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.

NOTICE: Automotive Data Solutions Inc. (ADS) recommends having this installation performed by a certified technician. Logos and trademarks used here in are the properties of their respective owners.
INSTALL GUIDE
FORD ECONOLINE
2008-2014
RETAINS STEERING WHEEL CONTROLS
SYNC VOICE COMMANDS, SYNC BLUETOOTH,
SIRIUS SATELLITE AND MORE!

PRODUCTS REQUIRED
iDatalink Maestro RR Radio Replacement Interface
iDatalink Maestro F01 Installation Harness

OPTIONAL ACCESSORIES
None

PROGRAMMED Firmware
ADS-RR(SR)-FOR01-DS2

NOTICE: Automotive Data Solutions Inc. (ADS) recommends having this installation performed by a certified technician. Logos and trademarks used here in are the properties of their respective owners.
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

support@idatalink.com

maestro.idatalink.com/support

www.12voltdata.com/forum

TABLE OF CONTENTS

<table>
<thead>
<tr>
<th>Installation Instructions</th>
<th>3</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wiring Diagram</td>
<td>5</td>
</tr>
<tr>
<td>Vehicle Wire Reference Chart</td>
<td>6</td>
</tr>
<tr>
<td>Radio Wire Reference Chart</td>
<td>7</td>
</tr>
</tbody>
</table>
INSTALLATION INSTRUCTIONS

**STEP 1**
- Unbox the aftermarket radio and locate its main harness.
- Cut the WHITE, GRAY, GREEN and PURPLE RCA tips. Connect every wire to the aftermarket radio main harness and match the wire colors.
- Connect every wire from the aftermarket radio main harness to the FO1 T-harness and match the wire colors. (Refer to Diagram)

**STEP 2**
[Required for vehicles equipped with SYNC, without factory navigation system; refer to Vehicle Wire Chart]
- Disassemble the dashboard carefully and remove the factory radio from its housing without disconnecting it.
- See the WIRE CHART for vehicle wire color and location.
- Use a multimeter to test the SWI 2 wire. Connect the BLACK test probe to ground (-) and connect the RED test probe to the wire SWI 2 wire. Have the ignition and the radio ON. If the SWI 2 wire is connected, the multimeter will display approximately 5 volts. This value will drop upon pressing the steering wheel voice, phone or OK button.
- Cut the SWI 2 INPUT wire.
- Connect the PINK/RED wire of FO1 T-harness to the SWI 2 INPUT wire going to the steering wheel. Insulate the wire side going to the SYNC module and plug the SYNC harness into the SYNC module.

**STEP 3**
- Connect the factory harness to the FO1 T-harness. Connect only the available connectors. For example, if the factory harness has two connectors, connect only these two connectors.

**STEP 4**
- Access the OBDII connector located under the driver side dashboard.
- Connect the RED/BROWN wire of FO1 T-harness to WHITE/BLUE wire of the OBDII connector located at pin 6.
- Connect the YELLOW/BROWN wire of FO1 T-harness to the WHITE wire of the OBDII connector located at pin 14.

**NOTE:**

**STEP 5**
- Plug the aftermarket radio harnesses into the aftermarket radio.
- Plug the Data cable to the data port of the aftermarket radio.
- Insert the Audio cable into the iDatalink 3.5 mm audio jack of the aftermarket radio.

**NOTE:**
- In Pioneer radios: plug Audio cable in auxiliary input of the radio.
- Insert the RCA connectors into the aftermarket radio.

**NOTE:**
- The RCA connectors labeled SUB IN can be used to feed the subwoofer channel of the factory amplifier.
- The RCA connector labeled CENTER IN can be used to feed the center channel of the THX system or as a second subwoofer channel (if applicable).
- The RCA connectors labeled AUX IN can be used to connect the factory 3.5 mm audio jack, in vehicles that are NOT equipped with SYNC, to the auxiliary input of the aftermarket radio.

**STEP 6**
- Secure the aftermarket radio in the dashboard housing.
- Connect all the harnesses to the Maestro RR module.

