITE connector of crossover cable.

With factory AMP:

(HRN-SR-CH1 v1.10) : Plug 4-pin connectors of sCH1 harness, GREEN to WHITE and WHITE to GREEN. Do not use crossover câbles.

(HRN-SR-CH1 v1.0 only):

- Modify WHITE crossover cable as shown in the diagram (cut and flip White and White/Black wires).
- Plug male side of each 4-pin SR-CH1 connector to crossover cable, matching color (see wiring diagram).
- Plug the female 4-pin GREEN sCH1 connector to the male WHITE connector of crossover cable.
- Plug the female 4-pin WHITE sCH1 connector to the male GREEN connector of crossover cable.

STEP 4

- Connect the factory radio harness to the SR-CH1 T-harness.

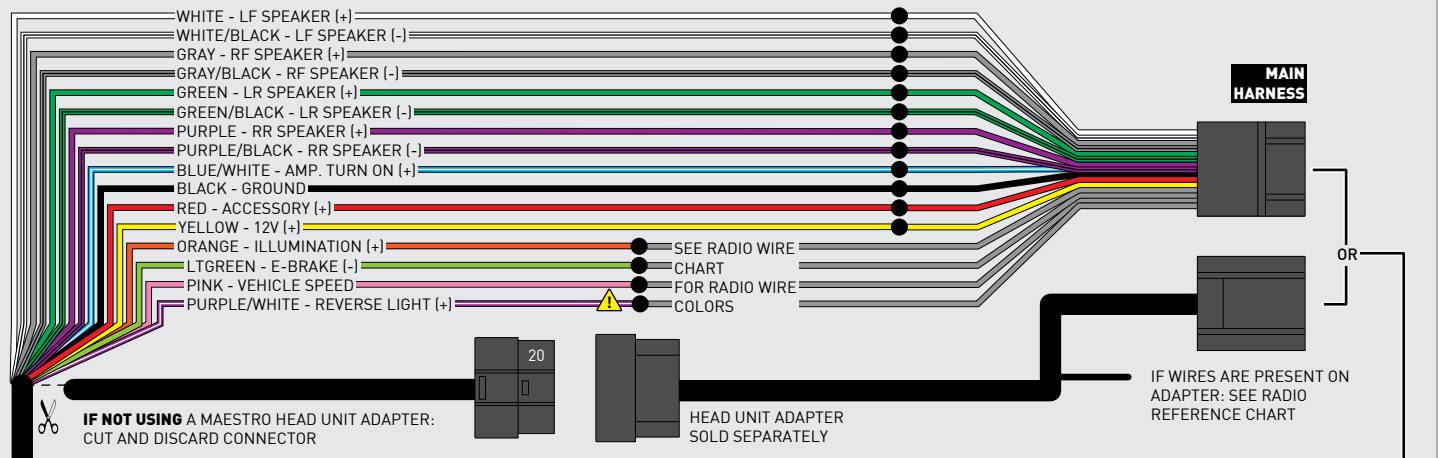
STEP 5

- Connect the SR-CH1 harness to the Maestro SR module.
- Connect the Data cable.

Test your installation.

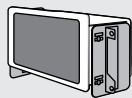
WIRING DIAGRAM

STEP 1



STEP 2

PIONEER RADIO: ENSURE THAT
NOTHING IS PLUGGED IN W/R PORT.



AFTERMARKET RADIO

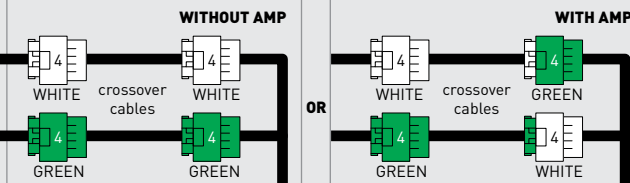
ONLY CONNECT PURPLE/WHITE WIRE TO RADIO REVERSE INPUT, NOT TO A
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STEP 3

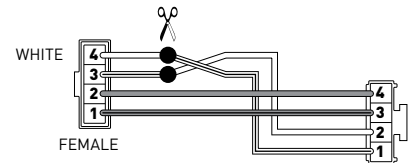
sCH1 HARNESS v1.10 + : PLUG WITHOUT USING CROSSOVER CABLES.

sCH1 HARNESS v1.00 ONLY

- 1- MODIFY WHITE CROSSOVER CABLE AS INDICATED TO THE RIGHT.
- 2- CONNECT CROSSOVER CABLES AS SHOWN BELOW.



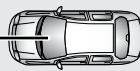
sCH1 v1.00 ONLY : WHITE CROSSOVER CABLE MODIFICATION
CUT + FLIP WHITE AND WHITE/BLACK WIRES.



STEP 4

FACTORY RADIO HARNESS

GRAY



AMP TURNON

NC

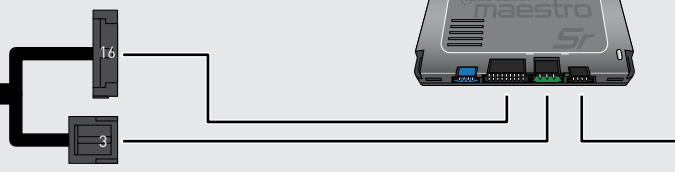
POC1 -

POC2 -

User configurable output - set up during module programming if desired.
Low current negative (~350mA) polarity output used to trigger a relay.

STEP 5

MAESTRO SR MODULE



NOT REQUIRED



RADIO WIRE REFERENCE CHART

CH1 T-harness Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/ JVC cable	Wire Color on Pioneer cable	Wire Color on Sony cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light*	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A

Head unit adapter wiring (optional accessory, sold separately)

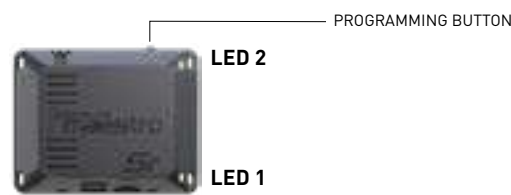
ACC-HU-ALP1 Wire Description	Polarity	Wire Color on Adapter	Alpine Radio
VSS (vehicle speed sensor)	(DATA)	Green/White	Green/White

ACC-HU-KEN1 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
CAM	(+)	Green/Red	Refer to camera/radio manual
CAM	(-)	Green/White	Refer to camera/radio manual
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

ACC-HU-KEN2 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
E-Brake	(-)	LtGreen	LtGreen
Reverse Light*	(+)	Purple/White	Purple/White
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

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

MODULE DIAGNOSTICS



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

TROUBLESHOOTING TABLE

PROBLEM	SOLUTION
When making a phone call you cannot hear the callers but they can hear you.	Switch the 4-pin green and white connectors in the t-harness.
The radio doesn't turn on. LED on the Maestro is not flashing.	Ensure the white and red 2-pin connectors are connected as shown in the diagram. Test for power at the large 3 pin connector of the harness. With it plugged in and vehicle turned on, we should have power on the red and yellow wires.
The light on the Maestro is blinking RED TWICE and the radio IS turning on.	<p>Ensure the 4-pin data cable is connected between the radio and the SR, and that it is plugged into the black port on the Maestro SR. The red and blue ports on the SR should be empty.</p> <p>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.</p>
The light on the Maestro is blinking RED TWICE but the radio is NOT turning on.	<p>If installing a modular radio and it is not turning on, ensure the screen is secured and any trim pieces on the radio have been installed fully. Not installing these fully will prevent radio from powering up and show a 2x red error as well.</p> <p>Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.</p>
No sound.	Ensure blue/white wire from harness is connected to radio's amp turn on output. This is usually blue/white but varies by radio manufacturer. Verify speaker wire connections and 4 pin connectors (green and white).

MAESTRO SR RESET PROCEDURE:

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

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

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

RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER AND MORE!



+



**HEAD UNIT
ADAPTER READY**

PRODUCTS REQUIRED

iDataLink Maestro SR Radio Replacement Interface
iDataLink Maestro SR-CH1 Installation Harness

PROGRAMMED FIRMWARE: CH1-SR-DS


WELCOME

Congratulations on the purchase of your iDatalink Maestro SR 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 SR will only retain functionalities that were originally available in the vehicle.

NEED HELP?

 1 866 427-2999

 maestro.support@idatalink.com

ADDITIONAL INFORMATION AND ACCESSORIES

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

AVCH1
(A/V adapter for backup camera retention)

Installation, product information, vehicle specific videos.

[VIDEO HELP](#)



Last flash information, steering control configuration, vehicle information.

[VERIFY FLASH](#)



Software to program module.

[WEBLINK](#)



INSTALLATION INSTRUCTIONS P1/1

BEFORE INSTALLING

- Remove the factory radio.
- Access the main 22 pin factory radio connector **(2.1)** and determine if you have a factory amplifier.

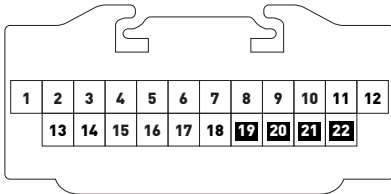


Fig. 2.1

If you don't have wires in PIN 19, 20, 21 and 22, you have a factory amplifier.

If you have wires in PIN 19, 20, 21 and 22, you don't have a factory amplifier

STEP 1

If using head unit adapter (sold separately), connect SR-CH1 harness to adapter and skip to step 2.

- Unbox the aftermarket radio and locate its main harness.
- Cut and remove the black 20 pin connector from the SR-CH1 T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the SR-CH1 T-harness and match the wire functions.

Note: Purple/white is a low current positive output used to trigger the radio only. Do NOT connect to anything other than the radio's reverse input. Refer to radio wire chart for radio's reverse light wire color.

If no camera is installed/desired, do not connect the radio's reverse wire. If installing an aftermarket camera, do NOT connect power for the camera to the Maestro's purple/white wire or module damage will occur.

STEP 2

- Plug the harnesses into the aftermarket radio.
- Plug the Data cable to the iDataLink port of the aftermarket radio.

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

STEP 3

Without factory AMP:

(HRN-SR-CH1 v1.10) : Plug 4-pin connectors of sCH1 harness, WHITE to WHITE and GREEN to GREEN. Do not use crossover câbles.

(HRN-SR-CH1 v1.0 only):

- Modify WHITE crossover cable as shown in the diagram (cut and flip White and White/Black wires).
- Plug male side of each 4-pin SR-CH1 connector to crossover cable, matching color (see wiring diagram).
- Plug the female 4-pin GREEN sCH1 connector to the male GREEN connector of crossover cable.
- Plug the female 4-pin WHITE sCH1 connector to the male WHITE connector of crossover cable.

With factory AMP:

(HRN-SR-CH1 v1.10) : Plug 4-pin connectors of sCH1 harness, GREEN to WHITE and WHITE to GREEN. Do not use crossover câbles.

(HRN-SR-CH1 v1.0 only):

- Modify WHITE crossover cable as shown in the diagram (cut and flip White and White/Black wires).
- Plug male side of each 4-pin SR-CH1 connector to crossover cable, matching color (see wiring diagram).
- Plug the female 4-pin GREEN sCH1 connector to the male WHITE connector of crossover cable.
- Plug the female 4-pin WHITE sCH1 connector to the male GREEN connector of crossover cable.

STEP 4

- Connect the factory radio harness to the SR-CH1 T-harness.

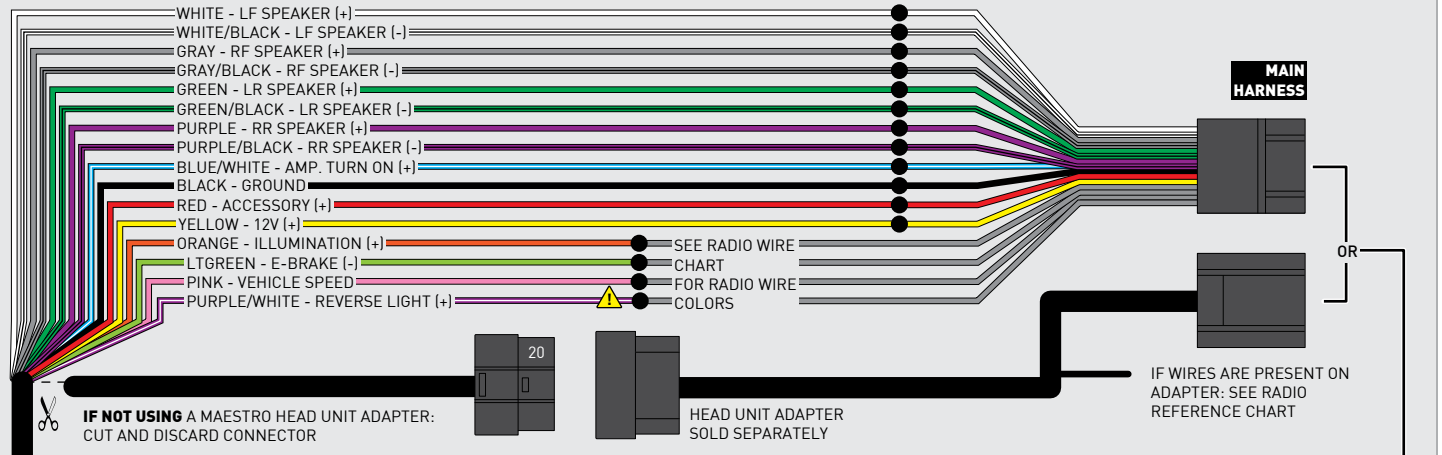
STEP 5

- Connect the SR-CH1 harness to the Maestro SR module.
- Connect the Data cable.

Test your installation.

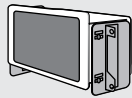
WIRING DIAGRAM

STEP 1



STEP 2

PIONEER RADIO: ENSURE THAT NOTHING IS PLUGGED IN W/R PORT.

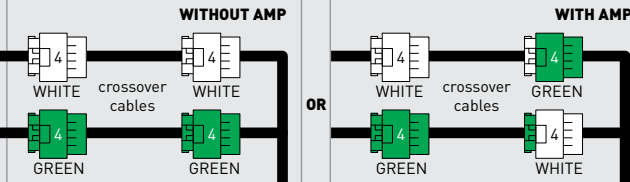


AFTERMARKET RADIO

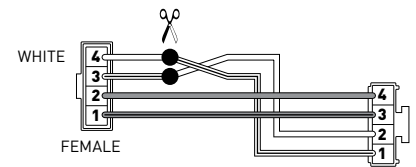
STEP 3

sCH1 HARNESS v1.10 + : PLUG WITHOUT USING CROSSOVER CABLES.

- sCH1 HARNESS v1.00 ONLY
- 1- MODIFY WHITE CROSSOVER CABLE AS INDICATED TO THE RIGHT.
 - 2- CONNECT CROSSOVER CABLES AS SHOWN BELOW.



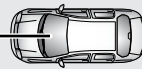
- sCH1 v1.00 ONLY : WHITE CROSSOVER CABLE MODIFICATION CUT + FLIP WHITE AND WHITE/BLACK WIRES.



STEP 4

FACTORY RADIO HARNESS

GRAY



AMP TURNON

NC

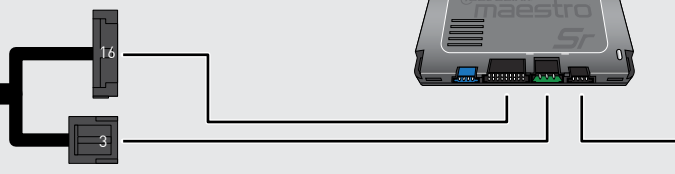
POC1 -

POC2 -

User configurable output - set up during module programming if desired.
Low current negative (~350mA) polarity output used to trigger a relay.

STEP 5

MAESTRO SR MODULE



NOT REQUIRED



RADIO WIRE REFERENCE CHART

CH1 T-harness Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/ JVC cable	Wire Color on Pioneer cable	Wire Color on Sony cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light*	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A

Head unit adapter wiring (optional accessory, sold separately)

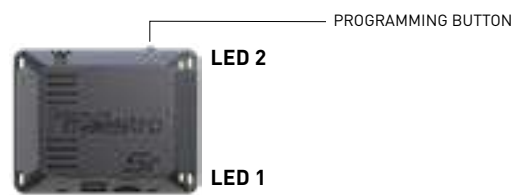
ACC-HU-ALP1 Wire Description	Polarity	Wire Color on Adapter	Alpine Radio
VSS (vehicle speed sensor)	(DATA)	Green/White	Green/White

ACC-HU-KEN1 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
CAM	(+)	Green/Red	Refer to camera/radio manual
CAM	(-)	Green/White	Refer to camera/radio manual
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

ACC-HU-KEN2 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
E-Brake	(-)	LtGreen	LtGreen
Reverse Light*	(+)	Purple/White	Purple/White
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

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

MODULE DIAGNOSTICS



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

TROUBLESHOOTING TABLE

PROBLEM	SOLUTION
When making a phone call you cannot hear the callers but they can hear you.	Switch the 4-pin green and white connectors in the t-harness.
The radio doesn't turn on. LED on the Maestro is not flashing.	Ensure the white and red 2-pin connectors are connected as shown in the diagram. Test for power at the large 3 pin connector of the harness. With it plugged in and vehicle turned on, we should have power on the red and yellow wires.
The light on the Maestro is blinking RED TWICE and the radio IS turning on.	<p>Ensure the 4-pin data cable is connected between the radio and the SR, and that it is plugged into the black port on the Maestro SR. The red and blue ports on the SR should be empty.</p> <p>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.</p>
The light on the Maestro is blinking RED TWICE but the radio is NOT turning on.	<p>If installing a modular radio and it is not turning on, ensure the screen is secured and any trim pieces on the radio have been installed fully. Not installing these fully will prevent radio from powering up and show a 2x red error as well.</p> <p>Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.</p>
No sound.	Ensure blue/white wire from harness is connected to radio's amp turn on output. This is usually blue/white but varies by radio manufacturer. Verify speaker wire connections and 4 pin connectors (green and white).

MAESTRO SR RESET PROCEDURE:

Turn the key to the OFF position, then disconnect all connectors from the module.

Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).

Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds to show the reset was successful.

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

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

RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER AND MORE!



+



**HEAD UNIT
ADAPTER READY**

PRODUCTS REQUIRED

iDataLink Maestro SR Radio Replacement Interface
iDataLink Maestro SR-CH1 Installation Harness

PROGRAMMED FIRMWARE: CH1-SR-DS


WELCOME

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

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

NEED HELP?

 1 866 427-2999

 maestro.support@idatalink.com

ADDITIONAL INFORMATION AND ACCESSORIES

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

AVCH1
(A/V adapter for backup camera retention)

Installation, product information, vehicle specific videos.

[VIDEO HELP](#)



Last flash information, steering control configuration, vehicle information.

[VERIFY FLASH](#)



Software to program module.

[WEBLINK](#)



INSTALLATION INSTRUCTIONS P1/1

BEFORE INSTALLING

- Remove the factory radio.
- Access the main 22 pin factory radio connector **(2.1)** and determine if you have a factory amplifier.

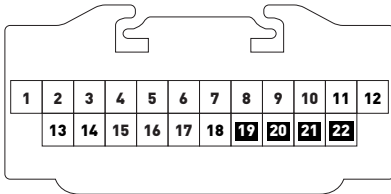


Fig. 2.1

If you don't have wires in PIN 19, 20, 21 and 22, you have a factory amplifier.

If you have wires in PIN 19, 20, 21 and 22, you don't have a factory amplifier

STEP 1

If using head unit adapter (sold separately), connect SR-CH1 harness to adapter and skip to step 2.

- Unbox the aftermarket radio and locate its main harness.
- Cut and remove the black 20 pin connector from the SR-CH1 T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the SR-CH1 T-harness and match the wire functions.

Note: Purple/white is a low current positive output used to trigger the radio only. Do NOT connect to anything other than the radio's reverse input. Refer to radio wire chart for radio's reverse light wire color.

If no camera is installed/desired, do not connect the radio's reverse wire. If installing an aftermarket camera, do NOT connect power for the camera to the Maestro's purple/white wire or module damage will occur.

