



HOW TO USE THIS INSTALL GUIDE

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

WARNING

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

RETAINS STEERING WHEEL CONTROLS AND MORE!



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**HEAD UNIT
ADAPTER READY**

PRODUCTS REQUIRED

iDatalink Maestro RR Radio Replacement Interface
iDatalink Maestro K150 Dash Kit

PROGRAMMED FIRMWARE: F02-RR-DS

WELCOME

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

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

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

NEED HELP?

☎ 1 866 427-2999

✉ maestro.support@idatalink.com

ADDITIONAL INFORMATION AND ACCESSORIES

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

Radar Detectors



[Radar Installation Guides](#)

Configuring the RR2's Programmable Outputs

[Maestro RR2 Programmable Outputs Guide](#)

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 P1/2

VEHICLE DASH DISASSEMBLY

STEP 1

- On passenger side of the vehicle, open the glove box and push the side tabs toward each other to release glove box. Extract (3) 8mm bolts to release the airbag. (1.1) (1.2)

STEP 2

- Without disconnecting the airbag, push it out far enough to expose the copper-plated 7mm screw on the left side of the airbag and extract it. (1.3)

STEP 3

- Remove the instrument cluster cover by removing (2) 7mm screws. (1.4)

STEP 4

- Remove both side vent covers. (1.4)

STEP 5

- Remove the radio bezel by extracting (2) 7mm screws from the top and (2) 7mm screws from the bottom. (1.5) (1.6)

STEP 6

- Remove (8) 7mm screws from the factory display and radio; Remove both. (1.7)

STEP 7

- Remove the traction control button from the factory radio bezel; It will be relocated to the K150 dash kit. (1.8)

STEP 8

- Remove (2) 7mm screws from pocket on top dash, and remove pocket lifting from the forward edge first. (1.9)

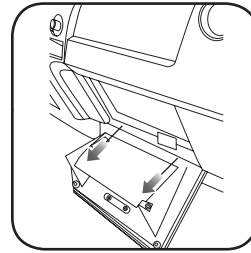


Fig. 1.1

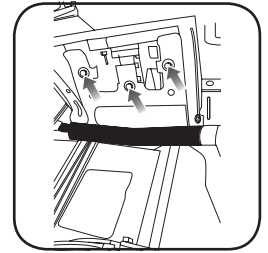


Fig. 1.2

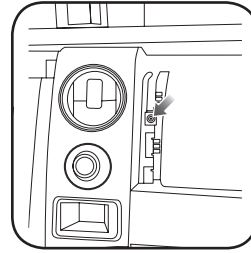


Fig. 1.3



Fig. 1.4

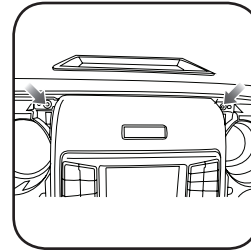


Fig. 1.5

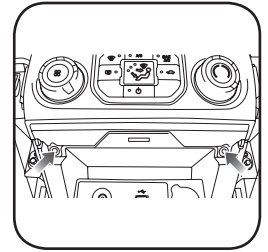


Fig. 1.6

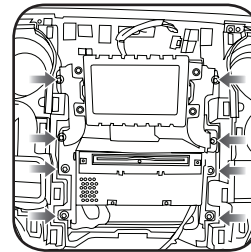


Fig. 1.7



Fig. 1.8

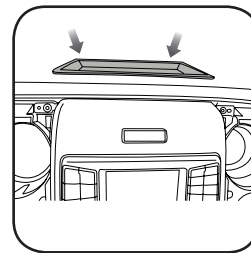


Fig. 1.9

INSTALLATION INSTRUCTIONS P2/2

DASH KIT ASSEMBLY

- Attach the storage pocket to the backside of the K150 dash kit and secure it with the screws included in the kit. [2.1]
- Insert the factory traction control button into the K150 dash kit. [2.2]
- Secure the K150 steel radio brackets to the aftermarket radio using the screws included with the aftermarket radio. [2.3]

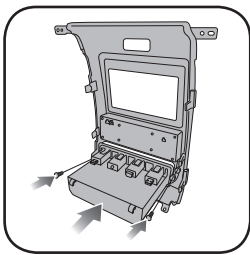


Fig. 2.1

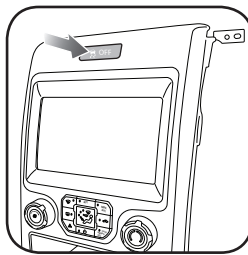


Fig. 2.2

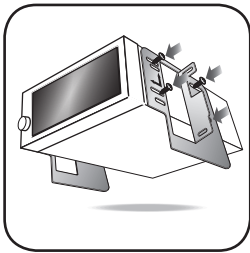


Fig. 2.3

MAKE CONNECTIONS

STEP 1

If using head unit adapter (sold separately), connect HRR-K150 harness to adapter and skip to step 2.

