maestro Rr

HOW TO USE THIS INSTALL GUIDE

1 Open the Bookmarks menu and find your vehicle OR scroll down until you find the install guide for your vehicle.

2 Print only the pages for your vehicle using the advanced options in the Print menu.

3 Install your Maestro RR according to the guide for your vehicle.

WARNING

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

RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER, AND MORE!

+

HEAD UNIT
ADAPTER READY

PRODUCTS REQUIRED	PROGRAMMED FIRMWARE: F02D-RR-DS
iDatalink Maestro RR Radio Replacement Interface	
iDatalink Maestro FLX1 Dash Kit	

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.

ADDITIONAL INFORMATION AND ACCESSORIES

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

Radar Detectors

K40 ELECTRONICS
ESCORT®

Radar Installation Guides

Installation, product information, vehicle specific videos.

VIDEO HELP

Last flash information, steering control configuration, vehicle information.

VERIFY FLASH

Software to program module.

WEBLINK

NEED HELP?

📞 1 866 427-2999

✉ maestro.support@idatalink.com

INSTALLATION INSTRUCTIONS P1/3

DASH DISASSEMBLY

1. Open center console. Engage parking brake and move shifter into drive.
   Using a panel tool, pry up on the back of the console trim to release clips, pull back to release front clips. Disconnect harnesses and remove. (Fig. 1.1)

2. Using a panel tool, pry outwards to release the clips securing the upper dash trim panel. (Fig. 1.2)

3. Remove the four 7mm screws securing the radio bezel. (Fig. 1.3)

4. Using a panel tool, pry outwards to release the clips securing the center console side trim, then remove the single (1) 7mm screw located at the front edge of console. Repeat the steps for the driver side console. (Fig. 1.4)

5. Firmly pull outward on the radio bezel to release clips securing it to dash, then disconnect harness and remove. (Fig. 1.5)

6. Remove the four 7mm screws securing the radio display. Disconnect the wire harness and remove the display. Remove the four 7mm screws securing the CD player, disconnect the wiring harnesses and remove the CD player. (Fig. 1.6)

7. To make room for the aftermarket radio, a section of the subdash must be removed. Using a cutting tool, remove the highlighted section. (Fig. 1.7)

8. Remove the nine (9) T25 Torx screws securing the radio bezel to the dash assembly and remove bezel. (Fig. 1.8, 1.9)

Fig. 1.2

Fig. 1.3

Fig. 1.4

Fig. 1.5

Fig. 1.6

Fig. 1.7

Fig. 1.8

Fig. 1.9

Fig. 1.1
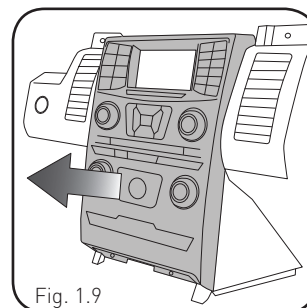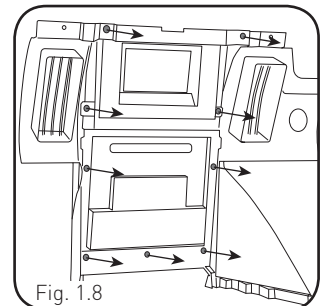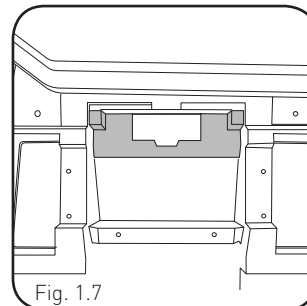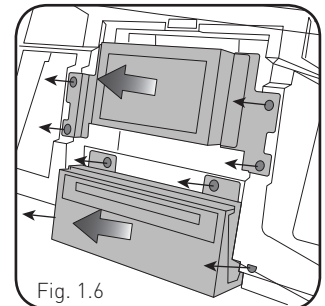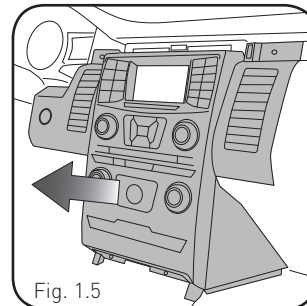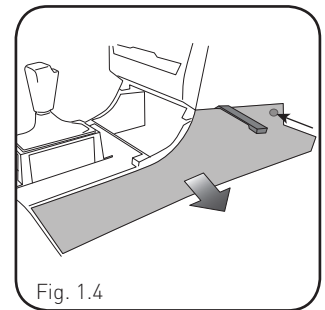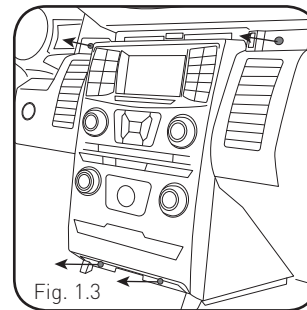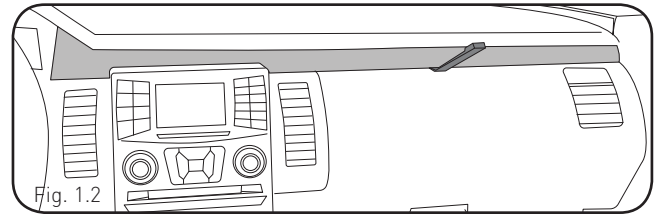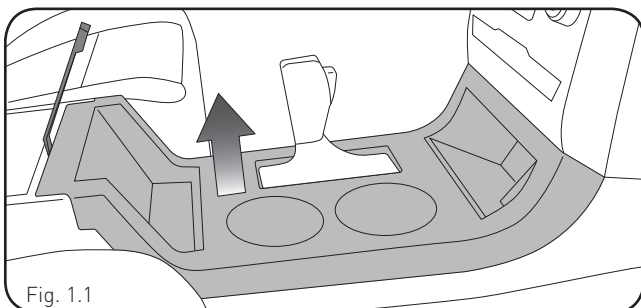
INSTALLATION INSTRUCTIONS _{P2 /3}