STEP 2

- Plug the harnesses into the aftermarket radio.
- Plug the Data cable to the iDataLink port of the aftermarket radio.

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

STEP 3

Without factory AMP:

(HRN-SR-CH1 v1.10) : Plug 4-pin connectors of sCH1 harness, WHITE to WHITE and GREEN to GREEN. Do not use crossover câbles.

(HRN-SR-CH1 v1.0 only):

- Modify WHITE crossover cable as shown in the diagram (cut and flip White and White/Black wires).
- Plug male side of each 4-pin SR-CH1 connector to crossover cable, matching color (see wiring diagram).
- Plug the female 4-pin GREEN sCH1 connector to the male GREEN connector of crossover cable.
- Plug the female 4-pin WHITE sCH1 connector to the male WHITE connector of crossover cable.

With factory AMP:

(HRN-SR-CH1 v1.10) : Plug 4-pin connectors of sCH1 harness, GREEN to WHITE and WHITE to GREEN. Do not use crossover câbles.

(HRN-SR-CH1 v1.0 only):

- Modify WHITE crossover cable as shown in the diagram (cut and flip White and White/Black wires).
- Plug male side of each 4-pin SR-CH1 connector to crossover cable, matching color (see wiring diagram).
- Plug the female 4-pin GREEN sCH1 connector to the male WHITE connector of crossover cable.
- Plug the female 4-pin WHITE sCH1 connector to the male GREEN connector of crossover cable.

STEP 4

- Connect the factory radio harness to the SR-CH1 T-harness.

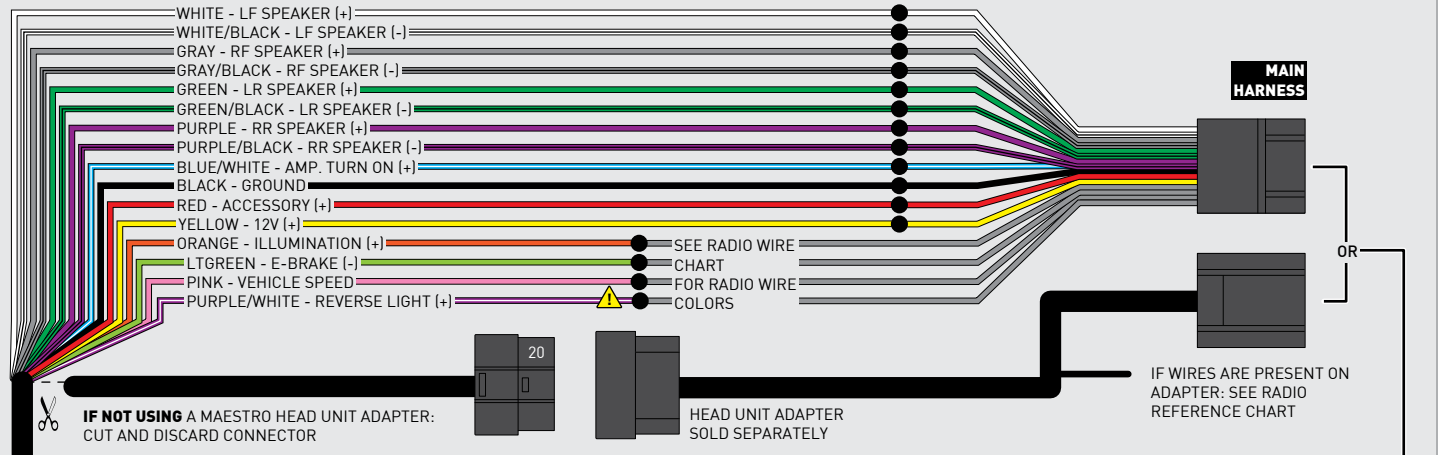
STEP 5

- Connect the SR-CH1 harness to the Maestro SR module.
- Connect the Data cable.

Test your installation.

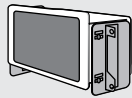
WIRING DIAGRAM

STEP 1



STEP 2

PIONEER RADIO: ENSURE THAT NOTHING IS PLUGGED IN W/R PORT.



AFTERMARKET RADIO

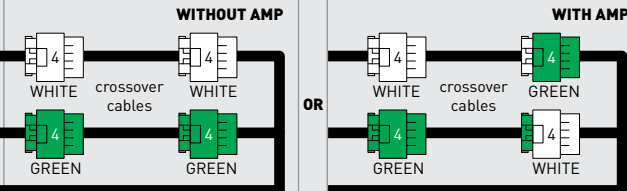
ONLY CONNECT PURPLE/WHITE WIRE TO RADIO REVERSE INPUT, NOT TO A CAMERA OR OTHER ACCESSORY, OR MODULE DAMAGE WILL OCCUR.

STEP 3

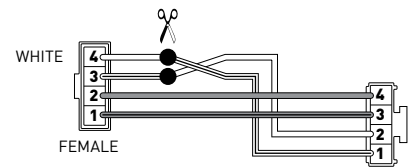
sCH1 HARNESS v1.10 + : PLUG WITHOUT USING CROSSOVER CABLES.

sCH1 HARNESS v1.00 ONLY

- 1- MODIFY WHITE CROSSOVER CABLE AS INDICATED TO THE RIGHT.
- 2- CONNECT CROSSOVER CABLES AS SHOWN BELOW.



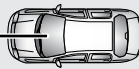
sCH1 v1.00 ONLY : WHITE CROSSOVER CABLE MODIFICATION CUT + FLIP WHITE AND WHITE/BLACK WIRES.



STEP 4

FACTORY RADIO HARNESS

GRAY



AMP TURNON

NC

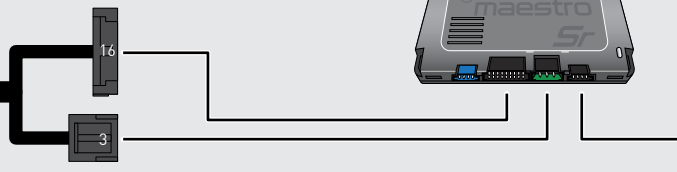
POC1 -

POC2 -

User configurable output - set up during module programming if desired.
Low current negative (~350mA) polarity output used to trigger a relay.

STEP 5

MAESTRO SR MODULE



NOT REQUIRED



RADIO WIRE REFERENCE CHART

CH1 T-harness Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/ JVC cable	Wire Color on Pioneer cable	Wire Color on Sony cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light*	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A

Head unit adapter wiring (optional accessory, sold separately)

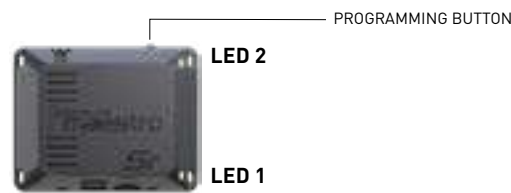
ACC-HU-ALP1 Wire Description	Polarity	Wire Color on Adapter	Alpine Radio
VSS (vehicle speed sensor)	(DATA)	Green/White	Green/White

ACC-HU-KEN1 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
CAM	(+)	Green/Red	Refer to camera/radio manual
CAM	(-)	Green/White	Refer to camera/radio manual
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

ACC-HU-KEN2 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
E-Brake	(-)	LtGreen	LtGreen
Reverse Light*	(+)	Purple/White	Purple/White
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

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

MODULE DIAGNOSTICS



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

TROUBLESHOOTING TABLE

PROBLEM	SOLUTION
When making a phone call you cannot hear the callers but they can hear you.	Switch the 4-pin green and white connectors in the t-harness.
The radio doesn't turn on. LED on the Maestro is not flashing.	Ensure the white and red 2-pin connectors are connected as shown in the diagram. Test for power at the large 3 pin connector of the harness. With it plugged in and vehicle turned on, we should have power on the red and yellow wires.
The light on the Maestro is blinking RED TWICE and the radio IS turning on.	<p>Ensure the 4-pin data cable is connected between the radio and the SR, and that it is plugged into the black port on the Maestro SR. The red and blue ports on the SR should be empty.</p> <p>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.</p>
The light on the Maestro is blinking RED TWICE but the radio is NOT turning on.	<p>If installing a modular radio and it is not turning on, ensure the screen is secured and any trim pieces on the radio have been installed fully. Not installing these fully will prevent radio from powering up and show a 2x red error as well.</p> <p>Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.</p>
No sound.	Ensure blue/white wire from harness is connected to radio's amp turn on output. This is usually blue/white but varies by radio manufacturer. Verify speaker wire connections and 4 pin connectors (green and white).

MAESTRO SR 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

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RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER AND MORE!



+



**HEAD UNIT
ADAPTER READY**

PRODUCTS REQUIRED

iDataLink Maestro SR Radio Replacement Interface
iDataLink Maestro SR-CH1 Installation Harness

PROGRAMMED FIRMWARE: CH1-SR-DS

WELCOME

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

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NEED HELP?

☎ 1 866 427-2999

✉ maestro.support@idatalink.com

ADDITIONAL INFORMATION AND ACCESSORIES

HEAD UNIT ADAPTER:
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AVCH1
(A/V adapter for backup camera retention)

Installation, product information, vehicle specific videos.

[VIDEO HELP](#)



Last flash information, steering control configuration, vehicle information.

[VERIFY FLASH](#)



Software to program module.

[WEBLINK](#)



INSTALLATION INSTRUCTIONS P1/1

BEFORE INSTALLING

- Remove the factory radio.
- Access the main 22 pin factory radio connector **(2.1)** and determine if you have a factory amplifier.

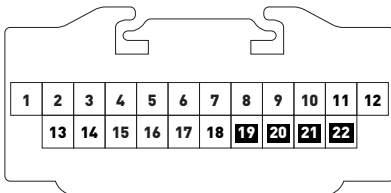


Fig. 2.1

If you don't have wires in PIN 19, 20, 21 and 22, you have a factory amplifier.

If you have wires in PIN 19, 20, 21 and 22, you don't have a factory amplifier

STEP 1

If using head unit adapter (sold separately), connect SR-CH1 harness to adapter and skip to step 2.

- Unbox the aftermarket radio and locate its main harness.
- Cut and remove the black 20 pin connector from the SR-CH1 T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the SR-CH1 T-harness and match the wire functions.

Note: Purple/white is a low current positive output used to trigger the radio only. Do NOT connect to anything other than the radio's reverse input. Refer to radio wire chart for radio's reverse light wire color.

If no camera is installed/desired, do not connect the radio's reverse wire. If installing an aftermarket camera, do NOT connect power for the camera to the Maestro's purple/white wire or module damage will occur.

STEP 2

- Plug the harnesses into the aftermarket radio.
- Plug the Data cable to the iDataLink port of the aftermarket radio.

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

STEP 3

Without factory AMP:

(HRN-SR-CH1 v1.10) : Plug 4-pin connectors of sCH1 harness, WHITE to WHITE and GREEN to GREEN. Do not use crossover câbles.

(HRN-SR-CH1 v1.0 only):

- Modify WHITE crossover cable as shown in the diagram (cut and flip White and White/Black wires).
- Plug male side of each 4-pin SR-CH1 connector to crossover cable, matching color (see wiring diagram).
- Plug the female 4-pin GREEN sCH1 connector to the male GREEN connector of crossover cable.
- Plug the female 4-pin WHITE sCH1 connector to the male WHITE connector of crossover cable.

With factory AMP:

(HRN-SR-CH1 v1.10) : Plug 4-pin connectors of sCH1 harness, GREEN to WHITE and WHITE to GREEN. Do not use crossover câbles.

(HRN-SR-CH1 v1.0 only):

- Modify WHITE crossover cable as shown in the diagram (cut and flip White and White/Black wires).
- Plug male side of each 4-pin SR-CH1 connector to crossover cable, matching color (see wiring diagram).
- Plug the female 4-pin GREEN sCH1 connector to the male WHITE connector of crossover cable.
- Plug the female 4-pin WHITE sCH1 connector to the male GREEN connector of crossover cable.

STEP 4

- Connect the factory radio harness to the SR-CH1 T-harness.

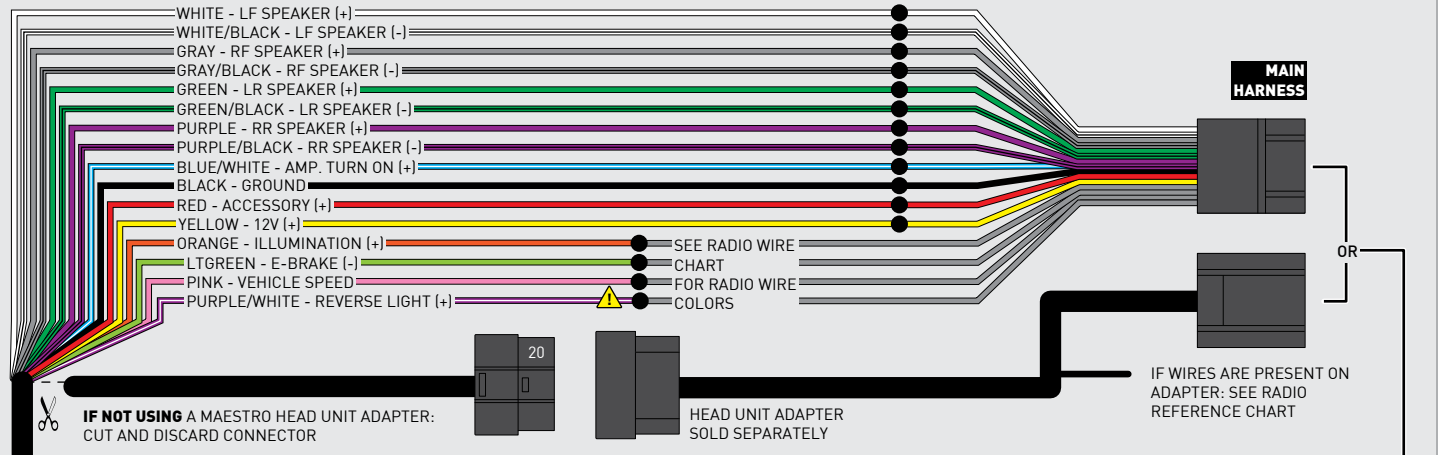
STEP 5

- Connect the SR-CH1 harness to the Maestro SR module.
- Connect the Data cable.

Test your installation.

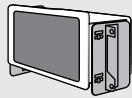
WIRING DIAGRAM

STEP 1



STEP 2

PIONEER RADIO: ENSURE THAT NOTHING IS PLUGGED IN W/R PORT.



AFTERMARKET RADIO

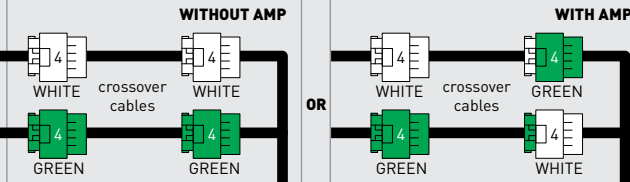
ONLY CONNECT PURPLE/WHITE WIRE TO RADIO REVERSE INPUT, NOT TO A CAMERA OR OTHER ACCESSORY, OR MODULE DAMAGE WILL OCCUR.

STEP 3

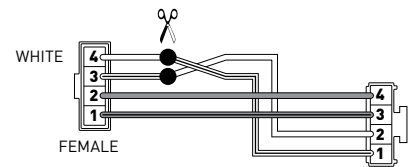
sCH1 HARNESS v1.10 + : PLUG WITHOUT USING CROSSOVER CABLES.

sCH1 HARNESS v1.00 ONLY

- 1- MODIFY WHITE CROSSOVER CABLE AS INDICATED TO THE RIGHT.
- 2- CONNECT CROSSOVER CABLES AS SHOWN BELOW.



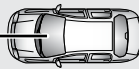
sCH1 v1.00 ONLY : WHITE CROSSOVER CABLE MODIFICATION CUT + FLIP WHITE AND WHITE/BLACK WIRES.



STEP 4

FACTORY RADIO HARNESS

GRAY



AMP TURNON

NC

POC1 -

POC2 -

User configurable output - set up during module programming if desired.
Low current negative (~350mA) polarity output used to trigger a relay.

STEP 5

MAESTRO SR MODULE



NOT REQUIRED



RADIO WIRE REFERENCE CHART

CH1 T-harness Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/ JVC cable	Wire Color on Pioneer cable	Wire Color on Sony cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light*	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A

Head unit adapter wiring (optional accessory, sold separately)

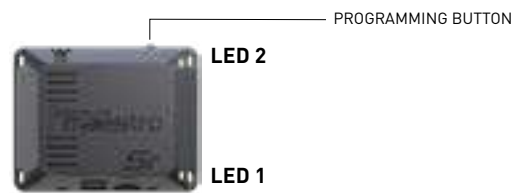
ACC-HU-ALP1 Wire Description	Polarity	Wire Color on Adapter	Alpine Radio
VSS (vehicle speed sensor)	(DATA)	Green/White	Green/White

ACC-HU-KEN1 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
CAM	(+)	Green/Red	Refer to camera/radio manual
CAM	(-)	Green/White	Refer to camera/radio manual
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

ACC-HU-KEN2 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
E-Brake	(-)	LtGreen	LtGreen
Reverse Light*	(+)	Purple/White	Purple/White
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

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

MODULE DIAGNOSTICS



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

TROUBLESHOOTING TABLE

PROBLEM	SOLUTION
When making a phone call you cannot hear the callers but they can hear you.	Switch the 4-pin green and white connectors in the t-harness.
The radio doesn't turn on. LED on the Maestro is not flashing.	Ensure the white and red 2-pin connectors are connected as shown in the diagram. Test for power at the large 3 pin connector of the harness. With it plugged in and vehicle turned on, we should have power on the red and yellow wires.
The light on the Maestro is blinking RED TWICE and the radio IS turning on.	<p>Ensure the 4-pin data cable is connected between the radio and the SR, and that it is plugged into the black port on the Maestro SR. The red and blue ports on the SR should be empty.</p> <p>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.</p>
The light on the Maestro is blinking RED TWICE but the radio is NOT turning on.	<p>If installing a modular radio and it is not turning on, ensure the screen is secured and any trim pieces on the radio have been installed fully. Not installing these fully will prevent radio from powering up and show a 2x red error as well.</p> <p>Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.</p>
No sound.	Ensure blue/white wire from harness is connected to radio's amp turn on output. This is usually blue/white but varies by radio manufacturer. Verify speaker wire connections and 4 pin connectors (green and white).

MAESTRO SR RESET PROCEDURE:

Turn the key to the OFF position, then disconnect all connectors from the module.

Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).

Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds to show the reset was successful.

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

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

RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER AND MORE!



+



**HEAD UNIT
ADAPTER READY**

PRODUCTS REQUIRED

iDataLink Maestro SR Radio Replacement Interface
iDataLink Maestro SR-CH1 Installation Harness

PROGRAMMED FIRMWARE: CH1-SR-DS


WELCOME

Congratulations on the purchase of your iDatalink Maestro SR 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 SR will only retain functionalities that were originally available in the vehicle.

NEED HELP?

 1 866 427-2999

 maestro.support@idatalink.com

ADDITIONAL INFORMATION AND ACCESSORIES

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

AVCH1
(A/V adapter for backup camera retention)

Installation, product information, vehicle specific videos. [VIDEO HELP](#)



Last flash information, steering control configuration, vehicle information. [VERIFY FLASH](#)



Software to program module. [WEBLINK](#)



INSTALLATION INSTRUCTIONS P1/1

BEFORE INSTALLING

- Remove the factory radio.
- Access the main 22 pin factory radio connector **(2.1)** and determine if you have a factory amplifier.

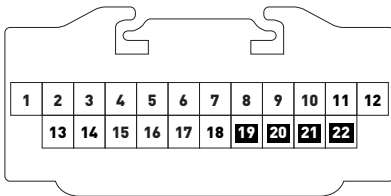


Fig. 2.1

If you don't have wires in PIN 19, 20, 21 and 22, you have a factory amplifier.

If you have wires in PIN 19, 20, 21 and 22, you don't have a factory amplifier

STEP 1

If using head unit adapter (sold separately), connect SR-CH1 harness to adapter and skip to step 2.

