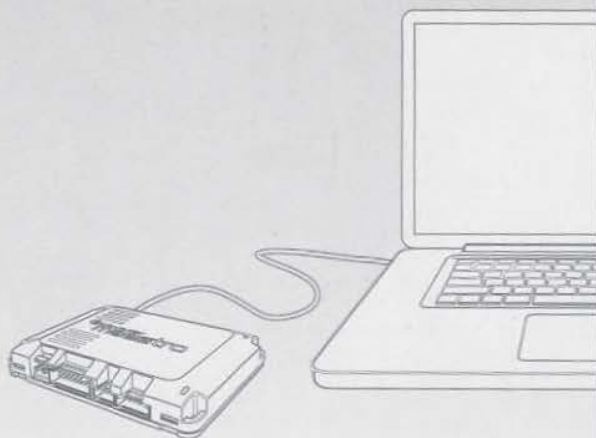




SW | AR | AR | SW HD

QUICK START GUIDE



FOLLOW THE WEB PROGRAMMING
STEPS INSIDE PRIOR TO INSTALLATION.



WEB PROGRAMMING

1- INSTALL THE WEBLINK DESKTOP APPLICATION

Go to www.idatalinkmaestro.com/plugin, select your software version (Mac or PC) and follow the installation steps. Be sure to review the system requirements before installing.

2- REGISTER A WEBLINK ACCOUNT

Once installed, complete the Weblink registration process and log into Weblink.

3- CONNECT THE MODULE TO YOUR COMPUTER

Use the included USB cable to connect your iDatalink Maestro module to your computer.

4- WEBLINK PROGRAMMING

Follow the programming steps until your module is flashed, then download your install guide and owner's manual if applicable.

5- COMPLETE VEHICLE-SPECIFIC INSTALLATION

Follow the steps in your install guide and complete the installation. ADS recommends having your iDatalink Maestro device installed by a certified technician. **Additional accessories may be required and sold separately.**



TECHNICAL SUPPORT

877.212.6169

idatalinkmaestro.com

LIMITED 1-YEAR WARRANTY

Automotive Data Solutions Inc. ("ADS") warrants to the original purchaser of the product that the following components product shall be free of defects in material and workmanship under normal use and circumstances for the period of one (1) year from the date of original installation.

"Authorized Dealer" is defined by ADS as a company who qualifies to purchase products directly from ADS, or one of its approved distributors. Thus, products not sold nor installed by an Authorized Dealer are not covered by this warranty. This includes, but is not limited to, ADS products sold on Amazon.com, eBay.com, Walmart.com and Newegg.com. To find an authorized retailer near you, visit <http://maestro.idatalink.com/find-product>.

In the event of any product malfunction during the Warranty period, the original purchaser must return to the Authorized Dealer where it was originally purchased with the original proof of purchase. If a malfunction is detected, the Authorized Dealer will elect to repair or replace the product at its discretion. Labor costs may be applicable and are at the discretion of the Authorized Dealer.

ADS is not responsible for any damages whatsoever, including but not limited to any consequential damages, incidental damages, damages for loss of time, loss of earnings, commercial loss, loss of economic opportunity and the like that may or may not have resulted from the installation or operation of an iDatalink Maestro product.



TECHNICAL SUPPORT

877.212.6169

idatalinkmaestro.com

INSTALL GUIDE

CH3-RR-DS-(APX-FL-JL1)-EN

2018-2023 JEEP WRANGLER JL
2020-2023 JEEP GLADIATOR

RETAINS STEERING WHEEL CONTROLS AND MORE!



HEAD UNIT
ADAPTER READY

PRODUCTS REQUIRED

iDatalink Maestro RR Radio Replacement Interface
iDatalink Maestro APX-FL-JL1 Dash Kit
Kenwood APX radios

PROGRAMMED FIRMWARE: CH3-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

Installation, product information, vehicle specific videos.

[VIDEO HELP](#)



Last flash information, steering control configuration, vehicle information.

[VERIFY FLASH](#)



Software to program module.