**MODULE PROGRAMMING**
- Open the vehicle driver door, insert the key into the ignition and turn it to the ACC position.
- The OEM Bluetooth is OFF by default. To activate it, go to the radio screen, scroll down to FORD SETUP, press SET, go to the OEM Bluetooth and press ON, then Press the BACK button (circular shaped arrow).
- Scroll down, press FINISH and wait. Press START, then press NEXT.
- Now follow the radio screen instructions while performing the following steps: Turn the key to the OFF position, then to the ACC position, turn it back to the OFF position, then to the ACC position.
- The module is now programmed and ready to be used. To access the new menus, press on FORD FEATURES.
- Test all the functionalities then reassemble the dashboard carefully.
INSTALLATION INSTRUCTIONS

TROUBLESHOOTING TIPS:

- To reset the module back its factory settings, 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.

- For technical assistance call 1-866-427-2999 or e-mail “support@idatalink.com”. Visit us at “maestro.idatalink.com/support” and “www.12voltdata.com/forum/”
**WIRING DIAGRAM**

**STEP 1**
Cut and remove the speaker wire junction connectors.

**STEP 2**
Connect auxiliary input (AUX) only if you don’t have Sync.

**STEP 3**
Connect factory radio harness.

**STEP 4**
Connect OBDII connector.

**STEP 5**
Connect to aftermarket radio.

**STEP 6**
Connect to twisted wires behind connector.

**Connectors:**
- **AUX IN**
- **SUB IN**
- **CENTER IN**
- **MAIN HARNESS**
- **DATA CABLE**
- **AUDIO CABLE**
- **SYNC HARNESS**
- **FACTORY RADIO HARNESS**
- **FO1 T-HARNESS**
- **MAESTRO RR MODULE**

**Wiring Colors:**
- **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 (+)
- **BLACK** - Ground
- **RED** - Accessory (+)
- **YELLOW** - 12V (+)
- **ORANGE** - Illumination (+)
- **PURPLE/WHITE** - Reverse Light (+)
- **LTGREN** - E-Brake (-)
- **PINK** - Vehicle Speed
- **YELLOW/BLACK** - Foot Brake
- **BROWN** (NOT CONNECTED)
- **RED/BROWN** - CAN2H
- **YELLOW/BROWN** - CAN2L
- **WHITE/BLUE**

**Connect to Aftermarket Radio RCA Cables**

**Connect to Twisted Wires Behind Connector.**

**Note:** Pin Side View.
# VEHICLE WIRE REFERENCE CHART

<table>
<thead>
<tr>
<th>Wire Description</th>
<th>Connector Name</th>
<th>Connector Color</th>
<th>Connector Type</th>
<th>Position</th>
<th>Wire Color</th>
<th>Polarity</th>
<th>Wire Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>Can2H</td>
<td>OBDII</td>
<td>-</td>
<td>16 pin</td>
<td>06</td>
<td>White/Blue</td>
<td>[DATA]</td>
<td>OBDII connector, under driver side dash</td>
</tr>
<tr>
<td>Can2L</td>
<td>OBDII</td>
<td>-</td>
<td>16 pin</td>
<td>14</td>
<td>White</td>
<td>[DATA]</td>
<td>OBDII connector, under driver side dash</td>
</tr>
<tr>
<td>SWI 2</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>Blue/Orange</td>
<td>[MUX]</td>
<td>Center dash, under the radio.</td>
</tr>
</tbody>
</table>

SWI 2 connection is required only if vehicle is equipped with Sync.
# RADIO WIRE REFERENCE CHART