- Unbox the aftermarket radio and locate its main harness.
- Cut and remove the black 20 pin connector from the SR-CH1 T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the SR-CH1 T-harness and match the wire functions.

Note: Purple/white is a low current positive output used to trigger the radio only. Do NOT connect to anything other than the radio's reverse input. Refer to radio wire chart for radio's reverse light wire color.

If no camera is installed/desired, do not connect the radio's reverse wire. If installing an aftermarket camera, do NOT connect power for the camera to the Maestro's purple/white wire or module damage will occur.

STEP 2

- Plug the harnesses into the aftermarket radio.
- Plug the Data cable to the iDataLink port of the aftermarket radio.

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

STEP 3

Without factory AMP:

(HRN-SR-CH1 v1.10) : Plug 4-pin connectors of sCH1 harness, WHITE to WHITE and GREEN to GREEN. Do not use crossover câbles.

(HRN-SR-CH1 v1.0 only):

- Modify WHITE crossover cable as shown in the diagram (cut and flip White and White/Black wires).
- Plug male side of each 4-pin SR-CH1 connector to crossover cable, matching color (see wiring diagram).
- Plug the female 4-pin GREEN sCH1 connector to the male GREEN connector of crossover cable.
- Plug the female 4-pin WHITE sCH1 connector to the male WHITE connector of crossover cable.

With factory AMP:

(HRN-SR-CH1 v1.10) : Plug 4-pin connectors of sCH1 harness, GREEN to WHITE and WHITE to GREEN. Do not use crossover câbles.

(HRN-SR-CH1 v1.0 only):

- Modify WHITE crossover cable as shown in the diagram (cut and flip White and White/Black wires).
- Plug male side of each 4-pin SR-CH1 connector to crossover cable, matching color (see wiring diagram).
- Plug the female 4-pin GREEN sCH1 connector to the male WHITE connector of crossover cable.
- Plug the female 4-pin WHITE sCH1 connector to the male GREEN connector of crossover cable.

STEP 4

- Connect the factory radio harness to the SR-CH1 T-harness.

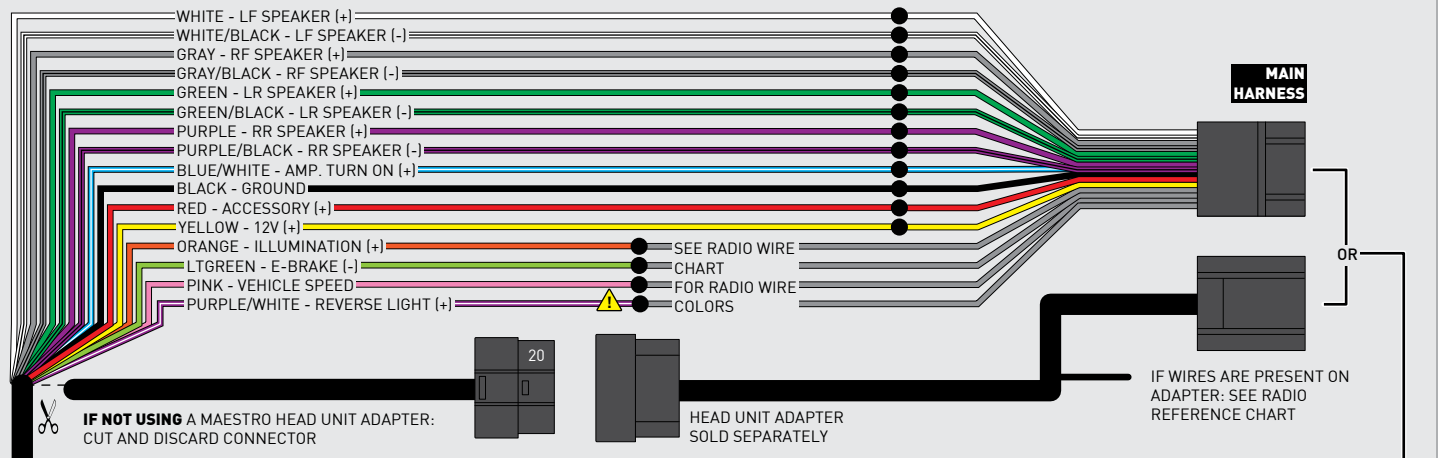
STEP 5

- Connect the SR-CH1 harness to the Maestro SR module.
- Connect the Data cable.

Test your installation.

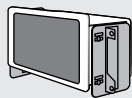
WIRING DIAGRAM

STEP 1



STEP 2

PIONEER RADIO: ENSURE THAT NOTHING IS PLUGGED IN W/R PORT.



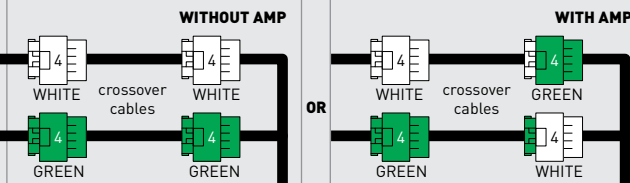
AFTERMARKET RADIO

ONLY CONNECT PURPLE/WHITE WIRE TO RADIO REVERSE INPUT, NOT TO A CAMERA OR OTHER ACCESSORY, OR MODULE DAMAGE WILL OCCUR.

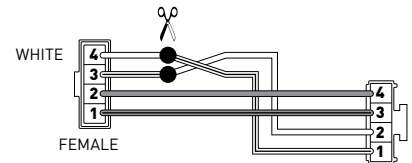
STEP 3

sCH1 HARNESS v1.10 + : PLUG WITHOUT USING CROSSOVER CABLES.

sCH1 HARNESS v1.00 ONLY
 1- MODIFY WHITE CROSSOVER CABLE AS INDICATED TO THE RIGHT.
 2- CONNECT CROSSOVER CABLES AS SHOWN BELOW.



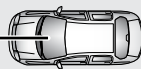
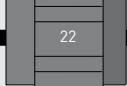
sCH1 v1.00 ONLY : WHITE CROSSOVER CABLE MODIFICATION CUT + FLIP WHITE AND WHITE/BLACK WIRES.



STEP 4

FACTORY RADIO HARNESS

GRAY



AMP TURNON

NC

POC1 -

POC2 -

User configurable output - set up during module programming if desired.
 Low current negative (~350mA) polarity output used to trigger a relay.

STEP 5

MAESTRO SR MODULE



NOT REQUIRED



RADIO WIRE REFERENCE CHART

CH1 T-harness Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/ JVC cable	Wire Color on Pioneer cable	Wire Color on Sony cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light*	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A

Head unit adapter wiring (optional accessory, sold separately)

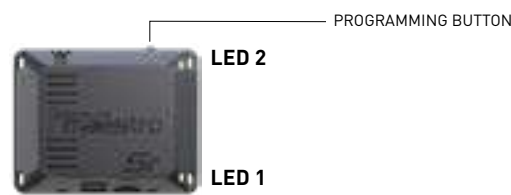
ACC-HU-ALP1 Wire Description	Polarity	Wire Color on Adapter	Alpine Radio
VSS (vehicle speed sensor)	(DATA)	Green/White	Green/White

ACC-HU-KEN1 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
CAM	(+)	Green/Red	Refer to camera/radio manual
CAM	(-)	Green/White	Refer to camera/radio manual
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

ACC-HU-KEN2 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
E-Brake	(-)	LtGreen	LtGreen
Reverse Light*	(+)	Purple/White	Purple/White
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

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

MODULE DIAGNOSTICS



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

TROUBLESHOOTING TABLE

PROBLEM	SOLUTION
When making a phone call you cannot hear the callers but they can hear you.	Switch the 4-pin green and white connectors in the t-harness.
The radio doesn't turn on. LED on the Maestro is not flashing.	Ensure the white and red 2-pin connectors are connected as shown in the diagram. Test for power at the large 3 pin connector of the harness. With it plugged in and vehicle turned on, we should have power on the red and yellow wires.
The light on the Maestro is blinking RED TWICE and the radio IS turning on.	<p>Ensure the 4-pin data cable is connected between the radio and the SR, and that it is plugged into the black port on the Maestro SR. The red and blue ports on the SR should be empty.</p> <p>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.</p>
The light on the Maestro is blinking RED TWICE but the radio is NOT turning on.	<p>If installing a modular radio and it is not turning on, ensure the screen is secured and any trim pieces on the radio have been installed fully. Not installing these fully will prevent radio from powering up and show a 2x red error as well.</p> <p>Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.</p>
No sound.	Ensure blue/white wire from harness is connected to radio's amp turn on output. This is usually blue/white but varies by radio manufacturer. Verify speaker wire connections and 4 pin connectors (green and white).

MAESTRO SR RESET PROCEDURE:

Turn the key to the OFF position, then disconnect all connectors from the module.

Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).

Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds to show the reset was successful.

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

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

RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER AND MORE!



+



**HEAD UNIT
ADAPTER READY**

PRODUCTS REQUIRED

iDataLink Maestro SR Radio Replacement Interface
iDataLink Maestro SR-CH1 Installation Harness

PROGRAMMED FIRMWARE: CH1-SR-DS

WELCOME

Congratulations on the purchase of your iDatalink Maestro SR 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 SR will only retain functionalities that were originally available in the vehicle.

NEED HELP?

☎ 1 866 427-2999

✉ maestro.support@idatalink.com

ADDITIONAL INFORMATION AND ACCESSORIES

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

AVCH1
(A/V adapter for backup camera retention)

Installation, product information, vehicle specific videos. [VIDEO HELP](#)



Last flash information, steering control configuration, vehicle information. [VERIFY FLASH](#)



Software to program module. [WEBLINK](#)



INSTALLATION INSTRUCTIONS P1/1

BEFORE INSTALLING

- Remove the factory radio.
- Access the main 22 pin factory radio connector **(2.1)** and determine if you have a factory amplifier.

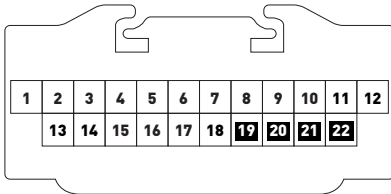


Fig. 2.1

If you don't have wires in PIN 19, 20, 21 and 22, you have a factory amplifier.

If you have wires in PIN 19, 20, 21 and 22, you don't have a factory amplifier

STEP 1

If using head unit adapter (sold separately), connect SR-CH1 harness to adapter and skip to step 2.

- Unbox the aftermarket radio and locate its main harness.
- Cut and remove the black 20 pin connector from the SR-CH1 T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the SR-CH1 T-harness and match the wire functions.

Note: Purple/white is a low current positive output used to trigger the radio only. Do NOT connect to anything other than the radio's reverse input. Refer to radio wire chart for radio's reverse light wire color.

If no camera is installed/desired, do not connect the radio's reverse wire. If installing an aftermarket camera, do NOT connect power for the camera to the Maestro's purple/white wire or module damage will occur.

STEP 2

- Plug the harnesses into the aftermarket radio.
- Plug the Data cable to the iDataLink port of the aftermarket radio.

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

STEP 3

Without factory AMP:

(HRN-SR-CH1 v1.10) : Plug 4-pin connectors of sCH1 harness, WHITE to WHITE and GREEN to GREEN. Do not use crossover câbles.

(HRN-SR-CH1 v1.0 only):

- Modify WHITE crossover cable as shown in the diagram (cut and flip White and White/Black wires).
- Plug male side of each 4-pin SR-CH1 connector to crossover cable, matching color (see wiring diagram).
- Plug the female 4-pin GREEN sCH1 connector to the male GREEN connector of crossover cable.
- Plug the female 4-pin WHITE sCH1 connector to the male WHITE connector of crossover cable.

With factory AMP:

(HRN-SR-CH1 v1.10) : Plug 4-pin connectors of sCH1 harness, GREEN to WHITE and WHITE to GREEN. Do not use crossover câbles.

(HRN-SR-CH1 v1.0 only):

- Modify WHITE crossover cable as shown in the diagram (cut and flip White and White/Black wires).
- Plug male side of each 4-pin SR-CH1 connector to crossover cable, matching color (see wiring diagram).
- Plug the female 4-pin GREEN sCH1 connector to the male WHITE connector of crossover cable.
- Plug the female 4-pin WHITE sCH1 connector to the male GREEN connector of crossover cable.

STEP 4

- Connect the factory radio harness to the SR-CH1 T-harness.

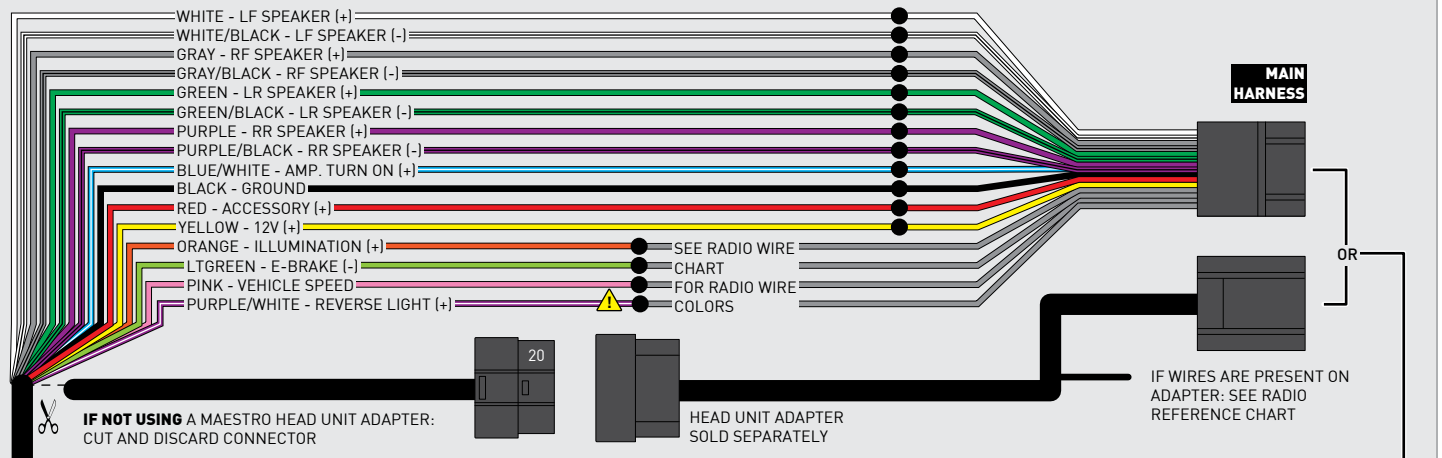
STEP 5

- Connect the SR-CH1 harness to the Maestro SR module.
- Connect the Data cable.

Test your installation.

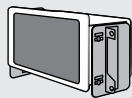
WIRING DIAGRAM

STEP 1



STEP 2

PIONEER RADIO: ENSURE THAT NOTHING IS PLUGGED IN W/R PORT.



AFTERMARKET RADIO

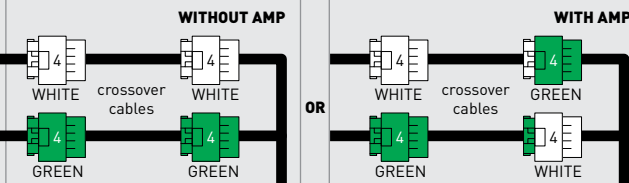
ONLY CONNECT PURPLE/WHITE WIRE TO RADIO REVERSE INPUT, NOT TO A CAMERA OR OTHER ACCESSORY, OR MODULE DAMAGE WILL OCCUR.

STEP 3

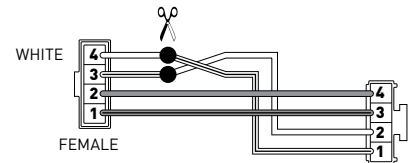
sCH1 HARNESS v1.10 + : PLUG WITHOUT USING CROSSOVER CABLES.

sCH1 HARNESS v1.00 ONLY

- 1- MODIFY WHITE CROSSOVER CABLE AS INDICATED TO THE RIGHT.
- 2- CONNECT CROSSOVER CABLES AS SHOWN BELOW.



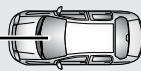
sCH1 v1.00 ONLY : WHITE CROSSOVER CABLE MODIFICATION CUT + FLIP WHITE AND WHITE/BLACK WIRES.



STEP 4

FACTORY RADIO HARNESS

GRAY



AMP TURNON

NC

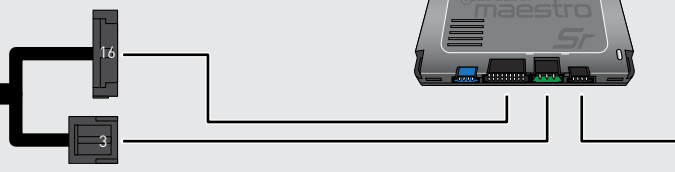
POC1 -

POC2 -

User configurable output - set up during module programming if desired.
Low current negative (~350mA) polarity output used to trigger a relay.

STEP 5

MAESTRO SR MODULE



NOT REQUIRED



RADIO WIRE REFERENCE CHART

CH1 T-harness Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/ JVC cable	Wire Color on Pioneer cable	Wire Color on Sony cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light*	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A

Head unit adapter wiring (optional accessory, sold separately)

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

ACC-HU-KEN1 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
CAM	(+)	Green/Red	Refer to camera/radio manual
CAM	(-)	Green/White	Refer to camera/radio manual
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

ACC-HU-KEN2 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
E-Brake	(-)	LtGreen	LtGreen
Reverse Light*	(+)	Purple/White	Purple/White
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

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

MODULE DIAGNOSTICS



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

TROUBLESHOOTING TABLE

PROBLEM	SOLUTION
When making a phone call you cannot hear the callers but they can hear you.	Switch the 4-pin green and white connectors in the t-harness.
The radio doesn't turn on. LED on the Maestro is not flashing.	Ensure the white and red 2-pin connectors are connected as shown in the diagram. Test for power at the large 3 pin connector of the harness. With it plugged in and vehicle turned on, we should have power on the red and yellow wires.
The light on the Maestro is blinking RED TWICE and the radio IS turning on.	<p>Ensure the 4-pin data cable is connected between the radio and the SR, and that it is plugged into the black port on the Maestro SR. The red and blue ports on the SR should be empty.</p> <p>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.</p>
The light on the Maestro is blinking RED TWICE but the radio is NOT turning on.	<p>If installing a modular radio and it is not turning on, ensure the screen is secured and any trim pieces on the radio have been installed fully. Not installing these fully will prevent radio from powering up and show a 2x red error as well.</p> <p>Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.</p>
No sound.	Ensure blue/white wire from harness is connected to radio's amp turn on output. This is usually blue/white but varies by radio manufacturer. Verify speaker wire connections and 4 pin connectors (green and white).

MAESTRO SR RESET PROCEDURE:

Turn the key to the OFF position, then disconnect all connectors from the module.

Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).

Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds to show the reset was successful.

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

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

RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER AND MORE!



+



**HEAD UNIT
ADAPTER READY**

PRODUCTS REQUIRED

iDataLink Maestro SR Radio Replacement Interface
iDataLink Maestro SR-CH1 Installation Harness

PROGRAMMED FIRMWARE: CH1-SR-DS

WELCOME

Congratulations on the purchase of your iDatalink Maestro SR 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 SR will only retain functionalities that were originally available in the vehicle.

NEED HELP?

☎ 1 866 427-2999

✉ maestro.support@idatalink.com

ADDITIONAL INFORMATION AND ACCESSORIES

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

AVCH1
(A/V adapter for backup camera retention)

Installation, product information, vehicle specific videos.

[VIDEO HELP](#)



Last flash information, steering control configuration, vehicle information.

[VERIFY FLASH](#)



Software to program module.

[WEBLINK](#)



INSTALLATION INSTRUCTIONS P1/1

BEFORE INSTALLING

- Remove the factory radio.
- Access the main 22 pin factory radio connector **(2.1)** and determine if you have a factory amplifier.

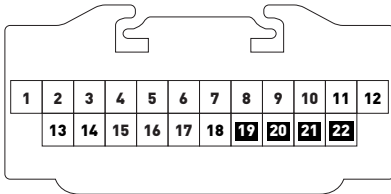


Fig. 2.1

If you don't have wires in PIN 19, 20, 21 and 22, you have a factory amplifier.