[WEBLINK](#)



HEAD UNIT ADAPTER:
ACC-HU-KEN1

MIC1
(Factory microphone interface module)

SAT1, SAT2
(Antenna adapter)

NAV1
(Navigation antenna adapter)

Radar Detectors



[Radar Installation Guides](#)

APX-FL-JL1 COMPONENTS

QUICK START GUIDE



3MVBH
for mounting RR/RR2 module.



SM5-6P*4
4x (M5 6mm screw)



SM5-25S*4
4x (M5 25mm socket head screw)



SM5-8S*4
4x (M5 8mm socket head screw)



SM5-35S*4
4x (M5 35mm socket head screw)



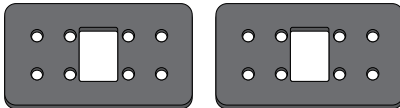
Hexagonal tool



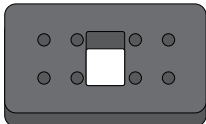
Maestro panel removal tool



2x 5mm SPACER

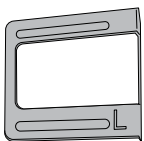


SCREEN MOUNTING BLOCK

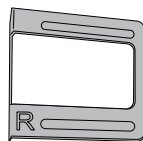


RADIO CHASSIS BRACKETS

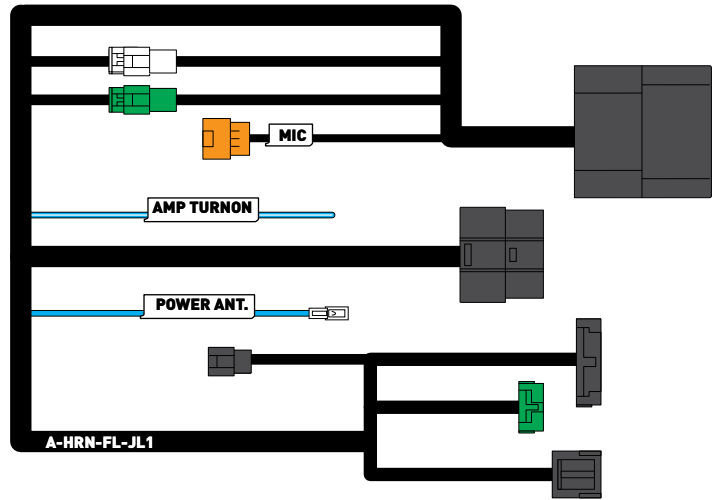
LEFT (L)



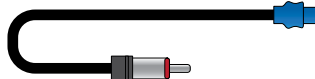
RIGHT (R)



MAIN HARNESS A-HRN-FL-JL1



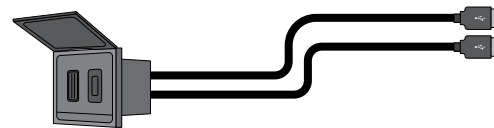
AM/FM ANTENNA ADAPTER



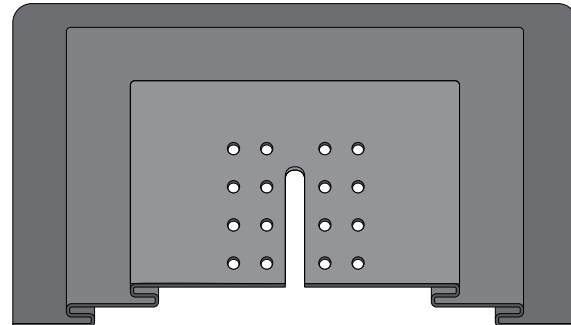
CAN EXTENSION HARNESS



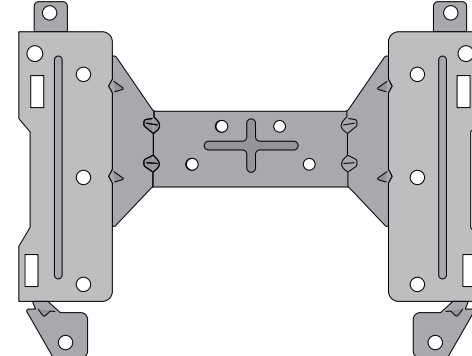
MEDIA HUB



REAR SCREEN COVER PLATE (RUBBER)



MAIN BRACKET



VEHICLE LIST

MAKE	MODEL *	TRIM	YEAR	INSTALL TYPE	NOTE
JEEP	Gladiator		20-23	01	
	Wrangler JL		18-23	01	

* Click on your model to go to the related install type instruction page.