KIT ASSEMBLY

1. Locate and install desired pocket inserts (USB, AUX, USB-C). (Fig. 2.1)

2. Install pocket mounting brackets using the two (2) supplied Phillips screws. (Fig. 2.2)

3. Mount the storage pocket to the FLX1 bezel using the four (4) Phillips screws provided. (Fig. 2.3)

4. Place the FLX1 dash bezel into factory dash trim and secure with nine (9) T25 Torx screws removed earlier. (Fig. 2.4, 2.5)

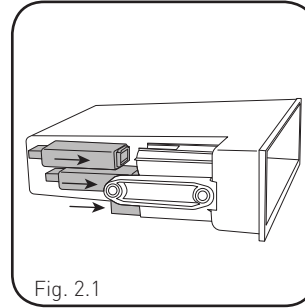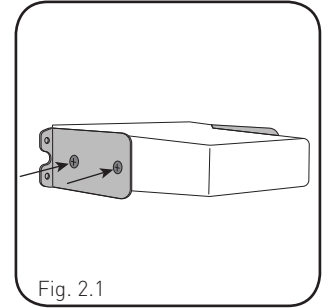5. Place the FLX1 radio brackets onto the aftermarket radio. Secure with hardware provided with the radio. (Fig. 2.6)
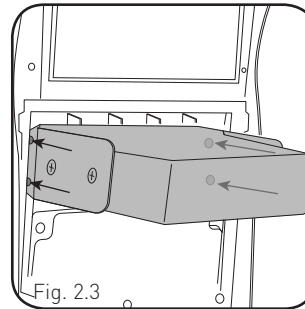

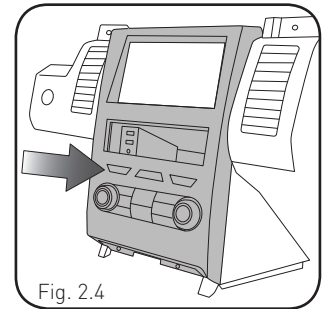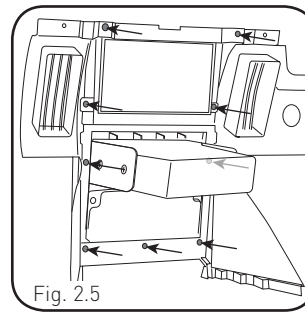Fig. 2.1

Fig. 2.1

Fig. 2.3

Fig. 2.4

Fig. 2.5

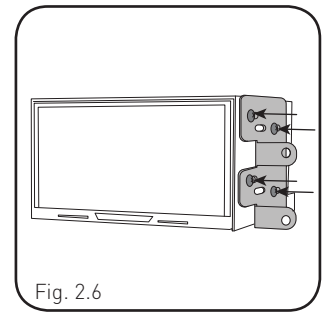Fig. 2.6

INSTALLATION INSTRUCTIONS P3 /3

MAKE CONNECTIONS (refer to wiring diagram)

Harnesses identified as *A, B, C,* etc. are referring to the first letter on the white label on the harness that will read ¨*A-HRN-KIT*,¨ ¨*B-HRN-KIT*,¨ etc. for the rest of this guide.

1. **If using head unit adapter (sold separately), connect *A* harness to adapter and skip to step 2.**

   • Locate aftermarket radio's main harness.
   • Cut and remove the black 20 pin connector from the *A* harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the *A* 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.

2. Connect the *A* harness to the vehicle's main wiring harness at the CD player location.

   • Connect the supplied antenna adapter to the black factory antenna connection.
   • Connect the *B* harness to the factory display harness.
   • Connect plug *C* to the factory climate harness.

3. Route and connect the *D* harness to the OBD2 port, under driver's dash. Connect the black 2-pin plug to the 2-pin black on the *A* harness.

4. Connect Maestro module to *A* harness (10-pin green, 3-pin black, and 18-pin black connectors).

   • Connect the 4-pin black data cable and 3-pin black audio cable to the Maestro module (these cables are included in the module package).

5. Secure the harnesses and the Maestro module in the dash cavity. Route any USB / AUX cables from the radio cavity to the lower area of the dash opening.