If you have wires in PIN 19, 20, 21 and 22, you don't have a factory amplifier

STEP 1

If using head unit adapter (sold separately), connect SR-CH1 harness to adapter and skip to step 2.

- Unbox the aftermarket radio and locate its main harness.
- Cut and remove the black 20 pin connector from the SR-CH1 T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the SR-CH1 T-harness and match the wire functions.

Note: Purple/white is a low current positive output used to trigger the radio only. Do NOT connect to anything other than the radio's reverse input. Refer to radio wire chart for radio's reverse light wire color.

If no camera is installed/desired, do not connect the radio's reverse wire. If installing an aftermarket camera, do NOT connect power for the camera to the Maestro's purple/white wire or module damage will occur.

STEP 2

- Plug the harnesses into the aftermarket radio.
- Plug the Data cable to the iDataLink port of the aftermarket radio.

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

STEP 3

Without factory AMP:

(HRN-SR-CH1 v1.10) : Plug 4-pin connectors of sCH1 harness, WHITE to WHITE and GREEN to GREEN. Do not use crossover câbles.

(HRN-SR-CH1 v1.0 only):

- Modify WHITE crossover cable as shown in the diagram (cut and flip White and White/Black wires).
- Plug male side of each 4-pin SR-CH1 connector to crossover cable, matching color (see wiring diagram).
- Plug the female 4-pin GREEN sCH1 connector to the male GREEN connector of crossover cable.
- Plug the female 4-pin WHITE sCH1 connector to the male WHITE connector of crossover cable.

With factory AMP:

(HRN-SR-CH1 v1.10) : Plug 4-pin connectors of sCH1 harness, GREEN to WHITE and WHITE to GREEN. Do not use crossover câbles.

(HRN-SR-CH1 v1.0 only):

- Modify WHITE crossover cable as shown in the diagram (cut and flip White and White/Black wires).
- Plug male side of each 4-pin SR-CH1 connector to crossover cable, matching color (see wiring diagram).
- Plug the female 4-pin GREEN sCH1 connector to the male WHITE connector of crossover cable.
- Plug the female 4-pin WHITE sCH1 connector to the male GREEN connector of crossover cable.

STEP 4

- Connect the factory radio harness to the SR-CH1 T-harness.

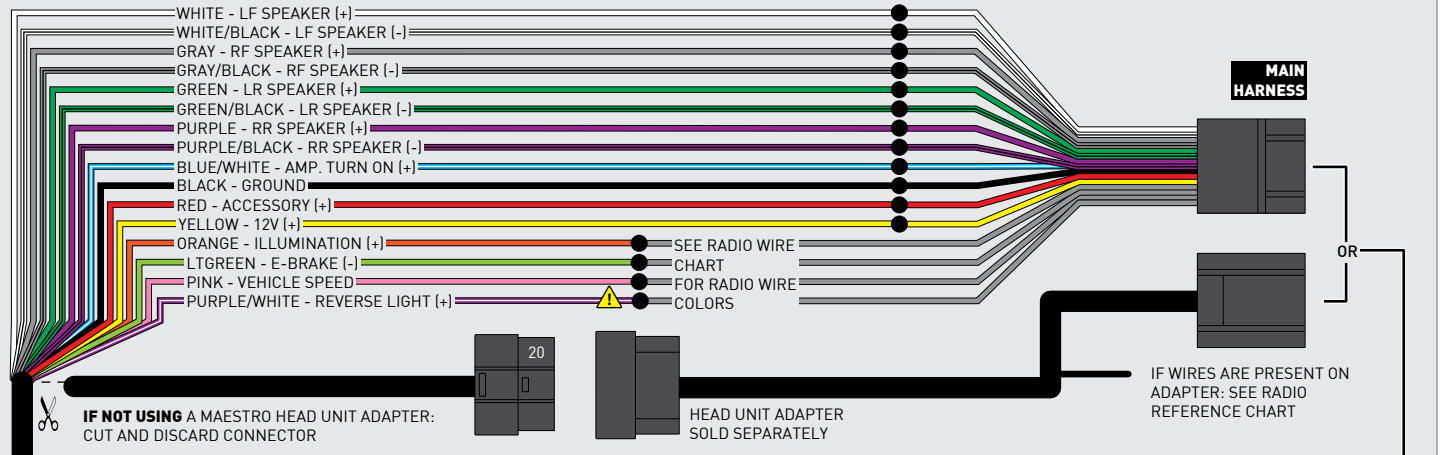
STEP 5

- Connect the SR-CH1 harness to the Maestro SR module.
- Connect the Data cable.

Test your installation.

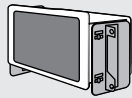
WIRING DIAGRAM

STEP 1



STEP 2

PIONEER RADIO: ENSURE THAT
NOTHING IS PLUGGED IN W/R PORT.



AFTERMARKET RADIO

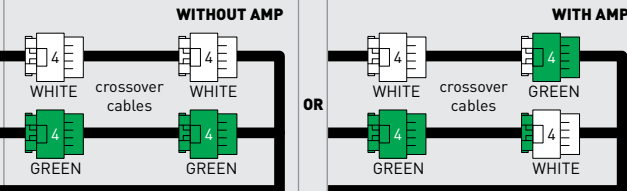
ONLY CONNECT PURPLE/WHITE WIRE TO RADIO REVERSE INPUT, NOT TO A
CAMERA OR OTHER ACCESSORY, OR MODULE DAMAGE WILL OCCUR.

STEP 3

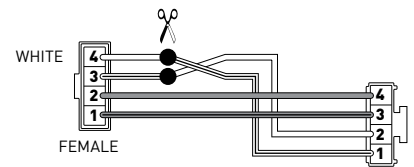
sCH1 HARNESS v1.10 + : PLUG WITHOUT USING CROSSOVER CABLES.

sCH1 HARNESS v1.00 ONLY

- 1- MODIFY WHITE CROSSOVER CABLE AS INDICATED TO THE RIGHT.
- 2- CONNECT CROSSOVER CABLES AS SHOWN BELOW.



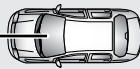
sCH1 v1.00 ONLY : WHITE CROSSOVER CABLE MODIFICATION
CUT + FLIP WHITE AND WHITE/BLACK WIRES.



STEP 4

FACTORY RADIO HARNESS

GRAY



AMP TURNON

NC

POC1 -

POC2 -

User configurable output - set up during module programming if desired.
Low current negative (~350mA) polarity output used to trigger a relay.

STEP 5

MAESTRO SR MODULE



NOT REQUIRED



RADIO WIRE REFERENCE CHART

CH1 T-harness Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/ JVC cable	Wire Color on Pioneer cable	Wire Color on Sony cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light*	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A

Head unit adapter wiring (optional accessory, sold separately)

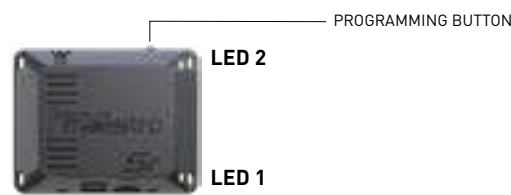
ACC-HU-ALP1 Wire Description	Polarity	Wire Color on Adapter	Alpine Radio
VSS (vehicle speed sensor)	(DATA)	Green/White	Green/White

ACC-HU-KEN1 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
CAM	(+)	Green/Red	Refer to camera/radio manual
CAM	(-)	Green/White	Refer to camera/radio manual
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

ACC-HU-KEN2 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
E-Brake	(-)	LtGreen	LtGreen
Reverse Light*	(+)	Purple/White	Purple/White
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

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

MODULE DIAGNOSTICS



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

TROUBLESHOOTING TABLE

PROBLEM	SOLUTION
When making a phone call you cannot hear the callers but they can hear you.	Switch the 4-pin green and white connectors in the t-harness.
The radio doesn't turn on. LED on the Maestro is not flashing.	Ensure the white and red 2-pin connectors are connected as shown in the diagram. Test for power at the large 3 pin connector of the harness. With it plugged in and vehicle turned on, we should have power on the red and yellow wires.
The light on the Maestro is blinking RED TWICE and the radio IS turning on.	<p>Ensure the 4-pin data cable is connected between the radio and the SR, and that it is plugged into the black port on the Maestro SR. The red and blue ports on the SR should be empty.</p> <p>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.</p>
The light on the Maestro is blinking RED TWICE but the radio is NOT turning on.	<p>If installing a modular radio and it is not turning on, ensure the screen is secured and any trim pieces on the radio have been installed fully. Not installing these fully will prevent radio from powering up and show a 2x red error as well.</p> <p>Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.</p>
No sound.	Ensure blue/white wire from harness is connected to radio's amp turn on output. This is usually blue/white but varies by radio manufacturer. Verify speaker wire connections and 4 pin connectors (green and white).

MAESTRO SR RESET PROCEDURE:

Turn the key to the OFF position, then disconnect all connectors from the module.

Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).

Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds to show the reset was successful.

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

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

RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER AND MORE!



+



**HEAD UNIT
ADAPTER READY**

PRODUCTS REQUIRED

iDataLink Maestro SR Radio Replacement Interface
iDataLink Maestro SR-CH1 Installation Harness

PROGRAMMED FIRMWARE: CH1-SR-DS

WELCOME

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

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

NEED HELP?

☎ 1 866 427-2999

✉ maestro.support@idatalink.com

ADDITIONAL INFORMATION AND ACCESSORIES

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

AVCH1
(A/V adapter for backup camera retention)

Installation, product information, vehicle specific videos. [VIDEO HELP](#)



Last flash information, steering control configuration, vehicle information. [VERIFY FLASH](#)



Software to program module. [WEBLINK](#)



INSTALLATION INSTRUCTIONS P1/1

BEFORE INSTALLING

- Remove the factory radio.
- Access the main 22 pin factory radio connector **(2.1)** and determine if you have a factory amplifier.

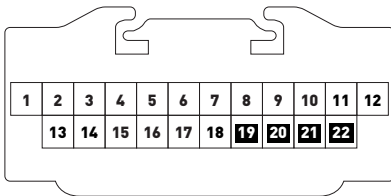


Fig. 2.1

If you don't have wires in PIN 19, 20, 21 and 22, you have a factory amplifier.

If you have wires in PIN 19, 20, 21 and 22, you don't have a factory amplifier

STEP 1

If using head unit adapter (sold separately), connect SR-CH1 harness to adapter and skip to step 2.

- Unbox the aftermarket radio and locate its main harness.
- Cut and remove the black 20 pin connector from the SR-CH1 T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the SR-CH1 T-harness and match the wire functions.

Note: Purple/white is a low current positive output used to trigger the radio only. Do NOT connect to anything other than the radio's reverse input. Refer to radio wire chart for radio's reverse light wire color.

If no camera is installed/desired, do not connect the radio's reverse wire. If installing an aftermarket camera, do NOT connect power for the camera to the Maestro's purple/white wire or module damage will occur.

STEP 2

- Plug the harnesses into the aftermarket radio.
- Plug the Data cable to the iDataLink port of the aftermarket radio.

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

STEP 3

Without factory AMP:

(HRN-SR-CH1 v1.10) : Plug 4-pin connectors of sCH1 harness, WHITE to WHITE and GREEN to GREEN. Do not use crossover câbles.

(HRN-SR-CH1 v1.0 only):

- Modify WHITE crossover cable as shown in the diagram (cut and flip White and White/Black wires).
- Plug male side of each 4-pin SR-CH1 connector to crossover cable, matching color (see wiring diagram).
- Plug the female 4-pin GREEN sCH1 connector to the male GREEN connector of crossover cable.
- Plug the female 4-pin WHITE sCH1 connector to the male WHITE connector of crossover cable.

With factory AMP:

(HRN-SR-CH1 v1.10) : Plug 4-pin connectors of sCH1 harness, GREEN to WHITE and WHITE to GREEN. Do not use crossover câbles.

(HRN-SR-CH1 v1.0 only):

- Modify WHITE crossover cable as shown in the diagram (cut and flip White and White/Black wires).
- Plug male side of each 4-pin SR-CH1 connector to crossover cable, matching color (see wiring diagram).
- Plug the female 4-pin GREEN sCH1 connector to the male WHITE connector of crossover cable.
- Plug the female 4-pin WHITE sCH1 connector to the male GREEN connector of crossover cable.

STEP 4

- Connect the factory radio harness to the SR-CH1 T-harness.

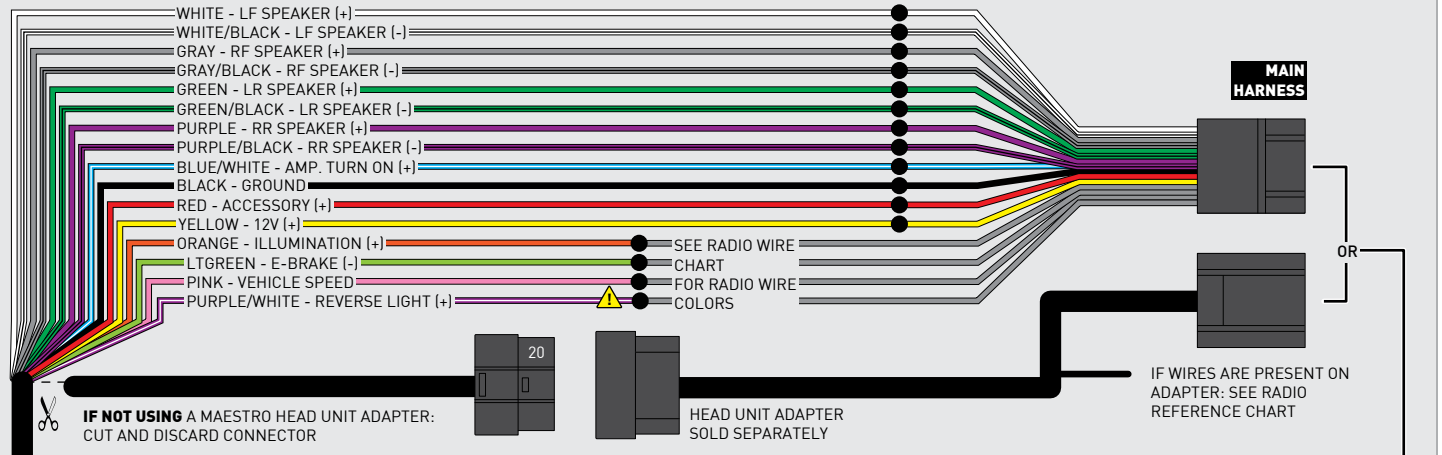
STEP 5

- Connect the SR-CH1 harness to the Maestro SR module.
- Connect the Data cable.

Test your installation.

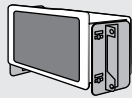
WIRING DIAGRAM

STEP 1



STEP 2

PIONEER RADIO: ENSURE THAT
NOTHING IS PLUGGED IN W/R PORT.



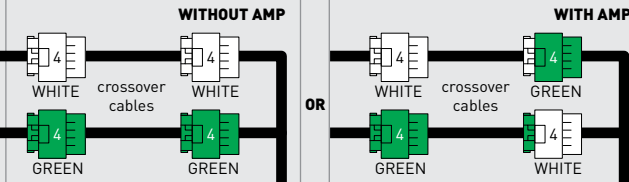
AFTERMARKET RADIO

STEP 3

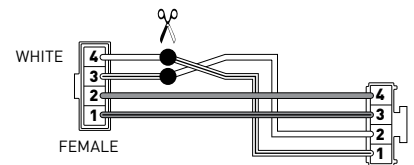
sCH1 HARNESS v1.10 + : PLUG WITHOUT USING CROSSOVER CABLES.

sCH1 HARNESS v1.00 ONLY

- 1- MODIFY WHITE CROSSOVER CABLE AS INDICATED TO THE RIGHT.
- 2- CONNECT CROSSOVER CABLES AS SHOWN BELOW.



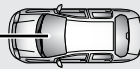
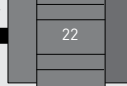
sCH1 v1.00 ONLY : WHITE CROSSOVER CABLE MODIFICATION
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STEP 4

FACTORY RADIO HARNESS

GRAY



AMP TURNON

NC

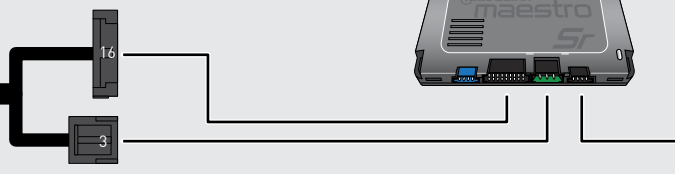
POC1 -

POC2 -

User configurable output - set up during module programming if desired.
Low current negative (~350mA) polarity output used to trigger a relay.

STEP 5

MAESTRO SR MODULE



NOT REQUIRED



RADIO WIRE REFERENCE CHART

CH1 T-harness Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/ JVC cable	Wire Color on Pioneer cable	Wire Color on Sony cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light*	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A

Head unit adapter wiring (optional accessory, sold separately)

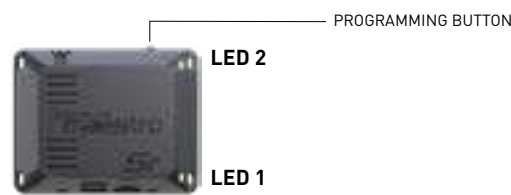
ACC-HU-ALP1 Wire Description	Polarity	Wire Color on Adapter	Alpine Radio
VSS (vehicle speed sensor)	(DATA)	Green/White	Green/White

ACC-HU-KEN1 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
CAM	(+)	Green/Red	Refer to camera/radio manual
CAM	(-)	Green/White	Refer to camera/radio manual
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

ACC-HU-KEN2 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
E-Brake	(-)	LtGreen	LtGreen
Reverse Light*	(+)	Purple/White	Purple/White
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

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

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 Bluetooth activity	LED STATUS	DIAGNOSTIC
<div><div></div> or <div></div></div>		RED or GREEN flashing	LED flashes 1 or more times, either red or green, when a steering wheel button is pressed : normal operation.
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TROUBLESHOOTING TABLE

PROBLEM	SOLUTION
When making a phone call you cannot hear the callers but they can hear you.	Switch the 4-pin green and white connectors in the t-harness.
The radio doesn't turn on. LED on the Maestro is not flashing.	Ensure the white and red 2-pin connectors are connected as shown in the diagram. Test for power at the large 3 pin connector of the harness. With it plugged in and vehicle turned on, we should have power on the red and yellow wires.
The light on the Maestro is blinking RED TWICE and the radio IS turning on.	<p>Ensure the 4-pin data cable is connected between the radio and the SR, and that it is plugged into the black port on the Maestro SR. The red and blue ports on the SR should be empty.</p> <p>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.</p>
The light on the Maestro is blinking RED TWICE but the radio is NOT turning on.	<p>If installing a modular radio and it is not turning on, ensure the screen is secured and any trim pieces on the radio have been installed fully. Not installing these fully will prevent radio from powering up and show a 2x red error as well.</p> <p>Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.</p>
No sound.	Ensure blue/white wire from harness is connected to radio's amp turn on output. This is usually blue/white but varies by radio manufacturer. Verify speaker wire connections and 4 pin connectors (green and white).

MAESTRO SR 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

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Email: maestro.support@idatalink.com

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RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER AND MORE!



+



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iDataLink Maestro SR-CH1 Installation Harness

PROGRAMMED FIRMWARE: CH1-SR-DS


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NEED HELP?

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ADDITIONAL INFORMATION AND ACCESSORIES

HEAD UNIT ADAPTER:
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AVCH1
(A/V adapter for backup camera retention)

Installation, product information, vehicle specific videos.

[VIDEO HELP](#)



Last flash information, steering control configuration, vehicle information.

[VERIFY FLASH](#)



Software to program module.

[WEBLINK](#)



INSTALLATION INSTRUCTIONS P1/1

BEFORE INSTALLING

- Remove the factory radio.
- Access the main 22 pin factory radio connector **(2.1)** and determine if you have a factory amplifier.