- Unbox the aftermarket radio and locate its main harness.
- Cut and remove the black 20 pin connector from the HRR-K150 T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the HRR-K150 T-harness and match the wire functions.

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

STEP 2

- Connect the K150 T-harness to the factory harness.

- Plug the backup camera cable into the factory harness (if applicable).
- Connect the antenna adapter (if applicable).

STEP 3

Option1-connection at SYNC module

Cut off the black 2-pin connector from the large 54 pin and connect as shown in diagram. Connect red to white/blue (pin 53), and yellow to white (pin 54).

Option2-connection at OBD2 port

Cut off the black 2-pin connector from the large 54 pin, extend and splice the two (2) wires into the back side of the OBD2 port. Connect red to white/blue (pin 6), and yellow to white (pin 14).

Alternatively, if you have an extra OBDII connector from a previous install, you may plug that in and run it down to OBDII port.

STEP 4

- Plug the harnesses into the aftermarket radio.
- Plug the backup camera RCA cable into the aftermarket radio (if applicable).
- Connect the antenna adapter (if applicable).
- Plug the Data cable to the data port of the aftermarket radio (labeled iDatalink).
- Insert the Audio cable into the iDatalink 3.5 mm audio jack of the aftermarket radio (If there is no iDatalink audio input, connect to AUX).

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

STEP 5

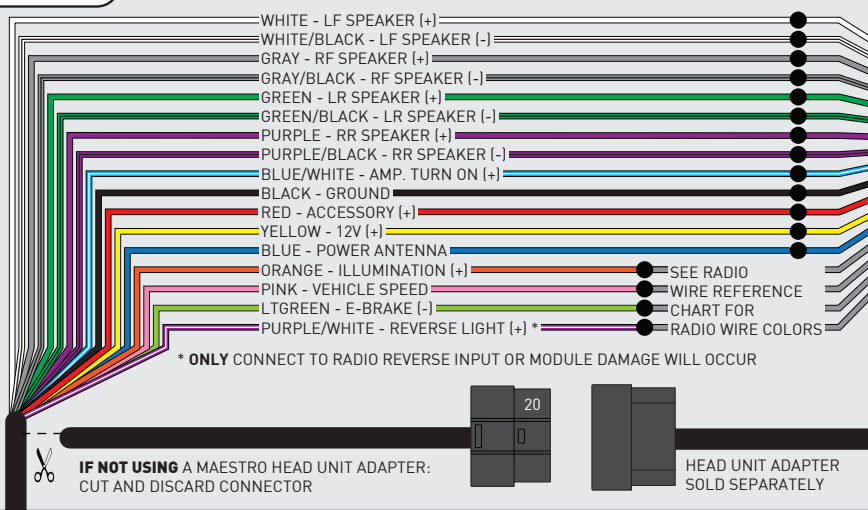
- Connect all the harnesses to the Maestro RR module.
- **If Maestro module is labeled RR (256) 1.0:** Use of GEN 1 red 4-pin cable and adapters is required.
- **All other RR Modules listed RR (512) 2-4** will use GEN 2 red 4-pin cable.

STEP 6

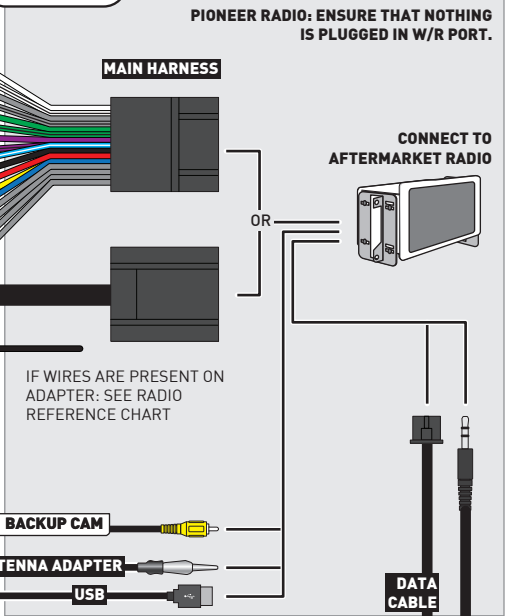
- Connect the harnesses and red 4-pin cable to the K150 dash kit.
- Make connections to K150 pocket being used.
- Secure the K150 kit in the dash and test installation.