DASH DISASSEMBLY P1 /1

INSTALL TYPE-01

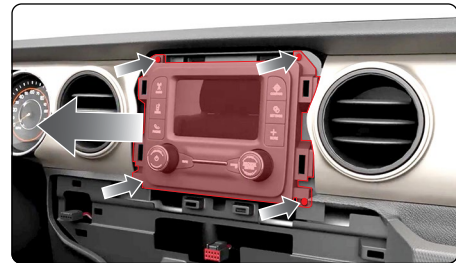
1. Using a panel tool, carefully pry outward on the climate control panel to release the clips securing it in place. Then disconnect the wiring harnesses from the back.



2. Remove the two (2) Phillips screws at the base of the radio trim. Then, using a panel tool, pry outward to release the clips securing it in place.

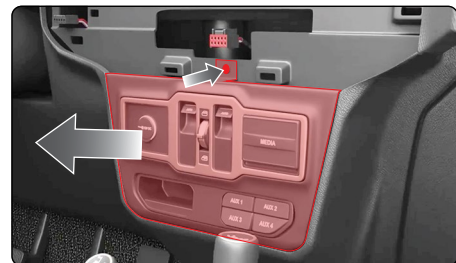


3. Remove the four (4) Phillips screws securing the radio into the dash. Remove the factory radio from the dash. Disconnect the main wiring harness, antenna connections, and USB from the back.

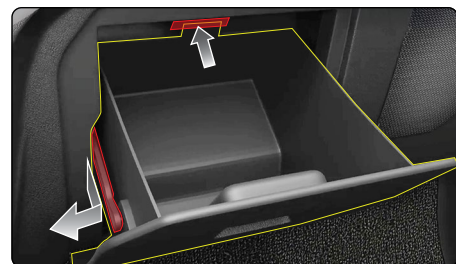


4. Remove the one (1) Phillips screw securing the lower dash panel. Then, using a panel tool, pry outward to release the clips securing it in place.

Disconnect the wiring harnesses and USB connections from the back.



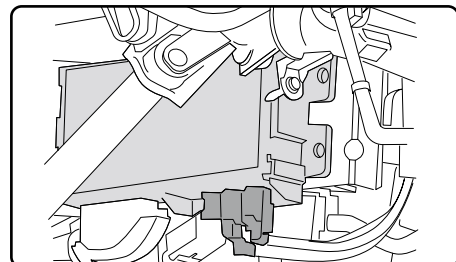
5. Open the glove box, press the upper stop tab to allow the glove box to pass it. Slide the control arm forward and out to release it. Firmly pull outward on the glove box to release the lower clips securing it to the vehicle.