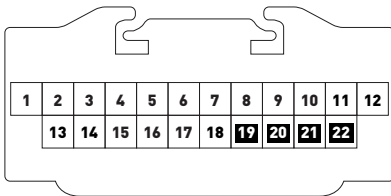


Fig. 2.1

If you don't have wires in PIN 19, 20, 21 and 22, you have a factory amplifier.

If you have wires in PIN 19, 20, 21 and 22, you don't have a factory amplifier

STEP 1

If using head unit adapter (sold separately), connect SR-CH1 harness to adapter and skip to step 2.

- Unbox the aftermarket radio and locate its main harness.
- Cut and remove the black 20 pin connector from the SR-CH1 T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the SR-CH1 T-harness and match the wire functions.

Note: Purple/white is a low current positive output used to trigger the radio only. Do NOT connect to anything other than the radio's reverse input. Refer to radio wire chart for radio's reverse light wire color.

If no camera is installed/desired, do not connect the radio's reverse wire. If installing an aftermarket camera, do NOT connect power for the camera to the Maestro's purple/white wire or module damage will occur.

STEP 2

- Plug the harnesses into the aftermarket radio.
- Plug the Data cable to the iDataLink port of the aftermarket radio.

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

STEP 3

Without factory AMP:

(HRN-SR-CH1 v1.10) : Plug 4-pin connectors of sCH1 harness, WHITE to WHITE and GREEN to GREEN. Do not use crossover câbles.

(HRN-SR-CH1 v1.0 only):

- Modify WHITE crossover cable as shown in the diagram (cut and flip White and White/Black wires).
- Plug male side of each 4-pin SR-CH1 connector to crossover cable, matching color (see wiring diagram).
- Plug the female 4-pin GREEN sCH1 connector to the male GREEN connector of crossover cable.
- Plug the female 4-pin WHITE sCH1 connector to the male WHITE connector of crossover cable.

With factory AMP:

(HRN-SR-CH1 v1.10) : Plug 4-pin connectors of sCH1 harness, GREEN to WHITE and WHITE to GREEN. Do not use crossover câbles.

(HRN-SR-CH1 v1.0 only):

- Modify WHITE crossover cable as shown in the diagram (cut and flip White and White/Black wires).
- Plug male side of each 4-pin SR-CH1 connector to crossover cable, matching color (see wiring diagram).
- Plug the female 4-pin GREEN sCH1 connector to the male WHITE connector of crossover cable.
- Plug the female 4-pin WHITE sCH1 connector to the male GREEN connector of crossover cable.

STEP 4

- Connect the factory radio harness to the SR-CH1 T-harness.

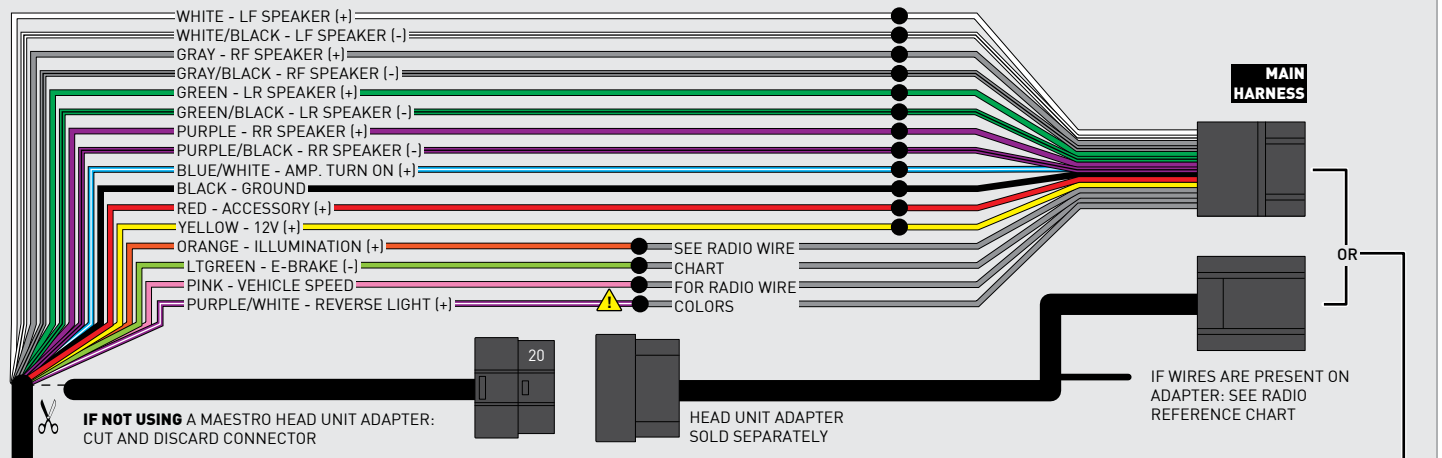
STEP 5

- Connect the SR-CH1 harness to the Maestro SR module.
- Connect the Data cable.

Test your installation.

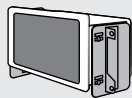
WIRING DIAGRAM

STEP 1



STEP 2

PIONEER RADIO: ENSURE THAT
NOTHING IS PLUGGED IN W/R PORT.



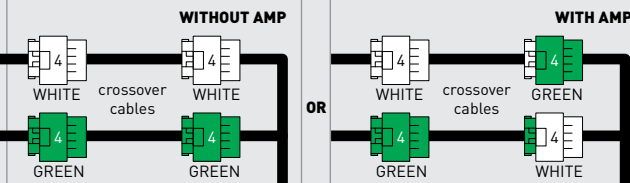
AFTERMARKET RADIO

ONLY CONNECT PURPLE/WHITE WIRE TO RADIO REVERSE INPUT, NOT TO A
CAMERA OR OTHER ACCESSORY, OR MODULE DAMAGE WILL OCCUR.

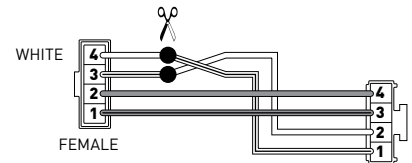
STEP 3

sCH1 HARNESS v1.10 + : PLUG WITHOUT USING CROSSOVER CABLES.

sCH1 HARNESS v1.00 ONLY
1- MODIFY WHITE CROSSOVER CABLE AS INDICATED TO THE RIGHT.
2- CONNECT CROSSOVER CABLES AS SHOWN BELOW.



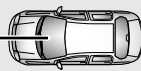
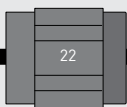
sCH1 v1.00 ONLY : WHITE CROSSOVER CABLE MODIFICATION
CUT + FLIP WHITE AND WHITE/BLACK WIRES.



STEP 4

FACTORY RADIO HARNESS

GRAY



AMP TURNON

NC

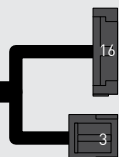
POC1 -

POC2 -

User configurable output - set up during module programming if desired.
Low current negative (~350mA) polarity output used to trigger a relay.

STEP 5

MAESTRO SR MODULE



NOT REQUIRED



RADIO WIRE REFERENCE CHART

CH1 T-harness Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/ JVC cable	Wire Color on Pioneer cable	Wire Color on Sony cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light*	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A

Head unit adapter wiring (optional accessory, sold separately)

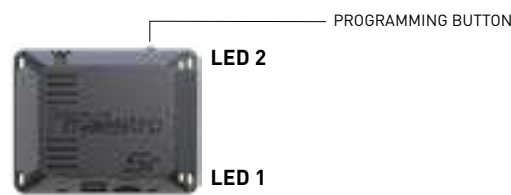
ACC-HU-ALP1 Wire Description	Polarity	Wire Color on Adapter	Alpine Radio
VSS (vehicle speed sensor)	(DATA)	Green/White	Green/White

ACC-HU-KEN1 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
CAM	(+)	Green/Red	Refer to camera/radio manual
CAM	(-)	Green/White	Refer to camera/radio manual
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

ACC-HU-KEN2 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
E-Brake	(-)	LtGreen	LtGreen
Reverse Light*	(+)	Purple/White	Purple/White
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

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

MODULE DIAGNOSTICS



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

TROUBLESHOOTING TABLE

PROBLEM	SOLUTION
When making a phone call you cannot hear the callers but they can hear you.	Switch the 4-pin green and white connectors in the t-harness.
The radio doesn't turn on. LED on the Maestro is not flashing.	Ensure the white and red 2-pin connectors are connected as shown in the diagram. Test for power at the large 3 pin connector of the harness. With it plugged in and vehicle turned on, we should have power on the red and yellow wires.
The light on the Maestro is blinking RED TWICE and the radio IS turning on.	<p>Ensure the 4-pin data cable is connected between the radio and the SR, and that it is plugged into the black port on the Maestro SR. The red and blue ports on the SR should be empty.</p> <p>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.</p>
The light on the Maestro is blinking RED TWICE but the radio is NOT turning on.	<p>If installing a modular radio and it is not turning on, ensure the screen is secured and any trim pieces on the radio have been installed fully. Not installing these fully will prevent radio from powering up and show a 2x red error as well.</p> <p>Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.</p>
No sound.	Ensure blue/white wire from harness is connected to radio's amp turn on output. This is usually blue/white but varies by radio manufacturer. Verify speaker wire connections and 4 pin connectors (green and white).

MAESTRO SR RESET PROCEDURE:

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

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

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

2007-2018

JEEP WRANGLER JK
AUTOMATIC TRANSMISSION

RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER AND MORE!



+



**HEAD UNIT
ADAPTER READY**

PRODUCTS REQUIRED

iDataLink Maestro SR Radio Replacement Interface
iDataLink Maestro SR-CH1 Installation Harness

PROGRAMMED FIRMWARE: CH1-SR-DS


WELCOME

Congratulations on the purchase of your iDatalink Maestro SR 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 SR will only retain functionalities that were originally available in the vehicle.

NEED HELP?

 1 866 427-2999

 maestro.support@idatalink.com

ADDITIONAL INFORMATION AND ACCESSORIES

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

AVCH1
(A/V adapter for backup camera retention)

Installation, product information, vehicle specific videos.

[VIDEO HELP](#)



Last flash information, steering control configuration, vehicle information.

[VERIFY FLASH](#)



Software to program module.

[WEBLINK](#)



INSTALLATION INSTRUCTIONS P1/1

BEFORE INSTALLING

- Remove the factory radio.
- Access the main 22 pin factory radio connector **(2.1)** and determine if you have a factory amplifier.

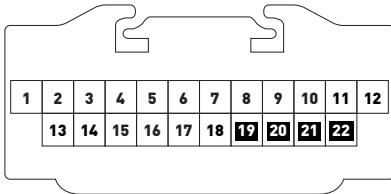


Fig. 2.1

If you don't have wires in PIN 19, 20, 21 and 22, you have a factory amplifier.

If you have wires in PIN 19, 20, 21 and 22, you don't have a factory amplifier

STEP 1

If using head unit adapter (sold separately), connect SR-CH1 harness to adapter and skip to step 2.

- Unbox the aftermarket radio and locate its main harness.
- Cut and remove the black 20 pin connector from the SR-CH1 T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the SR-CH1 T-harness and match the wire functions.

Note: Purple/white is a low current positive output used to trigger the radio only. Do NOT connect to anything other than the radio's reverse input. Refer to radio wire chart for radio's reverse light wire color.

If no camera is installed/desired, do not connect the radio's reverse wire. If installing an aftermarket camera, do NOT connect power for the camera to the Maestro's purple/white wire or module damage will occur.

STEP 2

- Plug the harnesses into the aftermarket radio.
- Plug the Data cable to the iDataLink port of the aftermarket radio.

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

STEP 3

Without factory AMP:

(HRN-SR-CH1 v1.10) : Plug 4-pin connectors of sCH1 harness, WHITE to WHITE and GREEN to GREEN. Do not use crossover câbles.

(HRN-SR-CH1 v1.0 only):

- Modify WHITE crossover cable as shown in the diagram (cut and flip White and White/Black wires).
- Plug male side of each 4-pin SR-CH1 connector to crossover cable, matching color (see wiring diagram).
- Plug the female 4-pin GREEN sCH1 connector to the male GREEN connector of crossover cable.
- Plug the female 4-pin WHITE sCH1 connector to the male WHITE connector of crossover cable.

With factory AMP:

(HRN-SR-CH1 v1.10) : Plug 4-pin connectors of sCH1 harness, GREEN to WHITE and WHITE to GREEN. Do not use crossover câbles.

(HRN-SR-CH1 v1.0 only):

- Modify WHITE crossover cable as shown in the diagram (cut and flip White and White/Black wires).
- Plug male side of each 4-pin SR-CH1 connector to crossover cable, matching color (see wiring diagram).
- Plug the female 4-pin GREEN sCH1 connector to the male WHITE connector of crossover cable.
- Plug the female 4-pin WHITE sCH1 connector to the male GREEN connector of crossover cable.

STEP 4

- Connect the factory radio harness to the SR-CH1 T-harness.

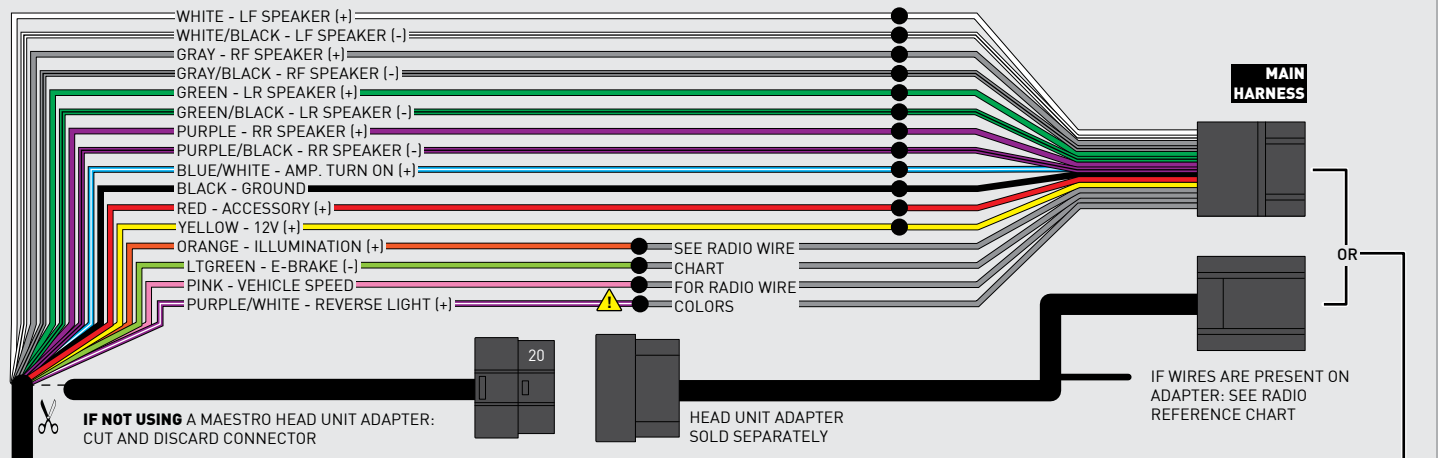
STEP 5

- Connect the SR-CH1 harness to the Maestro SR module.
- Connect the Data cable.

Test your installation.

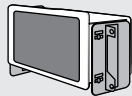
WIRING DIAGRAM

STEP 1



STEP 2

PIONEER RADIO: ENSURE THAT NOTHING IS PLUGGED IN W/R PORT.



AFTERMARKET RADIO

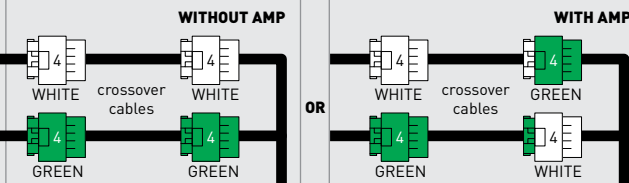
ONLY CONNECT PURPLE/WHITE WIRE TO RADIO REVERSE INPUT, NOT TO A CAMERA OR OTHER ACCESSORY, OR MODULE DAMAGE WILL OCCUR.

STEP 3

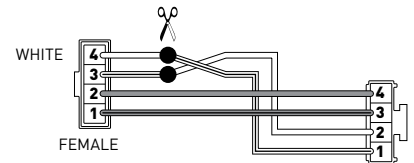
sCH1 HARNESS v1.10 + : PLUG WITHOUT USING CROSSOVER CABLES.

sCH1 HARNESS v1.00 ONLY

- 1- MODIFY WHITE CROSSOVER CABLE AS INDICATED TO THE RIGHT.
- 2- CONNECT CROSSOVER CABLES AS SHOWN BELOW.



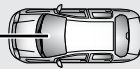
sCH1 v1.00 ONLY : WHITE CROSSOVER CABLE MODIFICATION CUT + FLIP WHITE AND WHITE/BLACK WIRES.



STEP 4

FACTORY RADIO HARNESS

GRAY



AMP TURNON

NC

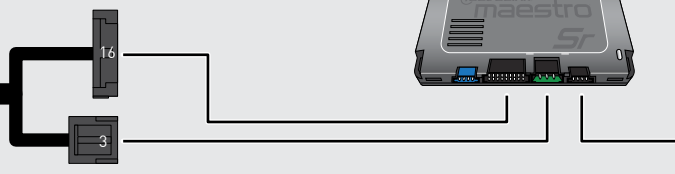
POC1 -

POC2 -

User configurable output - set up during module programming if desired.
Low current negative (~350mA) polarity output used to trigger a relay.

STEP 5

MAESTRO SR MODULE



NOT REQUIRED



RADIO WIRE REFERENCE CHART

CH1 T-harness Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/ JVC cable	Wire Color on Pioneer cable	Wire Color on Sony cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light*	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A

Head unit adapter wiring (optional accessory, sold separately)

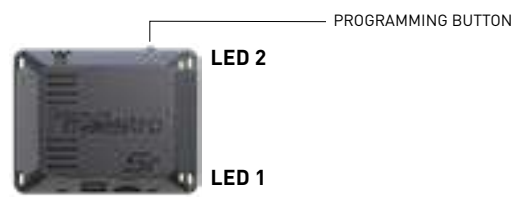
ACC-HU-ALP1 Wire Description	Polarity	Wire Color on Adapter	Alpine Radio
VSS (vehicle speed sensor)	(DATA)	Green/White	Green/White

ACC-HU-KEN1 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
CAM	(+)	Green/Red	Refer to camera/radio manual
CAM	(-)	Green/White	Refer to camera/radio manual
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

ACC-HU-KEN2 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
E-Brake	(-)	LtGreen	LtGreen
Reverse Light*	(+)	Purple/White	Purple/White
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

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

MODULE DIAGNOSTICS



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

TROUBLESHOOTING TABLE

PROBLEM	SOLUTION
When making a phone call you cannot hear the callers but they can hear you.	Switch the 4-pin green and white connectors in the t-harness.
The radio doesn't turn on. LED on the Maestro is not flashing.	Ensure the white and red 2-pin connectors are connected as shown in the diagram. Test for power at the large 3 pin connector of the harness. With it plugged in and vehicle turned on, we should have power on the red and yellow wires.
The light on the Maestro is blinking RED TWICE and the radio IS turning on.	<p>Ensure the 4-pin data cable is connected between the radio and the SR, and that it is plugged into the black port on the Maestro SR. The red and blue ports on the SR should be empty.</p> <p>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.</p>
The light on the Maestro is blinking RED TWICE but the radio is NOT turning on.	<p>If installing a modular radio and it is not turning on, ensure the screen is secured and any trim pieces on the radio have been installed fully. Not installing these fully will prevent radio from powering up and show a 2x red error as well.</p> <p>Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.</p>
No sound.	Ensure blue/white wire from harness is connected to radio's amp turn on output. This is usually blue/white but varies by radio manufacturer. Verify speaker wire connections and 4 pin connectors (green and white).

MAESTRO SR RESET PROCEDURE:

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

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

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

2007-2018

JEEP WRANGLER JK
MANUAL TRANSMISSION

RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER AND MORE!