<table>
<thead>
<tr>
<th>Wire Description</th>
<th>Polarity</th>
<th>Wire Color on Maestro T-Harness</th>
<th>Wire Color on Alpine cable</th>
<th>Wire Color on Kenwood cable</th>
<th>Wire Color on Pioneer cable</th>
</tr>
</thead>
<tbody>
<tr>
<td>Illumination</td>
<td>(+)</td>
<td>Orange</td>
<td>N/A</td>
<td>Orange/White</td>
<td>Orange/White</td>
</tr>
<tr>
<td>Reverse Light</td>
<td>(+)</td>
<td>Purple/White</td>
<td>Orange/White</td>
<td>Purple/White</td>
<td>Purple/White</td>
</tr>
<tr>
<td>E-Brake</td>
<td>(-)</td>
<td>Lt Green</td>
<td>Yellow/Blue</td>
<td>Lt Green</td>
<td>Lt Green</td>
</tr>
<tr>
<td>Foot Brake</td>
<td>(+)</td>
<td>Yellow/Black</td>
<td>Yellow/Black</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>VSS [vehicle speed sensor]</td>
<td>[DATA]</td>
<td>Pink</td>
<td>Green/White</td>
<td>N/A</td>
<td>Pink</td>
</tr>
</tbody>
</table>
INSTALL GUIDE
FORD EDGE
2007-2010

RETAINS STEERING WHEEL CONTROLS, SYNC VOICE COMMANDS, SYNC BLUETOOTH, SIRIUS SATELLITE AND MORE!

PRODUCES REQUIRED
iDataLink Maestro RR Radio Replacement Interface
iDataLink Maestro FO1 Installation Harness

OPTIONAL ACCESSORIES
None

PROGRAMMED FIRMWARE
ADS-RR(SR)-FOR01-DS2

NOTICE: Automotive Data Solutions Inc. (ADS) recommends having this installation performed by a certified technician. Logos and trademarks used herein are the properties of their respective owners.
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

support@idatalink.com

maestro.idatalink.com/support

www.12voltdata.com/forum

TABLE OF CONTENTS

<table>
<thead>
<tr>
<th>Section</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Installation Instructions</td>
<td>3</td>
</tr>
<tr>
<td>Wiring Diagram</td>
<td>5</td>
</tr>
<tr>
<td>Vehicle Wire Reference Chart</td>
<td>6</td>
</tr>
<tr>
<td>Radio Wire Reference Chart</td>
<td>7</td>
</tr>
</tbody>
</table>
INSTALLATION INSTRUCTIONS

STEP 1
- Unbox the aftermarket radio and locate its main harness.
- Cut the WHITE, GRAY, GREEN and PURPLE RCA tips. Connect every wire to the aftermarket radio main harness and match the wire colors.
- Connect every wire from the aftermarket radio main harness to the FO1 T-harness and match the wire colors. (Refer to Diagram)

STEP 2
(Required for vehicles equipped with SYNC, without factory navigation system; refer to Vehicle Wire Chart)
- Disassemble the dashboard carefully and remove the factory radio from its housing without disconnecting it.
- See the WIRE CHART for vehicle wire color and location.
- Use a multimeter to test the SWI 2 wire. Connect the BLACK test probe to ground (-) and connect the RED test probe to the wire SWI 2 wire. Have the ignition and the radio ON. If the SWI 2 wire is connected, the multimeter will display approximately 5 volts. This value will drop upon pressing the steering wheel voice, phone or OK button.
- Cut the SWI 2 INPUT wire.
- Connect the PINK/RED wire of FO1 T-harness to the SWI 2 INPUT wire going to the steering wheel. Insulate the wire side going to the SYNC module and plug the SYNC harness into the SYNC module.

STEP 3
- Connect the factory harness to the FO1 T-harness. Connect only the available connectors. For example, if the factory harness has two connectors, connect only these two connectors.

STEP 4
- Access the OBDII connector located under the driver side dashboard.
- Connect the RED/BROWN wire of FO1 T-harness to WHITE/BLUE wire of the OBDII connector located at pin 6.
- Connect the YELLOW/BROWN wire of FO1 T-harness to the WHITE wire of the OBDII connector located at pin 14.

NOTE:

STEP 5
- Plug the aftermarket radio harnesses into the aftermarket radio.
- Plug the Data cable to the data port of the aftermarket radio.
- Insert the Audio cable into the iDatalink 3.5 mm audio jack of the aftermarket radio.