WIRING DIAGRAM

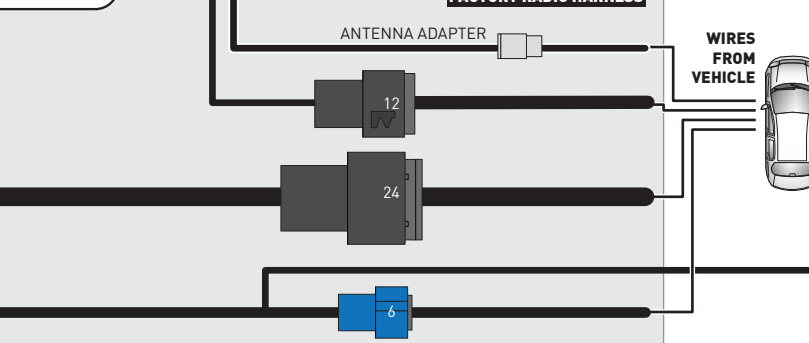
STEP 1



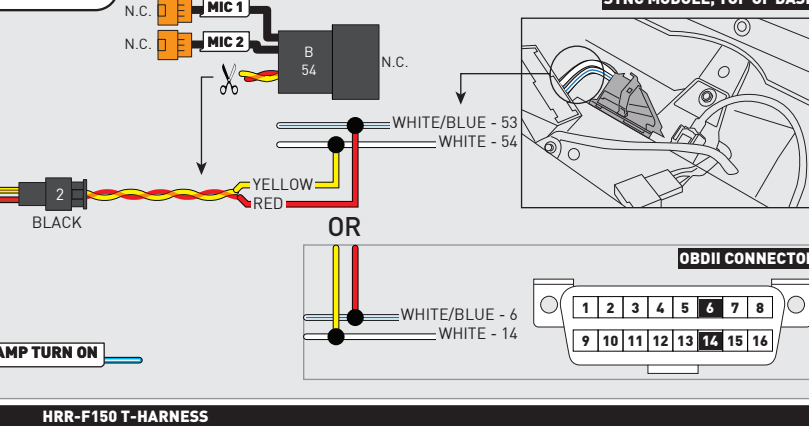
STEP 4



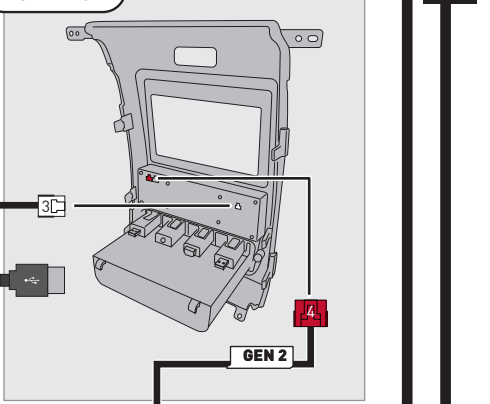
STEP 2



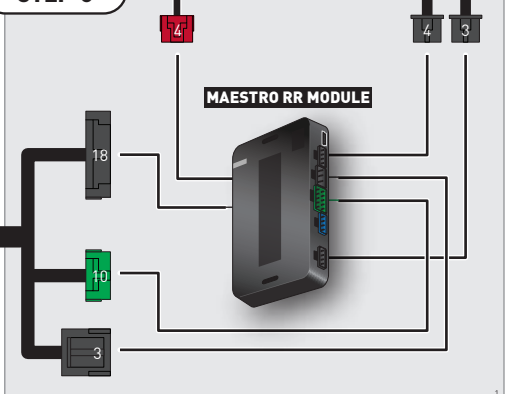
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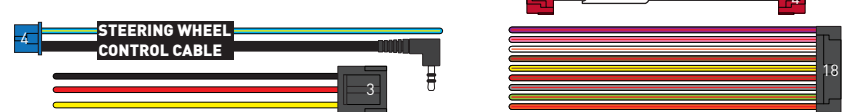
STEP 6