+



**HEAD UNIT
ADAPTER READY**

PRODUCTS REQUIRED

iDataLink Maestro SR Radio Replacement Interface
iDataLink Maestro SR-CH1 Installation Harness

PROGRAMMED FIRMWARE: CH1-SR-DS


WELCOME

Congratulations on the purchase of your iDatalink Maestro SR 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 SR will only retain functionalities that were originally available in the vehicle.

NEED HELP?

 1 866 427-2999

 maestro.support@idatalink.com

ADDITIONAL INFORMATION AND ACCESSORIES

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

AVCH1
(A/V adapter for backup camera retention)

Installation, product information, vehicle specific videos. [VIDEO HELP](#)



Last flash information, steering control configuration, vehicle information. [VERIFY FLASH](#)



Software to program module. [WEBLINK](#)



INSTALLATION INSTRUCTIONS P1/1

BEFORE INSTALLING

- Remove the factory radio.
- Access the main 22 pin factory radio connector **(2.1)** and determine if you have a factory amplifier.

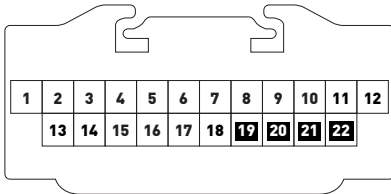


Fig. 2.1

If you don't have wires in PIN 19, 20, 21 and 22, you have a factory amplifier.

If you have wires in PIN 19, 20, 21 and 22, you don't have a factory amplifier

STEP 1

If using head unit adapter (sold separately), connect SR-CH1 harness to adapter and skip to step 2.

- Unbox the aftermarket radio and locate its main harness.
- Cut and remove the black 20 pin connector from the SR-CH1 T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the SR-CH1 T-harness and match the wire functions.

Notes:

- To connect reverse camera, connect REVERSE IN (+) wire from aftermarket radio to White/Gray wire in harness in passenger kick panel.

Refer to radio wire chart for radio's reverse light wire color.

If no camera is installed/desired, do not connect the radio's reverse wire. If installing an aftermarket camera, do NOT connect power for the camera to the Maestro's purple/white wire or module damage will occur.

STEP 2

- Plug the harnesses into the aftermarket radio.
- Plug the Data cable to the iDataLink port of the aftermarket radio.

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

STEP 3

Without factory AMP:

(HRN-SR-CH1 v1.10) : Plug 4-pin connectors of sCH1 harness, WHITE to WHITE and GREEN to GREEN. Do not use crossover câbles.

(HRN-SR-CH1 v1.0 only):

- Modify WHITE crossover cable as shown in the diagram (cut and flip White and White/Black wires).
- Plug male side of each 4-pin SR-CH1 connector to crossover cable, matching color (see wiring diagram).
- Plug the female 4-pin GREEN sCH1 connector to the male GREEN connector of crossover cable.
- Plug the female 4-pin WHITE sCH1 connector to the male WHITE connector of crossover cable.

With factory AMP:

(HRN-SR-CH1 v1.10) : Plug 4-pin connectors of sCH1 harness, GREEN to WHITE and WHITE to GREEN. Do not use crossover câbles.

(HRN-SR-CH1 v1.0 only):

- Modify WHITE crossover cable as shown in the diagram (cut and flip White and White/Black wires).
- Plug male side of each 4-pin SR-CH1 connector to crossover cable, matching color (see wiring diagram).
- Plug the female 4-pin GREEN sCH1 connector to the male WHITE connector of crossover cable.
- Plug the female 4-pin WHITE sCH1 connector to the male GREEN connector of crossover cable.

STEP 4

- Connect the factory radio harness to the SR-CH1 T-harness.

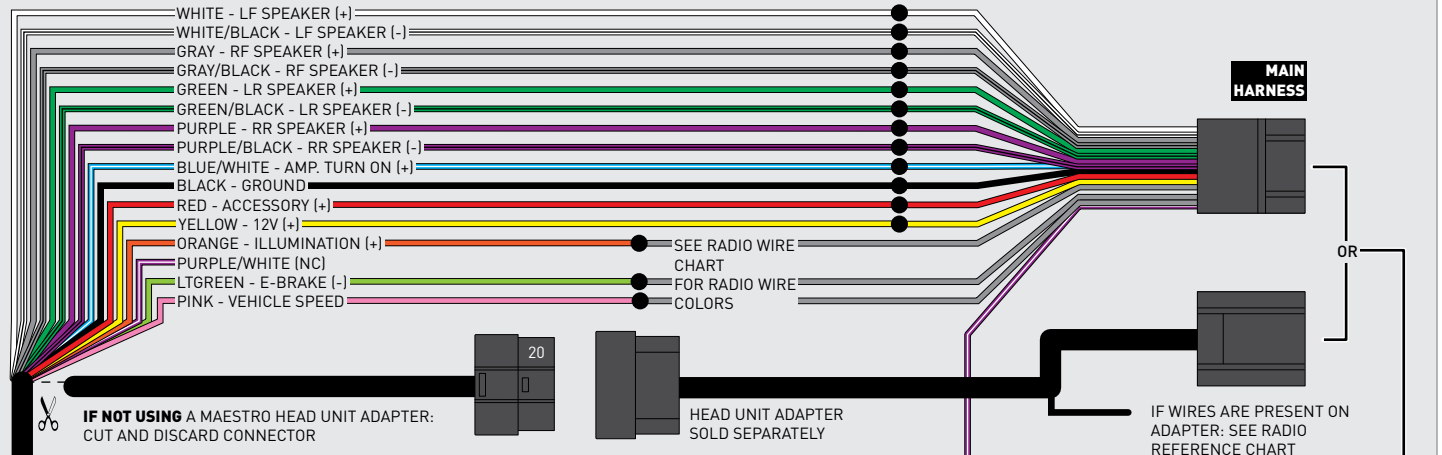
STEP 5

- Connect the SR-CH1 harness to the Maestro SR module.
- Connect the Data cable.

Test your installation.

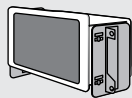
WIRING DIAGRAM

STEP 1



STEP 2

PIONEER RADIO: ENSURE THAT NOTHING IS PLUGGED IN W/R PORT.



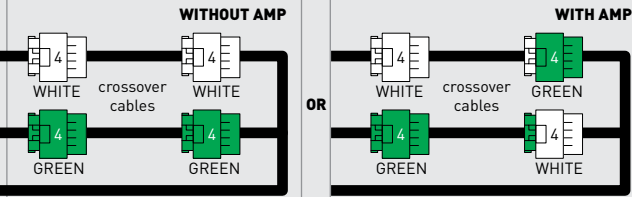
AFTERMARKET RADIO

STEP 3

sCH1 HARNESS v1.10 + : PLUG WITHOUT USING CROSSOVER CABLES.

sCH1 HARNESS v1.00 ONLY

- 1- MODIFY WHITE CROSSOVER CABLE AS INDICATED TO THE RIGHT.
- 2- CONNECT CROSSOVER CABLES AS SHOWN BELOW.

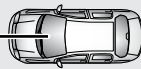


STEP 4

GRAY

22

FACTORY RADIO HARNESS



AMP TURNON

NC

POC1 -

POC2 -

User configurable output - set up during module programming if desired.
Low current negative (~350mA) polarity output used to trigger a relay.

STEP 5

MAESTRO SR MODULE



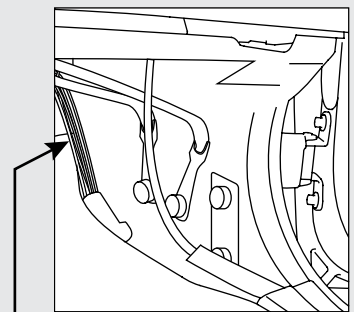
16

3

PASSENGER KICK PANEL

PURPLE/WHITE
REVERSE LIGHT (+) *

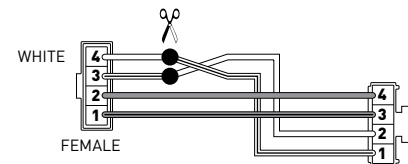
WHITE/GRAY



* IMPORTANT INFORMATION IN INSTALLATION INSTRUCTIONS



sCH1 v1.00 ONLY : WHITE CROSSOVER CABLE MODIFICATION
CUT + FLIP WHITE AND WHITE/BLACK WIRES.



NOT REQUIRED



RADIO WIRE REFERENCE CHART

CH1 T-harness Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/ JVC cable	Wire Color on Pioneer cable	Wire Color on Sony cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light*	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A

Head unit adapter wiring (optional accessory, sold separately)

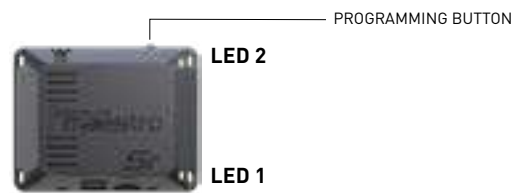
ACC-HU-ALP1 Wire Description	Polarity	Wire Color on Adapter	Alpine Radio
VSS (vehicle speed sensor)	(DATA)	Green/White	Green/White

ACC-HU-KEN1 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
CAM	(+)	Green/Red	Refer to camera/radio manual
CAM	(-)	Green/White	Refer to camera/radio manual
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

ACC-HU-KEN2 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
E-Brake	(-)	LtGreen	LtGreen
Reverse Light*	(+)	Purple/White	Purple/White
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

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

MODULE DIAGNOSTICS



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

TROUBLESHOOTING TABLE

PROBLEM	SOLUTION
When making a phone call you cannot hear the callers but they can hear you.	Switch the 4-pin green and white connectors in the t-harness.
The radio doesn't turn on. LED on the Maestro is not flashing.	Ensure the white and red 2-pin connectors are connected as shown in the diagram. Test for power at the large 3 pin connector of the harness. With it plugged in and vehicle turned on, we should have power on the red and yellow wires.
The light on the Maestro is blinking RED TWICE and the radio IS turning on.	<p>Ensure the 4-pin data cable is connected between the radio and the SR, and that it is plugged into the black port on the Maestro SR. The red and blue ports on the SR should be empty.</p> <p>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.</p>
The light on the Maestro is blinking RED TWICE but the radio is NOT turning on.	<p>If installing a modular radio and it is not turning on, ensure the screen is secured and any trim pieces on the radio have been installed fully. Not installing these fully will prevent radio from powering up and show a 2x red error as well.</p> <p>Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.</p>
No sound.	Ensure blue/white wire from harness is connected to radio's amp turn on output. This is usually blue/white but varies by radio manufacturer. Verify speaker wire connections and 4 pin connectors (green and white).

MAESTRO SR RESET PROCEDURE:

Turn the key to the OFF position, then disconnect all connectors from the module.

Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).

Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds to show the reset was successful.

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

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

RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER AND MORE!



+



**HEAD UNIT
ADAPTER READY**

PRODUCTS REQUIRED

iDataLink Maestro SR Radio Replacement Interface
iDataLink Maestro SR-CH1 Installation Harness

PROGRAMMED FIRMWARE: CH1-SR-DS

WELCOME

Congratulations on the purchase of your iDatalink Maestro SR 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 SR will only retain functionalities that were originally available in the vehicle.

NEED HELP?

☎ 1 866 427-2999

✉ maestro.support@idatalink.com

ADDITIONAL INFORMATION AND ACCESSORIES

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

AVCH1
(A/V adapter for backup camera retention)

Installation, product information, vehicle specific videos.

[VIDEO HELP](#)



Last flash information, steering control configuration, vehicle information.

[VERIFY FLASH](#)



Software to program module.

[WEBLINK](#)



INSTALLATION INSTRUCTIONS P1/1

BEFORE INSTALLING

- Remove the factory radio.
- Access the main 22 pin factory radio connector **(2.1)** and determine if you have a factory amplifier.

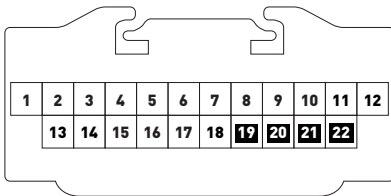


Fig. 2.1

If you don't have wires in PIN 19, 20, 21 and 22, you have a factory amplifier.

If you have wires in PIN 19, 20, 21 and 22, you don't have a factory amplifier

STEP 1

If using head unit adapter (sold separately), connect SR-CH1 harness to adapter and skip to step 2.

- Unbox the aftermarket radio and locate its main harness.
- Cut and remove the black 20 pin connector from the SR-CH1 T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the SR-CH1 T-harness and match the wire functions.

Note: Purple/white is a low current positive output used to trigger the radio only. Do NOT connect to anything other than the radio's reverse input. Refer to radio wire chart for radio's reverse light wire color.

If no camera is installed/desired, do not connect the radio's reverse wire. If installing an aftermarket camera, do NOT connect power for the camera to the Maestro's purple/white wire or module damage will occur.

STEP 2

- Plug the harnesses into the aftermarket radio.
- Plug the Data cable to the iDataLink port of the aftermarket radio.

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

STEP 3

Without factory AMP:

(HRN-SR-CH1 v1.10) : Plug 4-pin connectors of sCH1 harness, WHITE to WHITE and GREEN to GREEN. Do not use crossover câbles.

(HRN-SR-CH1 v1.0 only):

- Modify WHITE crossover cable as shown in the diagram (cut and flip White and White/Black wires).
- Plug male side of each 4-pin SR-CH1 connector to crossover cable, matching color (see wiring diagram).
- Plug the female 4-pin GREEN sCH1 connector to the male GREEN connector of crossover cable.
- Plug the female 4-pin WHITE sCH1 connector to the male WHITE connector of crossover cable.

With factory AMP:

(HRN-SR-CH1 v1.10) : Plug 4-pin connectors of sCH1 harness, GREEN to WHITE and WHITE to GREEN. Do not use crossover câbles.

(HRN-SR-CH1 v1.0 only):

- Modify WHITE crossover cable as shown in the diagram (cut and flip White and White/Black wires).
- Plug male side of each 4-pin SR-CH1 connector to crossover cable, matching color (see wiring diagram).
- Plug the female 4-pin GREEN sCH1 connector to the male WHITE connector of crossover cable.
- Plug the female 4-pin WHITE sCH1 connector to the male GREEN connector of crossover cable.

STEP 4

- Connect the factory radio harness to the SR-CH1 T-harness.

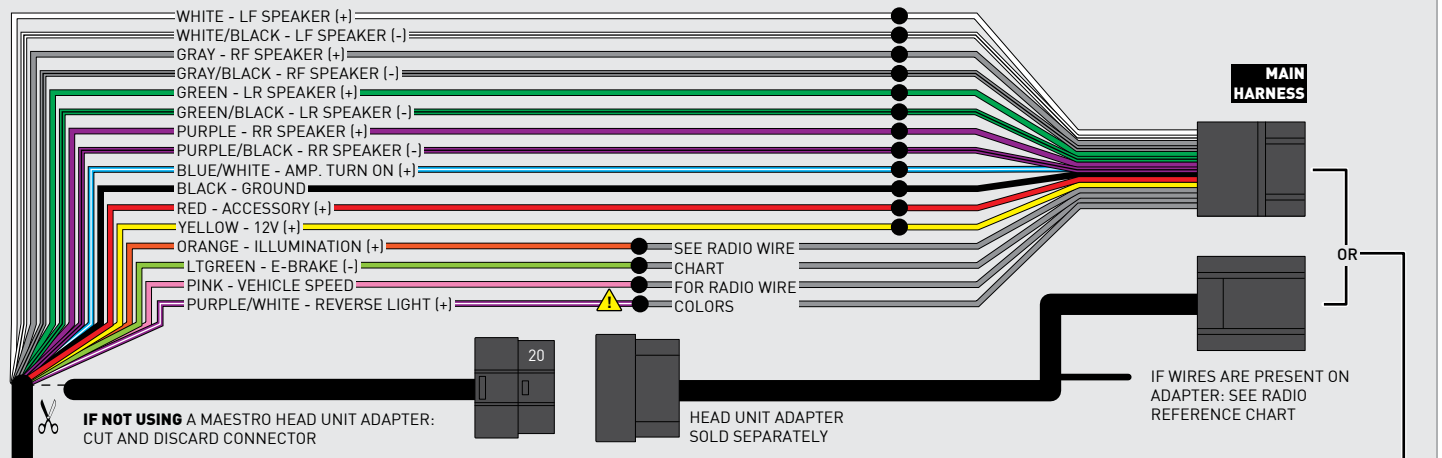
STEP 5

- Connect the SR-CH1 harness to the Maestro SR module.
- Connect the Data cable.

Test your installation.

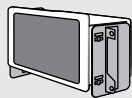
WIRING DIAGRAM

STEP 1



STEP 2

PIONEER RADIO: ENSURE THAT NOTHING IS PLUGGED IN W/R PORT.



AFTERMARKET RADIO

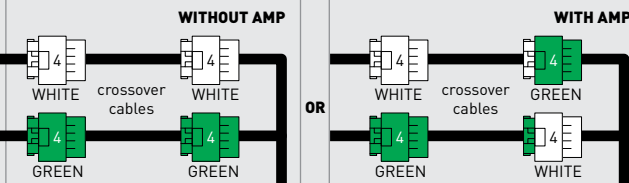
ONLY CONNECT PURPLE/WHITE WIRE TO RADIO REVERSE INPUT, NOT TO A CAMERA OR OTHER ACCESSORY, OR MODULE DAMAGE WILL OCCUR.

STEP 3

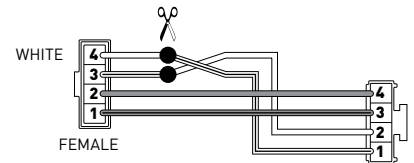
sCH1 HARNESS v1.10 + : PLUG WITHOUT USING CROSSOVER CABLES.

sCH1 HARNESS v1.00 ONLY

- 1- MODIFY WHITE CROSSOVER CABLE AS INDICATED TO THE RIGHT.
- 2- CONNECT CROSSOVER CABLES AS SHOWN BELOW.



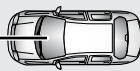
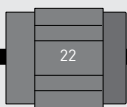
sCH1 v1.00 ONLY : WHITE CROSSOVER CABLE MODIFICATION CUT + FLIP WHITE AND WHITE/BLACK WIRES.



STEP 4

FACTORY RADIO HARNESS

GRAY



AMP TURNON

NC

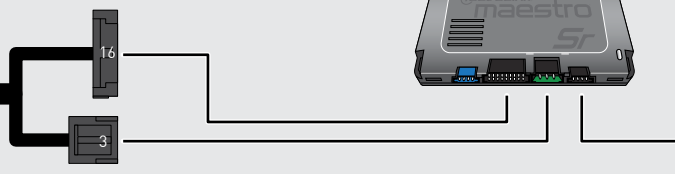
POC1 -

POC2 -

User configurable output - set up during module programming if desired.
Low current negative (~350mA) polarity output used to trigger a relay.

STEP 5

MAESTRO SR MODULE



NOT REQUIRED



RADIO WIRE REFERENCE CHART

CH1 T-harness Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/ JVC cable	Wire Color on Pioneer cable	Wire Color on Sony cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light*	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A

Head unit adapter wiring (optional accessory, sold separately)

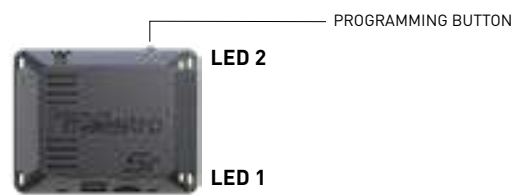
ACC-HU-ALP1 Wire Description	Polarity	Wire Color on Adapter	Alpine Radio
VSS (vehicle speed sensor)	(DATA)	Green/White	Green/White

ACC-HU-KEN1 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
CAM	(+)	Green/Red	Refer to camera/radio manual
CAM	(-)	Green/White	Refer to camera/radio manual
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

ACC-HU-KEN2 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
E-Brake	(-)	LtGreen	LtGreen
Reverse Light*	(+)	Purple/White	Purple/White
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

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

MODULE DIAGNOSTICS



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

TROUBLESHOOTING TABLE

PROBLEM	SOLUTION
When making a phone call you cannot hear the callers but they can hear you.	Switch the 4-pin green and white connectors in the t-harness.
The radio doesn't turn on. LED on the Maestro is not flashing.	Ensure the white and red 2-pin connectors are connected as shown in the diagram. Test for power at the large 3 pin connector of the harness. With it plugged in and vehicle turned on, we should have power on the red and yellow wires.
The light on the Maestro is blinking RED TWICE and the radio IS turning on.	<p>Ensure the 4-pin data cable is connected between the radio and the SR, and that it is plugged into the black port on the Maestro SR. The red and blue ports on the SR should be empty.</p> <p>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.</p>
The light on the Maestro is blinking RED TWICE but the radio is NOT turning on.	<p>If installing a modular radio and it is not turning on, ensure the screen is secured and any trim pieces on the radio have been installed fully. Not installing these fully will prevent radio from powering up and show a 2x red error as well.</p> <p>Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.</p>
No sound.	Ensure blue/white wire from harness is connected to radio's amp turn on output. This is usually blue/white but varies by radio manufacturer. Verify speaker wire connections and 4 pin connectors (green and white).