2023 vehicle with SOS / 911 assist only

6. Telematics module (right side of the steering column) is not retained and must be unplugged at this time

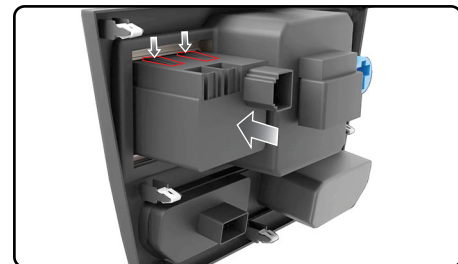
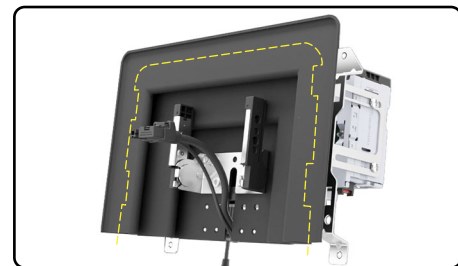
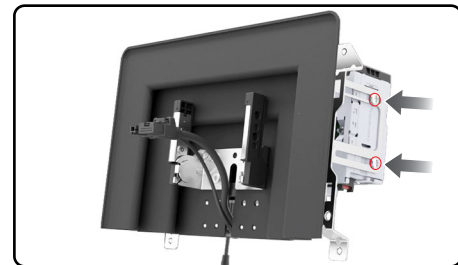
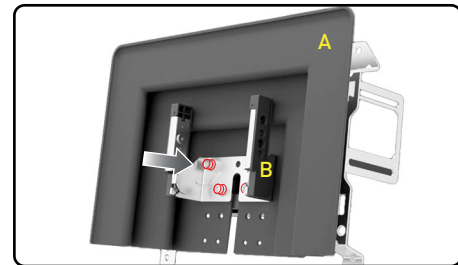
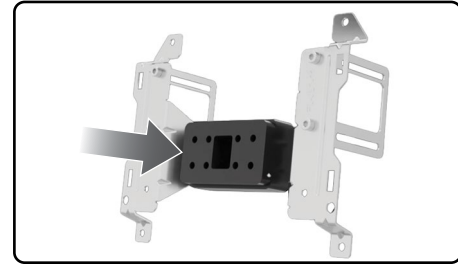
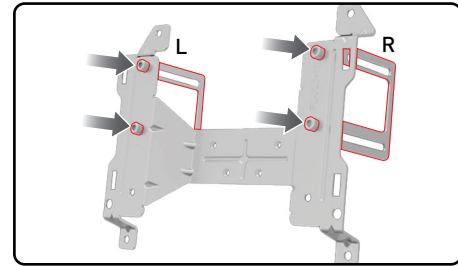
Remove the steering shroud and unplug this module. Failure to do so will result in SOS and 911 assist lights being on in the vehicle.



DASH KIT ASSEMBLY P1 /1

INSTALL TYPE-01

1. Secure the metal mounting brackets to the main FL-JL1 bracket with the four (4) M5 screws.
2. Place the plastic mounting block onto the metal bracket. Use the optional spacers to position the screen at the desired distance. Use the SM5-25S*4 M5 bolts if no spacers or the SM5-35S*4 bolts if using spacers.
3. Position the rubber cover (A) panel onto the bracket. Position the 10" radio bracket (B) on to the rubber cover panel. Then, secure the bracket with the four (4) M5 screws and washers.
4. Rotate the radio brain to the vertical position and slide it into the bracket. Then, secure it with the hardware provided with the radio.
5. Trim the rubber cover panel to fit the radio bezel. We recommend doing this once installed into the vehicle.
6. Remove the factory media hub adapter by pressing down on the four (4) clips securing it into the lower dash panel. Next, install the media hub adapter into the lower dash panel making sure the clips snap into place.



INSTALL AND CONNECT P1 /2

INSTALL TYPE-01

1. Determine if the vehicle has a factory amplifier and configure FL-JL1 green and white connectors as shown in the wiring diagram.

Connect the FL-JL1 harness to the main factory wiring harness, then connect the Maestro module. Connect the 4-Pin black data cable provided with the Maestro module to the BLACK 4-pin port on the Maestro module.