STEP 5



NOT REQUIRED



RADIO WIRE REFERENCE CHART

K150 T-harness Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/ JVC cable	Wire Color on Pioneer cable	Wire Color on Sony cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light*	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A
Power Antenna	(+)	Blue	Blue	Blue	Blue/White	Blue or Blue/White

Head unit adapter wiring (optional accessory, sold separately)

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

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

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

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

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 (RR2) Bluetooth activity	LED STATUS	DIAGNOSTIC
<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
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure SYNC module connector is securely attached to the SYNC connector of the vehicle. If anything else is connected to the OBD2 or CAN wires of vehicle (programmer, throttle controller, insurance tracker, etc.) try unplugging it to see if gauges work. If gauges work without it installed, call tech support for options. Reset the RR.
The radio goes go to the camera screen but there is no image from the backup camera.	Ensure the 12-pin connector from the 4" factory screen is plugged into the 12 pin plug of the F150 T-harness, and that the Backup cam RCA is plugged into the rear camera input of the radio.
The dash panel of the K150 lights up, then turns off after a few seconds. Climate controls are blowing full heat.	Ensure the cable with 4-pin red connectors plugged to the K150 dash panel is labeled GEN 2. During the module programming, ensure you selected K150 as the accessory and not F02.
The light on the Maestro is blinking RED TWICE and the radio IS NOT turning on.	If installing a modular radio and it is not turning on, ensure the screen is secured and any trim pieces on the radio have been installed fully. Not installing these fully will prevent radio from powering up and show a 2x red error as well. Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.
The light on the Maestro is blinking RED TWICE and the radio IS turning on.	Ensure the 4-pin data cable is connected between the radio and the RR, and that it is plugged into the black port on the Maestro RR. The red and blue ports on the RR should be empty. Make sure the correct radio model and serial number were entered during the flash. Verify the radio's serial number entered during the flash matches what is listed on the radio screen. This can be found in the settings of the radio, listed as Device Id, Device Number, or Serial Number.

MAESTRO RR RESET PROCEDURE:

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

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

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

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

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



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**HEAD UNIT
ADAPTER READY**

PRODUCTS REQUIRED

iDataLink Maestro RR Radio Replacement Interface
iDataLink Maestro K150 Dash Kit

PROGRAMMED FIRMWARE: F02-RR-AS

WELCOME

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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 P1/2

VEHICLE DASH DISASSEMBLY

STEP 1

- On passenger side of the vehicle, open the glove box and push the side tabs toward each other to release glove box. Extract (3) 8mm bolts to release the airbag. (1.1) (1.2)

STEP 2

- Without disconnecting the airbag, push it out far enough to expose the copper-plated 7mm screw on the left side of the airbag and extract it. (1.3)

STEP 3

- Remove the instrument cluster cover by removing (2) 7mm screws. (1.4)

STEP 4

- Remove both side vent covers. (1.4)

STEP 5

- Remove the radio bezel by extracting (2) 7mm screws from the top and (2) 7mm screws from the bottom. (1.5) (1.6)

STEP 6

- Remove (8) 7mm screws from the factory display and radio; Remove both. (1.7)

STEP 7

- Remove the traction control button from the factory radio bezel; It will be relocated to the K150 dash kit. (1.8)