MAESTRO SR RESET PROCEDURE:

Turn the key to the OFF position, then disconnect all connectors from the module.

Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).

Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds to show the reset was successful.

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

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

RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER AND MORE!



+



**HEAD UNIT
ADAPTER READY**

PRODUCTS REQUIRED

iDataLink Maestro SR Radio Replacement Interface
iDataLink Maestro SR-CH1 Installation Harness

PROGRAMMED FIRMWARE: CH1-SR-DS


WELCOME

Congratulations on the purchase of your iDatalink Maestro SR 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 SR will only retain functionalities that were originally available in the vehicle.

NEED HELP?

 1 866 427-2999

 maestro.support@idatalink.com

ADDITIONAL INFORMATION AND ACCESSORIES

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

AVCH1
(A/V adapter for backup camera retention)

Installation, product information, vehicle specific videos.

[VIDEO HELP](#)



Last flash information, steering control configuration, vehicle information.

[VERIFY FLASH](#)



Software to program module.

[WEBLINK](#)



INSTALLATION INSTRUCTIONS P1/1

BEFORE INSTALLING

- Remove the factory radio.
- Access the main 22 pin factory radio connector **(2.1)** and determine if you have a factory amplifier.

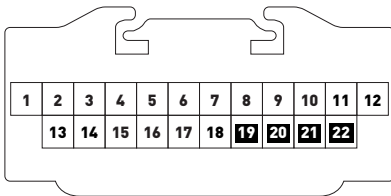


Fig. 2.1

If you don't have wires in PIN 19, 20, 21 and 22, you have a factory amplifier.

If you have wires in PIN 19, 20, 21 and 22, you don't have a factory amplifier

STEP 1

If using head unit adapter (sold separately), connect SR-CH1 harness to adapter and skip to step 2.

- Unbox the aftermarket radio and locate its main harness.
- Cut and remove the black 20 pin connector from the SR-CH1 T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the SR-CH1 T-harness and match the wire functions.

Note: Purple/white is a low current positive output used to trigger the radio only. Do NOT connect to anything other than the radio's reverse input. Refer to radio wire chart for radio's reverse light wire color.

If no camera is installed/desired, do not connect the radio's reverse wire. If installing an aftermarket camera, do NOT connect power for the camera to the Maestro's purple/white wire or module damage will occur.

STEP 2

- Plug the harnesses into the aftermarket radio.
- Plug the Data cable to the iDataLink port of the aftermarket radio.

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

STEP 3

Without factory AMP:

(HRN-SR-CH1 v1.10) : Plug 4-pin connectors of sCH1 harness, WHITE to WHITE and GREEN to GREEN. Do not use crossover câbles.

(HRN-SR-CH1 v1.0 only):

- Modify WHITE crossover cable as shown in the diagram (cut and flip White and White/Black wires).
- Plug male side of each 4-pin SR-CH1 connector to crossover cable, matching color (see wiring diagram).
- Plug the female 4-pin GREEN sCH1 connector to the male GREEN connector of crossover cable.
- Plug the female 4-pin WHITE sCH1 connector to the male WHITE connector of crossover cable.

With factory AMP:

(HRN-SR-CH1 v1.10) : Plug 4-pin connectors of sCH1 harness, GREEN to WHITE and WHITE to GREEN. Do not use crossover câbles.

(HRN-SR-CH1 v1.0 only):

- Modify WHITE crossover cable as shown in the diagram (cut and flip White and White/Black wires).
- Plug male side of each 4-pin SR-CH1 connector to crossover cable, matching color (see wiring diagram).
- Plug the female 4-pin GREEN sCH1 connector to the male WHITE connector of crossover cable.
- Plug the female 4-pin WHITE sCH1 connector to the male GREEN connector of crossover cable.

STEP 4

- Connect the factory radio harness to the SR-CH1 T-harness.

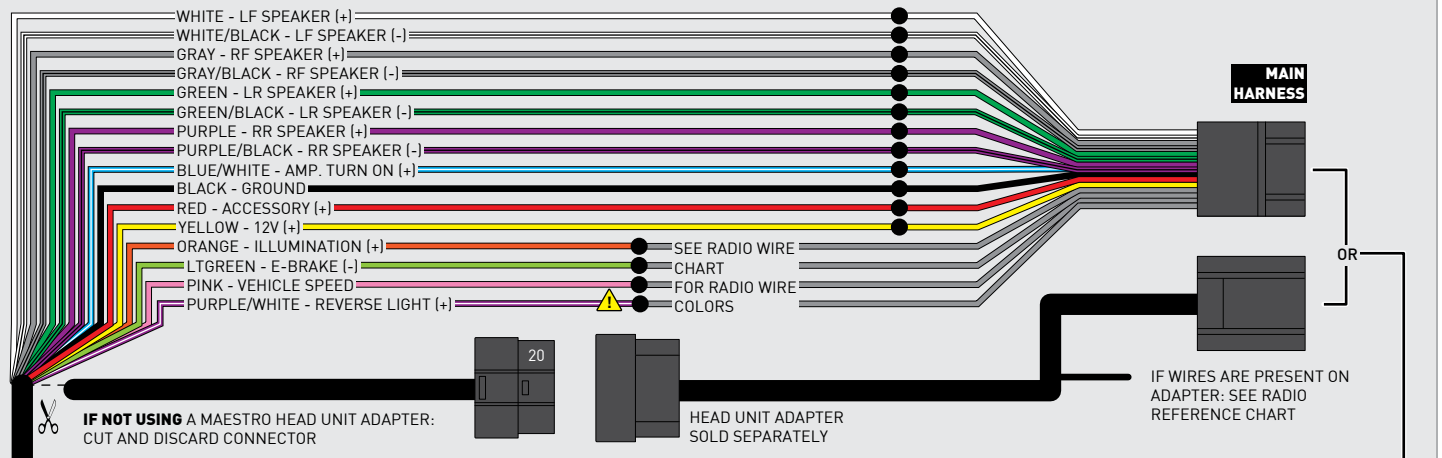
STEP 5

- Connect the SR-CH1 harness to the Maestro SR module.
- Connect the Data cable.

Test your installation.

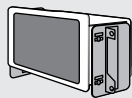
WIRING DIAGRAM

STEP 1



STEP 2

PIONEER RADIO: ENSURE THAT
NOTHING IS PLUGGED IN W/R PORT.



AFTERMARKET RADIO

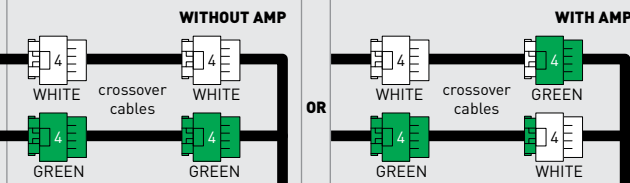
ONLY CONNECT PURPLE/WHITE WIRE TO RADIO REVERSE INPUT, NOT TO A
CAMERA OR OTHER ACCESSORY, OR MODULE DAMAGE WILL OCCUR.

STEP 3

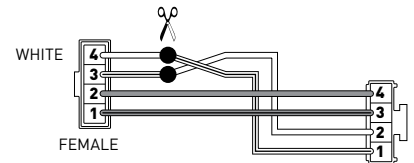
sCH1 HARNESS v1.10 + : PLUG WITHOUT USING CROSSOVER CABLES.

sCH1 HARNESS v1.00 ONLY

- 1- MODIFY WHITE CROSSOVER CABLE AS INDICATED TO THE RIGHT.
- 2- CONNECT CROSSOVER CABLES AS SHOWN BELOW.



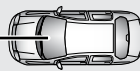
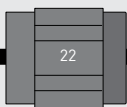
sCH1 v1.00 ONLY : WHITE CROSSOVER CABLE MODIFICATION
CUT + FLIP WHITE AND WHITE/BLACK WIRES.



STEP 4

FACTORY RADIO HARNESS

GRAY



AMP TURNON

NC

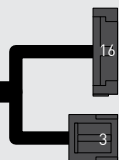
POC1 -

POC2 -

User configurable output - set up during module programming if desired.
Low current negative (~350mA) polarity output used to trigger a relay.

STEP 5

MAESTRO SR MODULE



NOT REQUIRED



RADIO WIRE REFERENCE CHART

CH1 T-harness Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/ JVC cable	Wire Color on Pioneer cable	Wire Color on Sony cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light*	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A

Head unit adapter wiring (optional accessory, sold separately)

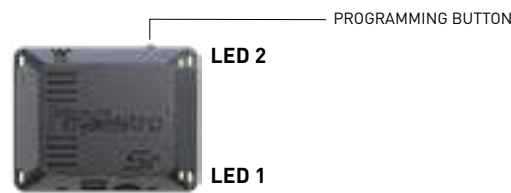
ACC-HU-ALP1 Wire Description	Polarity	Wire Color on Adapter	Alpine Radio
VSS (vehicle speed sensor)	(DATA)	Green/White	Green/White

ACC-HU-KEN1 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
CAM	(+)	Green/Red	Refer to camera/radio manual
CAM	(-)	Green/White	Refer to camera/radio manual
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

ACC-HU-KEN2 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
E-Brake	(-)	LtGreen	LtGreen
Reverse Light*	(+)	Purple/White	Purple/White
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

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

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 Bluetooth activity	LED STATUS	DIAGNOSTIC
<div><div></div> or <div></div></div>		RED or GREEN flashing	LED flashes 1 or more times, either red or green, when a steering wheel button is pressed : normal operation.
<div></div>		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do <u>NOT</u> use DEMO MODE.
<div></div>		2 RED flashes	Problem detected. Consult troubleshooting table.
<div></div>		1 GREEN flash	After radio boots up : Normal operation.
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TROUBLESHOOTING TABLE

PROBLEM	SOLUTION
When making a phone call you cannot hear the callers but they can hear you.	Switch the 4-pin green and white connectors in the t-harness.
The radio doesn't turn on. LED on the Maestro is not flashing.	Ensure the white and red 2-pin connectors are connected as shown in the diagram. Test for power at the large 3 pin connector of the harness. With it plugged in and vehicle turned on, we should have power on the red and yellow wires.
The light on the Maestro is blinking RED TWICE and the radio IS turning on.	<p>Ensure the 4-pin data cable is connected between the radio and the SR, and that it is plugged into the black port on the Maestro SR. The red and blue ports on the SR should be empty.</p> <p>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.</p>
The light on the Maestro is blinking RED TWICE but the radio is NOT turning on.	<p>If installing a modular radio and it is not turning on, ensure the screen is secured and any trim pieces on the radio have been installed fully. Not installing these fully will prevent radio from powering up and show a 2x red error as well.</p> <p>Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.</p>
No sound.	Ensure blue/white wire from harness is connected to radio's amp turn on output. This is usually blue/white but varies by radio manufacturer. Verify speaker wire connections and 4 pin connectors (green and white).

MAESTRO SR RESET PROCEDURE:

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

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

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

RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER AND MORE!



+



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ADAPTER READY**

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WELCOME

Congratulations on the purchase of your iDatalink Maestro SR 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 SR will only retain functionalities that were originally available in the vehicle.

NEED HELP?

 1 866 427-2999

 maestro.support@idatalink.com

ADDITIONAL INFORMATION AND ACCESSORIES

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

AVCH1
(A/V adapter for backup camera retention only)

Installation, product information, vehicle specific videos.

[VIDEO HELP](#)



Last flash information, steering control configuration, vehicle information.

[VERIFY FLASH](#)



Software to program module.

[WEBLINK](#)



INSTALLATION INSTRUCTIONS P1/1

BEFORE INSTALLING

- Remove the factory radio.
- Access the main 22 pin factory radio connector **(2.1)** and determine if you have a factory amplifier.

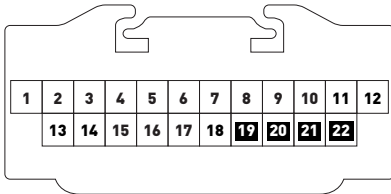


Fig. 2.1

If you don't have wires in PIN 19, 20, 21 and 22, you have a factory amplifier.

If you have wires in PIN 19, 20, 21 and 22, you don't have a factory amplifier

STEP 1

If using head unit adapter (sold separately), connect SR-CH1 harness to adapter and skip to step 2.

- Unbox the aftermarket radio and locate its main harness.
- Cut and remove the black 20 pin connector from the SR-CH1 T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the SR-CH1 T-harness and match the wire functions.

Note: Purple/white is a low current positive output used to trigger the radio only. Do NOT connect to anything other than the radio's reverse input. Refer to radio wire chart for radio's reverse light wire color.

If no camera is installed/desired, do not connect the radio's reverse wire. If installing an aftermarket camera, do NOT connect power for the camera to the Maestro's purple/white wire or module damage will occur.

STEP 2

- Plug the harnesses into the aftermarket radio.
- Plug the Data cable to the iDataLink port of the aftermarket radio.

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

STEP 3

Without factory AMP:

(HRN-SR-CH1 v1.10) : Plug 4-pin connectors of sCH1 harness, WHITE to WHITE and GREEN to GREEN. Do not use crossover câbles.

(HRN-SR-CH1 v1.0 only):

- Modify WHITE crossover cable as shown in the diagram (cut and flip White and White/Black wires).
- Plug male side of each 4-pin SR-CH1 connector to crossover cable, matching color (see wiring diagram).
- Plug the female 4-pin GREEN sCH1 connector to the male GREEN connector of crossover cable.
- Plug the female 4-pin WHITE sCH1 connector to the male WHITE connector of crossover cable.

With factory AMP:

(HRN-SR-CH1 v1.10) : Plug 4-pin connectors of sCH1 harness, GREEN to WHITE and WHITE to GREEN. Do not use crossover câbles.

(HRN-SR-CH1 v1.0 only):

- Modify WHITE crossover cable as shown in the diagram (cut and flip White and White/Black wires).
- Plug male side of each 4-pin SR-CH1 connector to crossover cable, matching color (see wiring diagram).
- Plug the female 4-pin GREEN sCH1 connector to the male WHITE connector of crossover cable.
- Plug the female 4-pin WHITE sCH1 connector to the male GREEN connector of crossover cable.

STEP 4

- Connect the factory radio harness to the SR-CH1 T-harness.

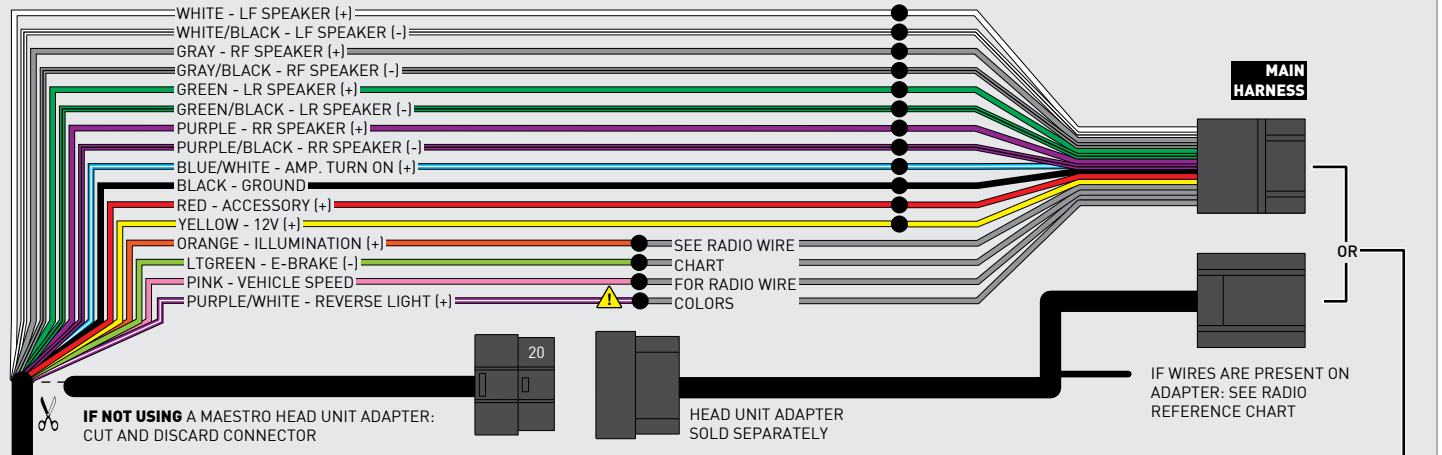
STEP 5

- Connect the SR-CH1 harness to the Maestro SR module.
- Connect the Data cable.

Test your installation.

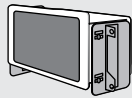
WIRING DIAGRAM

STEP 1



STEP 2

PIONEER RADIO: ENSURE THAT
NOTHING IS PLUGGED IN W/R PORT.



AFTERMARKET RADIO

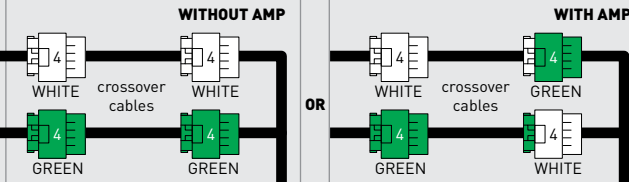
ONLY CONNECT PURPLE/WHITE WIRE TO RADIO REVERSE INPUT, NOT TO A
CAMERA OR OTHER ACCESSORY, OR MODULE DAMAGE WILL OCCUR.

STEP 3

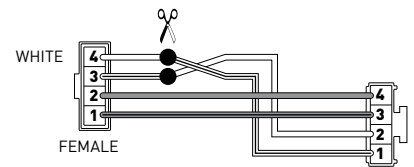
sCH1 HARNESS v1.10 + : PLUG WITHOUT USING CROSSOVER CABLES.

sCH1 HARNESS v1.00 ONLY

- 1- MODIFY WHITE CROSSOVER CABLE AS INDICATED TO THE RIGHT.
- 2- CONNECT CROSSOVER CABLES AS SHOWN BELOW.



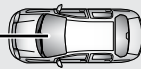
sCH1 v1.00 ONLY : WHITE CROSSOVER CABLE MODIFICATION
CUT + FLIP WHITE AND WHITE/BLACK WIRES.



STEP 4

FACTORY RADIO HARNESS

GRAY



AMP TURNON

NC

POC1 -

POC2 -

User configurable output - set up during module programming if desired.
Low current negative (~350mA) polarity output used to trigger a relay.