2. Route the 2-pin CAN extension harness from the glove box to radio location and connect it to the FL-JL1 T-Harness.

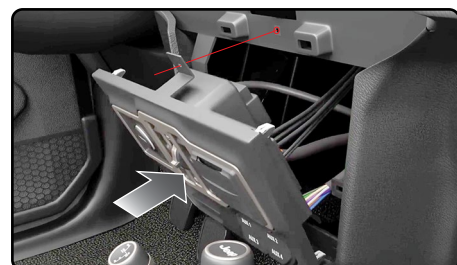
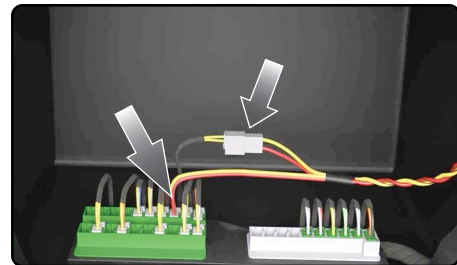
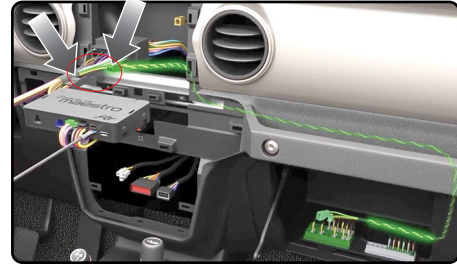
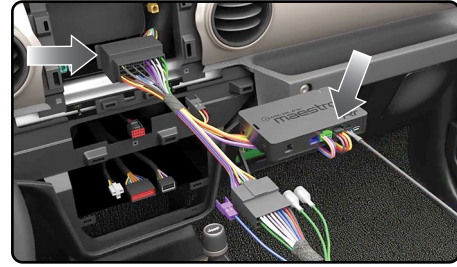
3. Locate the green CAN junction block in the glove box cavity. Disconnect any of the 2-Pin connectors and connect it to the 2-Pin white female plug. Connect the male end back into the junction block.

4. Connect the supplied antenna adapter to the factory antenna connection.

Press the FL-JL1 T-harness, Maestro module and antenna adapter into the radio dash cavity.

5. You will need to install the Bluetooth microphone and GPS antenna to their recommended locations by the radio manufacturer OR use the optional MIC1 and NAV1 to retain the factory Microphone and GPS antenna (if equipped).

6. Route the media adapter connections to the back of the radio cavity. Reconnect the three (3) connectors to the back of the lower dash panel. Then snap it into the dash and secure it with the single (1) Phillips screw.



INSTALL AND CONNECT P2/2

INSTALL TYPE-01

7. Make all connections to the back of the aftermarket radio (use head unit adapter OR cut connector from the FL-JL1 harness and connect the wires as shown in the wiring diagram). Make sure to connect the 4-pin data cable to the iDatalink I/F port.

Press the FL-JL1 bracket and radio chassis into the dash cavity. Then, secure it with the four (4) Phillips screws removed earlier.

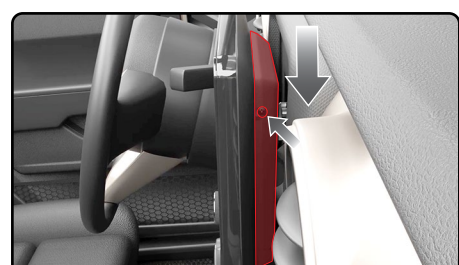
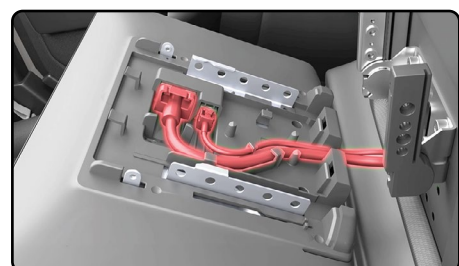
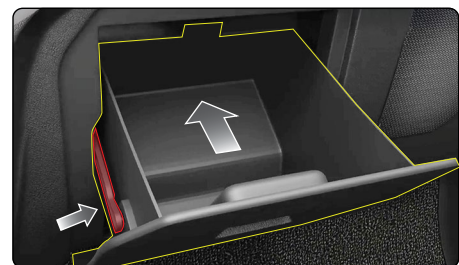
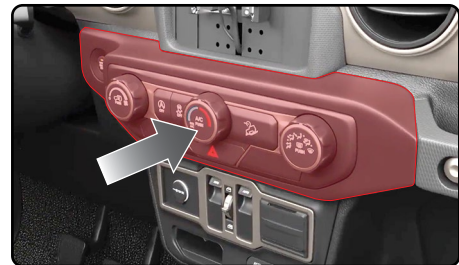
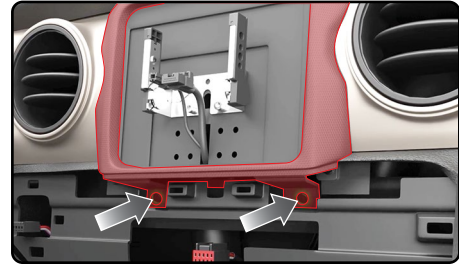
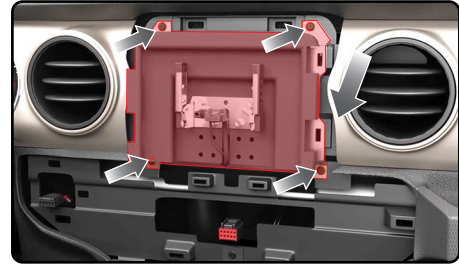
8. Reinstall the factory radio bezel into the dash making sure the clips snap into place. Then secure it with the two (2) Phillips screws removed earlier.