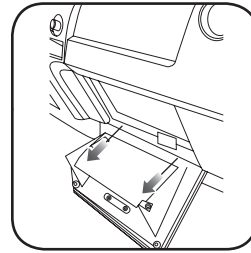


Fig. 1.1

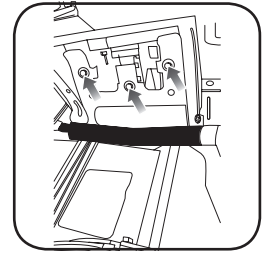


Fig. 1.2

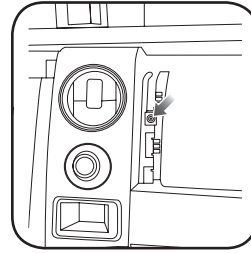


Fig. 1.3



Fig. 1.4

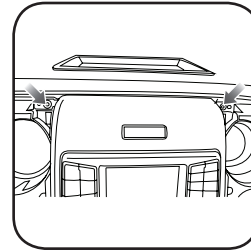


Fig. 1.5

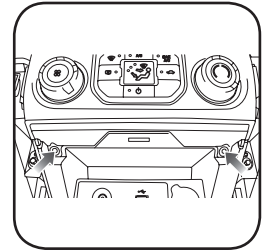


Fig. 1.6

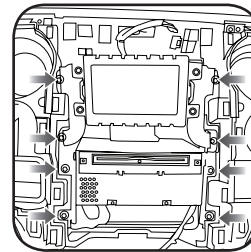


Fig. 1.7



Fig. 1.8

INSTALLATION INSTRUCTIONS P2 / 2

DASH KIT ASSEMBLY

- Attach the storage pocket to the backside of the K150 dash kit and secure it with the screws included in the kit. [2.1]
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- Secure the K150 steel radio brackets to the aftermarket radio using the screws included with the aftermarket radio. [2.3]

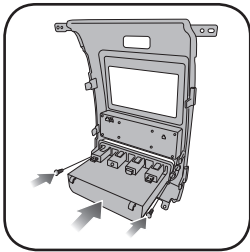


Fig. 2.1

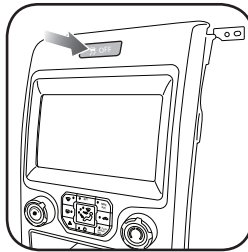


Fig. 2.2

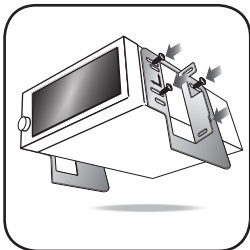


Fig. 2.3

MAKE CONNECTIONS

STEP 1

If using head unit adapter (sold separately), connect HRR-K150 harness to adapter and skip to step 2.

- Unbox the aftermarket radio and locate its main harness.
- Cut and remove the black 20 pin connector from the HRR-K150 T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the HRR-K150 T-harness and match the wire functions.

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

STEP 2

- Connect the K150 T-harness to the factory harness.
- Plug the backup camera cable into the factory harness (if applicable).
- Connect the antenna adapter (if applicable).

STEP 3

- Plug the harnesses into the aftermarket radio.
- Plug the backup camera RCA cable into the aftermarket radio (if applicable).
- Connect the antenna adapter (if applicable).
- 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 4

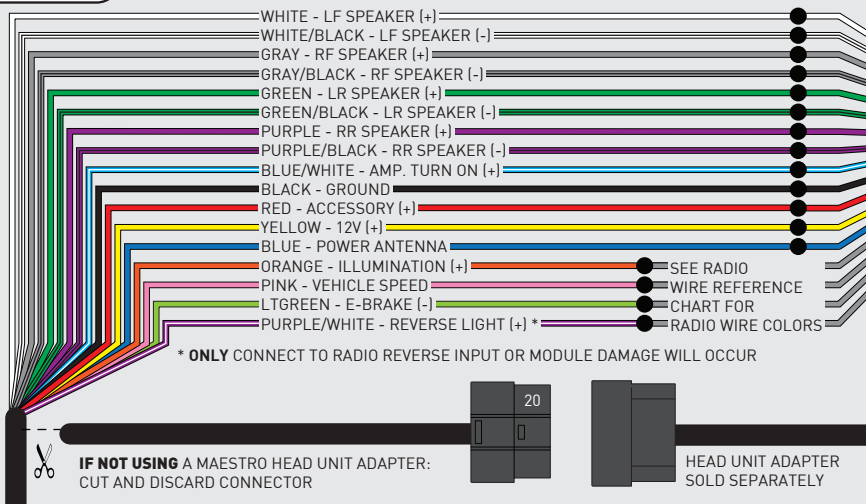
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- **If Maestro module is labeled RR (256) 1.0:** Use of GEN 1 red 4-pin cable and adapters is required.
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STEP 5

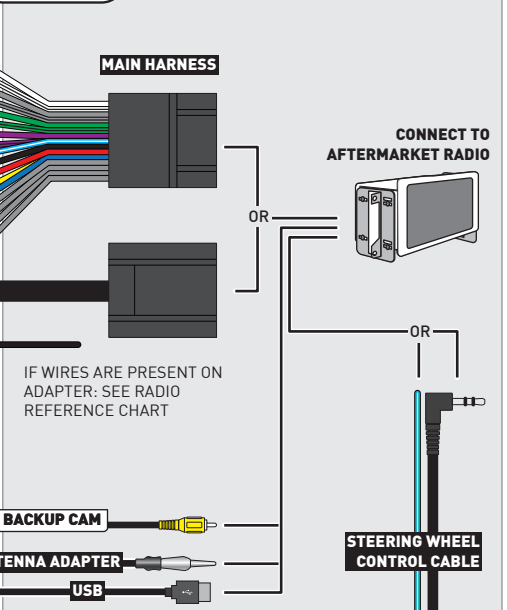
- Connect the harnesses and red 4-pin cable to the K150 dash kit.
- Make connections to K150 pocket being used.
- Secure the K150 kit in the dash and test installation.