6. Make all connections to the aftermarket radio.
   Connect the 4-pin black data cable to the 4-pin black or white iDatalink I/F port on the radio.

Connect the 3-pin audio cable to the I/F port or AUX IN (if no I/F port present).

Note: When using a Pioneer radio, please ensure that there is nothing plugged into the W/R port of the radio.

7. Place radio in dash cavity and secure with the four 7mm screws removed earlier. (Fig. 3.1)

8. Engage the parking brake and place shifter into drive to make room to reinstall radio bezel.
   Connect the USB / AUX cables to the pocket and connect the climate harness *C* to the FLX1 bezel climate control plug.

9. Press the FLX1 kit into place and secure it with the four 7mm screws removed earlier.

10. Reinstall the side and trim panels.

Fig. 3.1
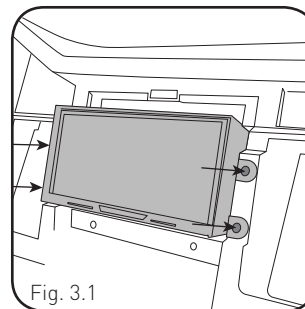
WIRING DIAGRAM

N.C. = NOT CONNECTED

STEP 1
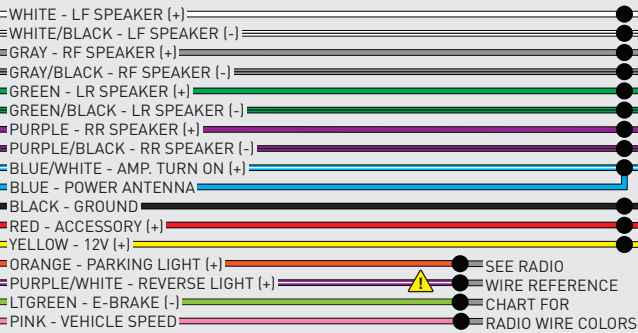
STEP 6

PIONEER RADIO: ENSURE THAT NOTHING IS PLUGGED IN W/R PORT.

WHITE - LF SPEAKER (+)
WHITE/BLACK - LF SPEAKER (-)
GRAY - RF SPEAKER (+)
GRAY/BLACK - RF SPEAKER (-)
GREEN - LR SPEAKER (+)
GREEN/BLACK - LR SPEAKER (-)
PURPLE - RR SPEAKER (+)
PURPLE/BLACK - RR SPEAKER (-)
BLUE/WHITE - AMP. TURN ON (+)
BLUE - POWER ANTENNA
BLACK - GROUND
RED - ACCESSORY (+)
YELLOW - 12V (+)
ORANGE - PARKING LIGHT (+)
PURPLE/WHITE - REVERSE LIGHT (+)
LTGREEN - E-BRAKE (-)
PINK - VEHICLE SPEED

MAIN HARNESS

CONNECT TO AFTERMARKET RADIO

OR

SEE RADIO
WIRE REFERENCE
CHART FOR
RADIO WIRE COLORS

IF WIRES ARE PRESENT ON ADAPTER: SEE RADIO REFERENCE CHART

✂ **IF NOT USING** A MAESTRO HEAD UNIT ADAPTER: CUT AND DISCARD CONNECTOR

HEAD UNIT ADAPTER SOLD SEPARATELY

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

BACKUP CAM
ANTENNA ADAPTER
AUX
USB

DATA CABLE

STEP 2

RADIO CAVITY

AUDIO CABLE

ANTENNA ADAPTER

STEP 8

B

12

FACTORY DISPLAY HARNESS

WIRES FROM VEHICLE

A

24

FACTORY RADIO HARNESS

6

CLIMATE CONTRÔL HARNESS

6

C

STEP 3

OBDII CONNECTOR

4   3a

2   D   C 16

STEP 4

18

18

AMP TURNON   NC

FLX1 T-HARNESS

10

NOT REQUIRED

STEERING WHEEL CONTROL CABLE   4

3   3

18

3a   10   3   4

RADIO WIRE REFERENCE CHART

FLX1 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

PROGRAMMING BUTTON

LED 1

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 OBDII connector is securely attached to the OBD2 connector of the vehicle. If you hardwired connections at the OBDII, check connections at the OBDII connector. Make sure the **RED/BROWN** wire is on **PIN 6** and the **YELLOW/BROWN** wire is connected to **PIN 14** of the OBDII connector. Do not use T-Taps. Soldering or military splicing methods are recommended. If anything else is connected to the OBD2 or CAN wires of vehicle (programmer, throttle controller, insurance tracker, etc.) try unplugging it to see if gauges work. If gauges work without it installed, call tech support for options. Reset the RR.
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.
Backup camera not displaying when shifting to reverse, but displays via radio's camera view mode.	Verify purple/white wire is connected from FLX1 harness to radio's purple/white and the radio's reverse interrupt setting is not disabled.
Backup camera not displaying, but radio does switch to a blank screen when in reverse.	Verify that B harness is connected as shown and backup cam RCA is in the correct R.CAM or REVERSE RCA input on radio. On Pioneer radios, this is often a BROWN RCA connector.

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.