9. Reconnect the climate control panel and snap it into place.

10. Reinstall the glove box making sure the two (2) lower clips are snapped in place. Then, reconnect the control arm and lift the glove box back in place.

11. Connect the display cables to the back of the screen. Then, secure it to the bracket with the hardware supplied with the radio.

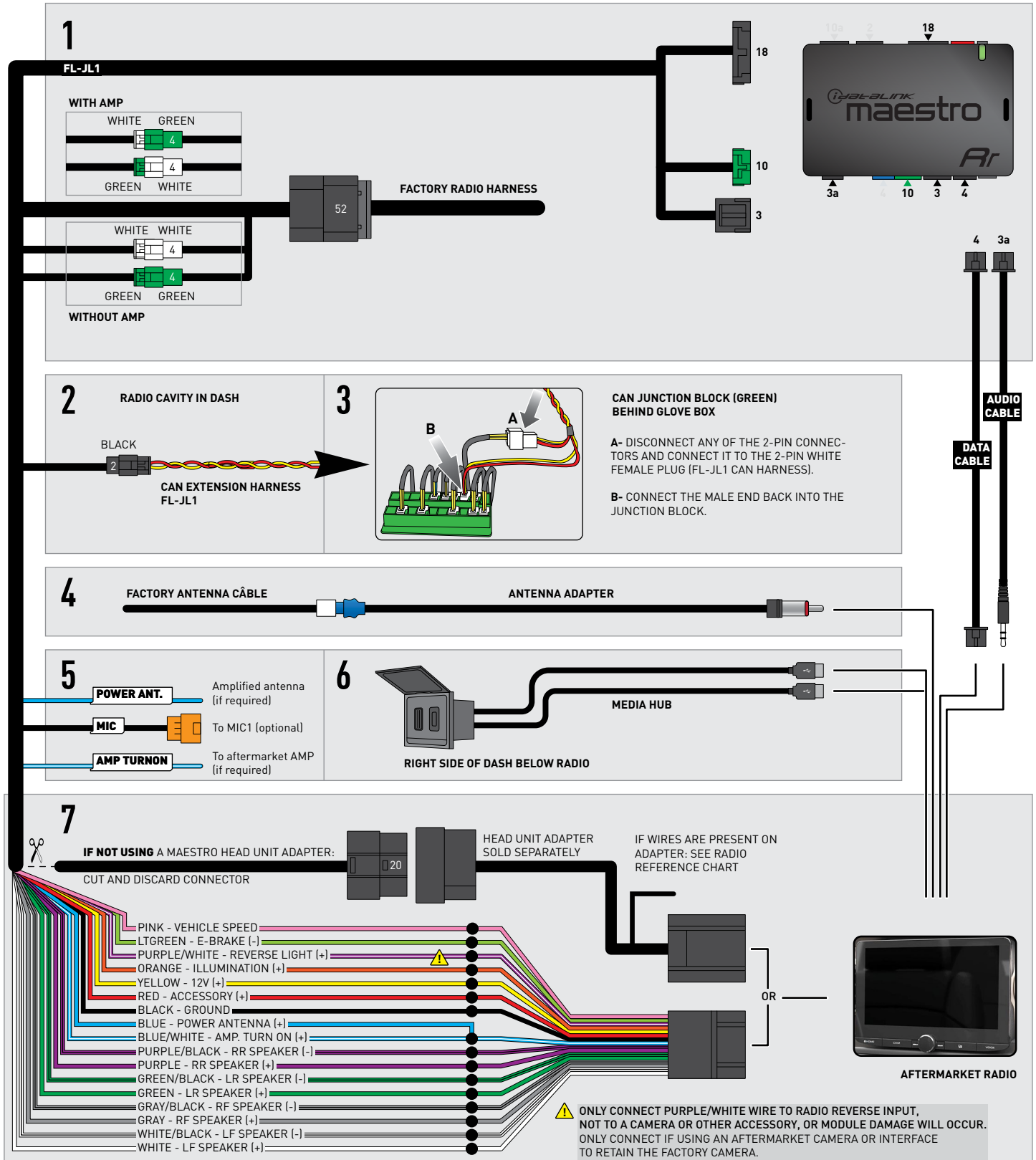
12. Slide the back cover in to place and secure it with the two (2) Phillips screws provided with the radio.