WIRING DIAGRAM

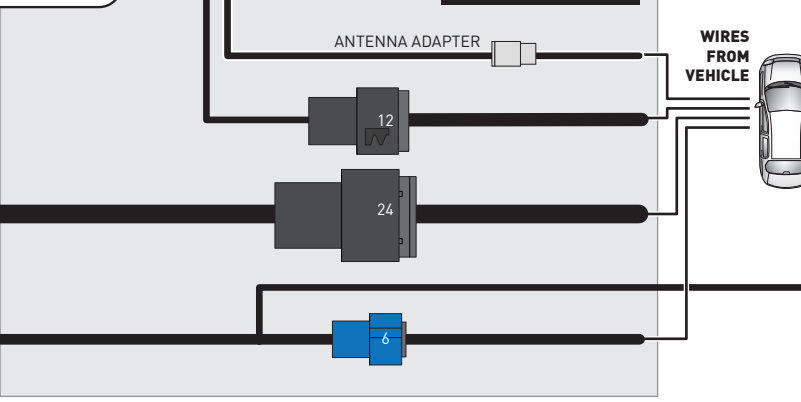
STEP 1



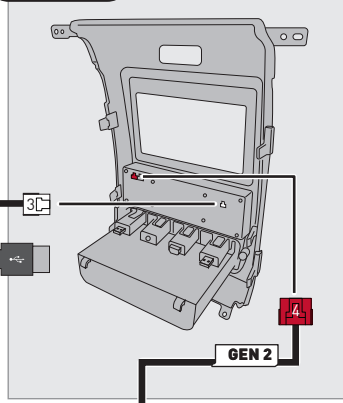
STEP 3



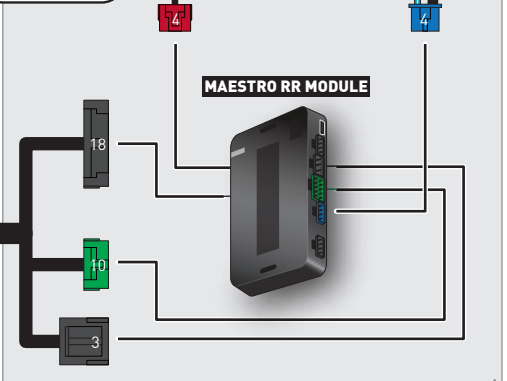
STEP 2



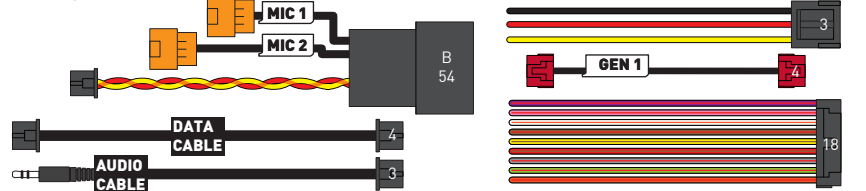
STEP 5



STEP 4



NOT REQUIRED



RADIO WIRE REFERENCE CHART

K150 T-harness Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/ JVC cable	Wire Color on Pioneer cable	Wire Color on Sony cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light*	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A
Power Antenna	(+)	Blue	Blue	Blue	Blue/White	Blue or Blue/White

* 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 (RR2) 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>		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
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>
Radio does not turn on.	<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>
The radio goes go to the camera screen but there is no image from the backup camera.	<p>Ensure the 12-pin connector from the 4" factory screen is plugged into the 12 pin plug of the F150 T-harness, and that the Backup cam RCA is plugged into the rear camera input of the radio.</p>
The dash panel of the K150 lights up, then turns off after a few seconds. Climate controls are blowing full heat.	<p>Ensure the cable with 4-pin red connectors plugged to the K150 dash panel is labeled GEN 2.</p> <p>During the module programming, ensure you selected K150 as the accessory and not F02.</p>

MAESTRO RR RESET PROCEDURE:

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

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

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

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

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