STEP 5

MAESTRO SR MODULE



NOT REQUIRED



RADIO WIRE REFERENCE CHART

CH1 T-harness Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/ JVC cable	Wire Color on Pioneer cable	Wire Color on Sony cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light*	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A

Head unit adapter wiring (optional accessory, sold separately)

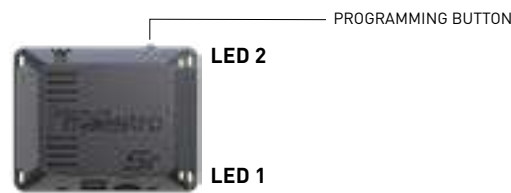
ACC-HU-ALP1 Wire Description	Polarity	Wire Color on Adapter	Alpine Radio
VSS (vehicle speed sensor)	(DATA)	Green/White	Green/White

ACC-HU-KEN1 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
CAM	(+)	Green/Red	Refer to camera/radio manual
CAM	(-)	Green/White	Refer to camera/radio manual
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

ACC-HU-KEN2 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
E-Brake	(-)	LtGreen	LtGreen
Reverse Light*	(+)	Purple/White	Purple/White
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

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

MODULE DIAGNOSTICS



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

TROUBLESHOOTING TABLE

PROBLEM	SOLUTION
When making a phone call you cannot hear the callers but they can hear you.	Switch the 4-pin green and white connectors in the t-harness.
The radio doesn't turn on. LED on the Maestro is not flashing.	Ensure the white and red 2-pin connectors are connected as shown in the diagram. Test for power at the large 3 pin connector of the harness. With it plugged in and vehicle turned on, we should have power on the red and yellow wires.
The light on the Maestro is blinking RED TWICE and the radio IS turning on.	<p>Ensure the 4-pin data cable is connected between the radio and the SR, and that it is plugged into the black port on the Maestro SR. The red and blue ports on the SR should be empty.</p> <p>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.</p>
The light on the Maestro is blinking RED TWICE but the radio is NOT turning on.	<p>If installing a modular radio and it is not turning on, ensure the screen is secured and any trim pieces on the radio have been installed fully. Not installing these fully will prevent radio from powering up and show a 2x red error as well.</p> <p>Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.</p>
No sound.	Ensure blue/white wire from harness is connected to radio's amp turn on output. This is usually blue/white but varies by radio manufacturer. Verify speaker wire connections and 4 pin connectors (green and white).

MAESTRO SR RESET PROCEDURE:

Turn the key to the OFF position, then disconnect all connectors from the module.

Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).

Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds to show the reset was successful.

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

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

RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER AND MORE!



+



**HEAD UNIT
ADAPTER READY**

PRODUCTS REQUIRED

iDataLink Maestro SR Radio Replacement Interface
iDataLink Maestro SR-CH1 Installation Harness

PROGRAMMED FIRMWARE: CH1-SR-DS


WELCOME

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(A/V adapter for backup camera retention)

Installation, product information, vehicle specific videos.

[VIDEO HELP](#)



Last flash information, steering control configuration, vehicle information.

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Software to program module.

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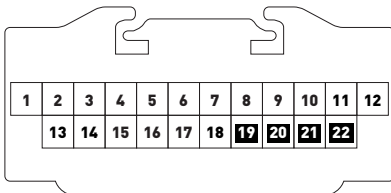


Fig. 2.1

If you don't have wires in PIN 19, 20, 21 and 22, you have a factory amplifier.

If you have wires in PIN 19, 20, 21 and 22, you don't have a factory amplifier

STEP 1

If using head unit adapter (sold separately), connect SR-CH1 harness to adapter and skip to step 2.

- Unbox the aftermarket radio and locate its main harness.
- Cut and remove the black 20 pin connector from the SR-CH1 T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the SR-CH1 T-harness and match the wire functions.

Note: Purple/white is a low current positive output used to trigger the radio only. Do NOT connect to anything other than the radio's reverse input. Refer to radio wire chart for radio's reverse light wire color.

If no camera is installed/desired, do not connect the radio's reverse wire. If installing an aftermarket camera, do NOT connect power for the camera to the Maestro's purple/white wire or module damage will occur.

STEP 2

- Plug the harnesses into the aftermarket radio.
- Plug the Data cable to the iDataLink port of the aftermarket radio.

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

STEP 3

Without factory AMP:

(HRN-SR-CH1 v1.10) : Plug 4-pin connectors of sCH1 harness, WHITE to WHITE and GREEN to GREEN. Do not use crossover câbles.

(HRN-SR-CH1 v1.0 only):

- Modify WHITE crossover cable as shown in the diagram (cut and flip White and White/Black wires).
- Plug male side of each 4-pin SR-CH1 connector to crossover cable, matching color (see wiring diagram).
- Plug the female 4-pin GREEN sCH1 connector to the male GREEN connector of crossover cable.
- Plug the female 4-pin WHITE sCH1 connector to the male WHITE connector of crossover cable.

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(HRN-SR-CH1 v1.0 only):

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- Plug male side of each 4-pin SR-CH1 connector to crossover cable, matching color (see wiring diagram).
- Plug the female 4-pin GREEN sCH1 connector to the male WHITE connector of crossover cable.
- Plug the female 4-pin WHITE sCH1 connector to the male GREEN connector of crossover cable.

STEP 4

- Connect the factory radio harness to the SR-CH1 T-harness.

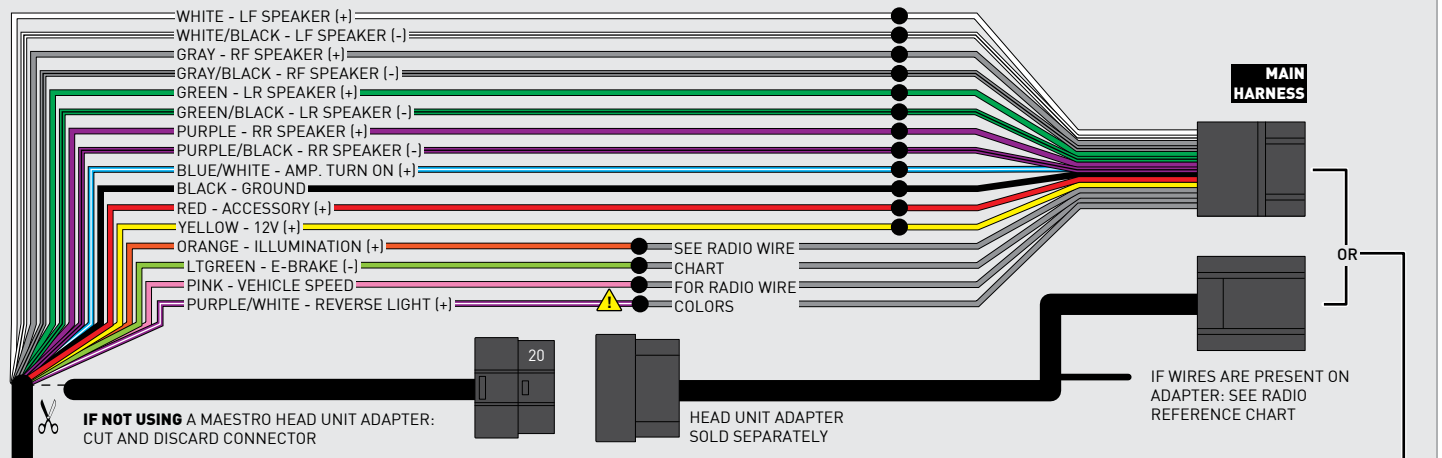
STEP 5

- Connect the SR-CH1 harness to the Maestro SR module.
- Connect the Data cable.

Test your installation.

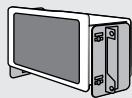
WIRING DIAGRAM

STEP 1



STEP 2

PIONEER RADIO: ENSURE THAT
NOTHING IS PLUGGED IN W/R PORT.



AFTERMARKET RADIO

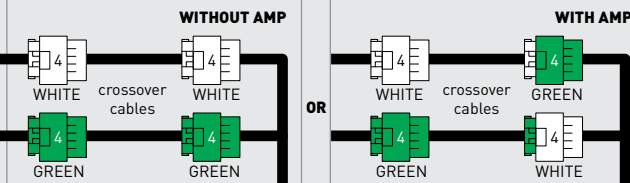
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STEP 3

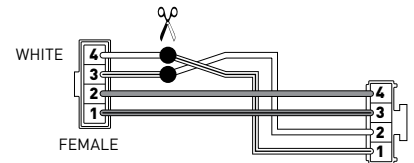
sCH1 HARNESS v1.10 + : PLUG WITHOUT USING CROSSOVER CABLES.

sCH1 HARNESS v1.00 ONLY

- 1- MODIFY WHITE CROSSOVER CABLE AS INDICATED TO THE RIGHT.
- 2- CONNECT CROSSOVER CABLES AS SHOWN BELOW.



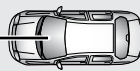
sCH1 v1.00 ONLY : WHITE CROSSOVER CABLE MODIFICATION
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STEP 4

FACTORY RADIO HARNESS

GRAY



AMP TURNON

NC

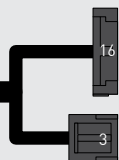
POC1 -

POC2 -

User configurable output - set up during module programming if desired.
Low current negative (~350mA) polarity output used to trigger a relay.

STEP 5

MAESTRO SR MODULE



NOT REQUIRED



RADIO WIRE REFERENCE CHART

CH1 T-harness Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/ JVC cable	Wire Color on Pioneer cable	Wire Color on Sony cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light*	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A

Head unit adapter wiring (optional accessory, sold separately)

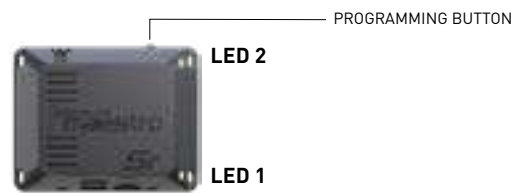
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CAM	(-)	Green/White	Refer to camera/radio manual
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

ACC-HU-KEN2 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
E-Brake	(-)	LtGreen	LtGreen
Reverse Light*	(+)	Purple/White	Purple/White
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

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

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 Bluetooth activity	LED STATUS	DIAGNOSTIC
<div><div></div> or <div></div></div>		RED or GREEN flashing	LED flashes 1 or more times, either red or green, when a steering wheel button is pressed : normal operation.
<div></div>		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do <u>NOT</u> use DEMO MODE.
<div></div>		2 RED flashes	Problem detected. Consult troubleshooting table.
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PROBLEM	SOLUTION
When making a phone call you cannot hear the callers but they can hear you.	Switch the 4-pin green and white connectors in the t-harness.
The radio doesn't turn on. LED on the Maestro is not flashing.	Ensure the white and red 2-pin connectors are connected as shown in the diagram. Test for power at the large 3 pin connector of the harness. With it plugged in and vehicle turned on, we should have power on the red and yellow wires.
The light on the Maestro is blinking RED TWICE and the radio IS turning on.	<p>Ensure the 4-pin data cable is connected between the radio and the SR, and that it is plugged into the black port on the Maestro SR. The red and blue ports on the SR should be empty.</p> <p>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.</p>
The light on the Maestro is blinking RED TWICE but the radio is NOT turning on.	<p>If installing a modular radio and it is not turning on, ensure the screen is secured and any trim pieces on the radio have been installed fully. Not installing these fully will prevent radio from powering up and show a 2x red error as well.</p> <p>Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.</p>
No sound.	Ensure blue/white wire from harness is connected to radio's amp turn on output. This is usually blue/white but varies by radio manufacturer. Verify speaker wire connections and 4 pin connectors (green and white).

MAESTRO SR 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.

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RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER AND MORE!



+



**HEAD UNIT
ADAPTER READY**

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iDataLink Maestro SR-CH1 Installation Harness

PROGRAMMED FIRMWARE: CH1-SR-DS


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HEAD UNIT ADAPTER:
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AVCH1
(A/V adapter for backup camera retention and rear seat entertainment system)

Installation, product information, vehicle specific videos.

[VIDEO HELP](#)



Last flash information, steering control configuration, vehicle information.

[VERIFY FLASH](#)



Software to program module.

[WEBLINK](#)



INSTALLATION INSTRUCTIONS P1/1

BEFORE INSTALLING

- Remove the factory radio.
- Access the main 22 pin factory radio connector **(2.1)** and determine if you have a factory amplifier.

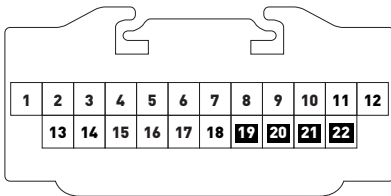


Fig. 2.1

If you don't have wires in PIN 19, 20, 21 and 22, you have a factory amplifier.

If you have wires in PIN 19, 20, 21 and 22, you don't have a factory amplifier

STEP 1

If using head unit adapter (sold separately), connect SR-CH1 harness to adapter and skip to step 2.

- Unbox the aftermarket radio and locate its main harness.
- Cut and remove the black 20 pin connector from the SR-CH1 T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the SR-CH1 T-harness and match the wire functions.

Note: Purple/white is a low current positive output used to trigger the radio only. Do NOT connect to anything other than the radio's reverse input. Refer to radio wire chart for radio's reverse light wire color.

If no camera is installed/desired, do not connect the radio's reverse wire. If installing an aftermarket camera, do NOT connect power for the camera to the Maestro's purple/white wire or module damage will occur.

STEP 2

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

STEP 3

Without factory AMP:

(HRN-SR-CH1 v1.10) : Plug 4-pin connectors of sCH1 harness, WHITE to WHITE and GREEN to GREEN. Do not use crossover câbles.

(HRN-SR-CH1 v1.0 only):

- Modify WHITE crossover cable as shown in the diagram (cut and flip White and White/Black wires).
- Plug male side of each 4-pin SR-CH1 connector to crossover cable, matching color (see wiring diagram).
- Plug the female 4-pin GREEN sCH1 connector to the male GREEN connector of crossover cable.
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- Plug male side of each 4-pin SR-CH1 connector to crossover cable, matching color (see wiring diagram).
- Plug the female 4-pin GREEN sCH1 connector to the male WHITE connector of crossover cable.
- Plug the female 4-pin WHITE sCH1 connector to the male GREEN connector of crossover cable.

STEP 4

- Connect the factory radio harness to the SR-CH1 T-harness.

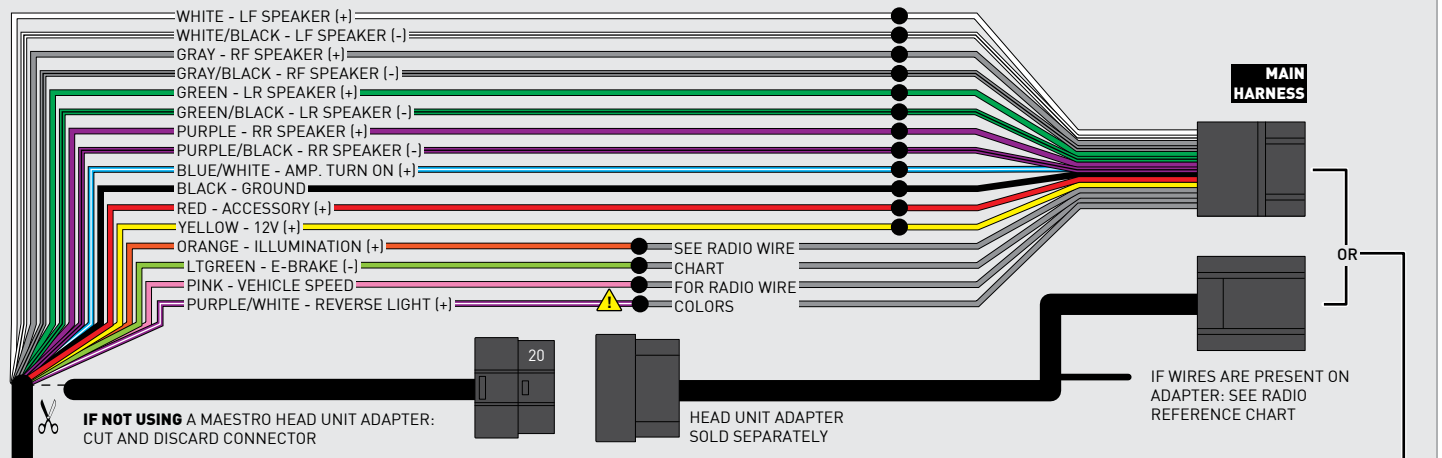
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Test your installation.

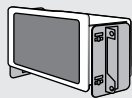
WIRING DIAGRAM

STEP 1



STEP 2

PIONEER RADIO: ENSURE THAT NOTHING IS PLUGGED IN W/R PORT.



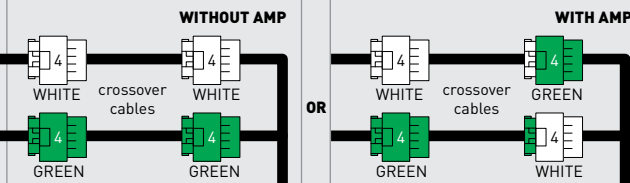
AFTERMARKET RADIO

STEP 3

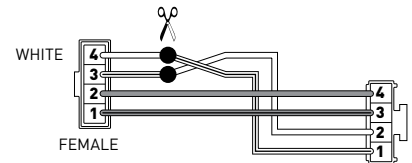
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- 1- MODIFY WHITE CROSSOVER CABLE AS INDICATED TO THE RIGHT.
- 2- CONNECT CROSSOVER CABLES AS SHOWN BELOW.



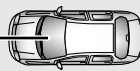
sCH1 v1.00 ONLY : WHITE CROSSOVER CABLE MODIFICATION CUT + FLIP WHITE AND WHITE/BLACK WIRES.



STEP 4

FACTORY RADIO HARNESS

GRAY



AMP TURNON

NC

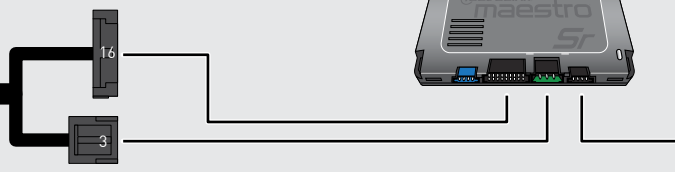
POC1 -

POC2 -

User configurable output - set up during module programming if desired.
Low current negative (~350mA) polarity output used to trigger a relay.

STEP 5

MAESTRO SR MODULE



NOT REQUIRED



RADIO WIRE REFERENCE CHART

CH1 T-harness Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/ JVC cable	Wire Color on Pioneer cable	Wire Color on Sony cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light*	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A

Head unit adapter wiring (optional accessory, sold separately)

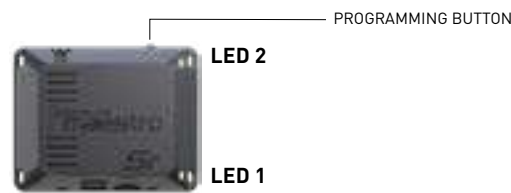
ACC-HU-ALP1 Wire Description	Polarity	Wire Color on Adapter	Alpine Radio
VSS (vehicle speed sensor)	(DATA)	Green/White	Green/White

ACC-HU-KEN1 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
CAM	(+)	Green/Red	Refer to camera/radio manual
CAM	(-)	Green/White	Refer to camera/radio manual
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

ACC-HU-KEN2 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
E-Brake	(-)	LtGreen	LtGreen
Reverse Light*	(+)	Purple/White	Purple/White
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

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

MODULE DIAGNOSTICS



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

TROUBLESHOOTING TABLE

PROBLEM	SOLUTION
When making a phone call you cannot hear the callers but they can hear you.	Switch the 4-pin green and white connectors in the t-harness.
The radio doesn't turn on. LED on the Maestro is not flashing.	Ensure the white and red 2-pin connectors are connected as shown in the diagram. Test for power at the large 3 pin connector of the harness. With it plugged in and vehicle turned on, we should have power on the red and yellow wires.
The light on the Maestro is blinking RED TWICE and the radio IS turning on.	<p>Ensure the 4-pin data cable is connected between the radio and the SR, and that it is plugged into the black port on the Maestro SR. The red and blue ports on the SR should be empty.</p> <p>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.</p>
The light on the Maestro is blinking RED TWICE but the radio is NOT turning on.	<p>If installing a modular radio and it is not turning on, ensure the screen is secured and any trim pieces on the radio have been installed fully. Not installing these fully will prevent radio from powering up and show a 2x red error as well.</p> <p>Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.</p>
No sound.	Ensure blue/white wire from harness is connected to radio's amp turn on output. This is usually blue/white but varies by radio manufacturer. Verify speaker wire connections and 4 pin connectors (green and white).

MAESTRO SR RESET PROCEDURE:

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

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

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