WIRING DIAGRAM

INSTALL TYPE-01

SOME CABLES INCLUDED WITH MAESTRO MODULE ARE NOT USED



RADIO WIRE REFERENCE CHART

FL-JL1 T-harness Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Kenwood cable
Illumination	(+)	Orange	Orange/White
Reverse Light*	(+)	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Lt Green
VSS (vehicle speed sensor)	(DATA)	Pink	Pink
Power Antenna	(+)	Blue	Blue

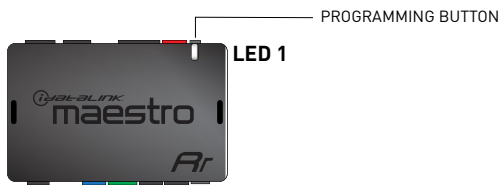
***Note:** REVERSE LIGHT purple/white wire is a low current positive output used to trigger the radio only. Do NOT connect to anything other than the radio's reverse input.

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.

Head unit adapter wiring (optional accessory, sold separately)

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

MODULE DIAGNOSTICS



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

TROUBLESHOOTING TABLE

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure the 2-pin CAN extension harness is securely attached to the green CAN junction block behind glove box. Reset the RR.
When making a phone call you cannot hear the call, but the caller can hear you.	Make sure that the 4-pin green and white connectors in the harness are plugged in correctly as stated in step 1.
The radio doesn't turn ON at all.	If you have a multimeter, turn the key on and check for DC voltage at the maestro's heavy gauge 3-pin plug (red, yellow, and black wires). The Maestro must be plugged in to get an accurate measurement. If there is 12 volts on the red and yellow, the Maestro is working correctly and sending power out to turn on the radio. If no voltage on either, check the inline fuse and then the vehicle's fuse for the radio circuit. If front speakers have been replaced, ensure the wiring harness on the left front speaker assembly has been reconnected. CAN passes through this connector to get to the radio.
The radio illumination or other functionality isn't working.	Ensure the 2-pin CAN extension harness is securely attached to the green CAN junction block behind glove box.
The light on the Maestro is blinking RED TWICE and the radio IS turning on.	Ensure the 4-pin data cable is connected between the radio and the RR, and that it is plugged into the black port on the Maestro RR. The red and blue ports on the RR should be empty. Make sure the correct radio model and serial number were entered during the flash. Verify the radio's serial number entered during the flash matches what is listed on the radio screen. This can be found in the settings of the radio, listed as Device Id, Device Number, or Serial Number.
The light on the Maestro is blinking RED TWICE but radio is NOT turning on.	If radio is not turning on, ensure the screen cables are fully connected and seated.

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.