NOTE:
In Pioneer radios: plug Audio cable in auxiliary input of the radio.
- Insert the RCA connectors into the aftermarket radio.

NOTES:
The RCA connectors labeled SUB IN can be used to feed the subwoofer channel of the factory amplifier.
The RCA connector labeled CENTER IN can be used to feed the center channel of the THX system or as a second subwoofer channel (if applicable).
The RCA connectors labeled AUX IN can be used to connect the factory 3.5 mm audio jack, in vehicles that are NOT equipped with SYNC, to the auxiliary input of the aftermarket radio.

STEP 6
- Secure the aftermarket radio in the dashboard housing.
- Connect all the harnesses to the Maestro RR module.

MODULE PROGRAMMING
- Open the vehicle driver door, insert the key into the ignition and turn it to the ACC position.
- The OEM Bluetooth is OFF by default. To activate it, go to the radio screen, scroll down to FORD SETUP, press SET, go to the OEM Bluetooth and press ON, then Press the BACK button (circular shaped arrow).
- Scroll down, press FINISH and wait. Press START, then press NEXT.
- Now follow the radio screen instructions while performing the following steps: Turn the key to the OFF position, then to the ACC position, turn it back to the OFF position, then to the ACC position.
- The module is now programmed and ready to be used. To access the new menus, press on FORD FEATURES.
- Test all the functionalities then reassemble the dashboard carefully.
INSTALLATION INSTRUCTIONS

TROUBLESHOOTING TIPS:

- To reset the module back its factory settings, 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.

- For technical assistance call 1-866-427-2999 or e-mail "support@idatalink.com”. Visit us at “maestro.idatalink.com/support” and “www.12voltdata.com/forum/”
WIRING DIAGRAM

**STEP 1**
Cut and remove the speaker wire junction connectors.

**STEP 2**
Connect Aux In only if you don’t have Sync.

**STEP 3**
Connect Aux In.

**STEP 4**
Connect to twisted wires behind connector.

**STEP 5**
Connect to aftermarket radio.

**STEP 6**
Refer to wire chart for wire location.

**WIRING COLORS**
- 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 (+)
- BLACK - GROUND
- RED - ACCESSORY (+)
- YELLOW - 12V (+)
- ORANGE - ILLUMINATION (+)
- PURPLE/WHITE - REVERSE LIGHT (+)
- LTGREEN - E-BRAKE (-)
- PINK - VEHICLE SPEED
- YELLOW/BLACK - FOOT BRAKE
- BROWN (NOT CONNECTED)

**FACTORY RADIO HARNESS**
- PINK/RED - SWI 2 (-) INPUT

**SYNC HARNESS**
- WHITE/BLUE
- YELLOW/BROWN - CAN2L

**WIRING CHARTS**
- See radio wire reference chart.
## VEHICLE WIRE REFERENCE CHART

<table>
<thead>
<tr>
<th>Wire Description</th>
<th>Connector Name</th>
<th>Connector Color</th>
<th>Connector Type</th>
<th>Position</th>
<th>Wire Color</th>
<th>Polarity</th>
<th>Wire Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>Can2H</td>
<td>OBDII</td>
<td>-</td>
<td>16 pin</td>
<td>06</td>
<td>White/Blue</td>
<td>[DATA]</td>
<td>OBDII connector, under driver side dash</td>
</tr>
<tr>
<td>Can2L</td>
<td>OBDII</td>
<td>-</td>
<td>16 pin</td>
<td>14</td>
<td>White</td>
<td>[DATA]</td>
<td>OBDII connector, under driver side dash</td>
</tr>
<tr>
<td>SWI 2</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>Blue/Orange</td>
<td>[MUX]</td>
<td>Center console, right side harness going to the back.</td>
</tr>
</tbody>
</table>

SWI 2 connection is required only if vehicle is equipped with Sync.
# RADIO WIRE REFERENCE CHART

<table>
<thead>
<tr>
<th>Wire Description</th>
<th>Polarity</th>
<th>Wire Color on Maestro T-Harness</th>
<th>Wire Color on Alpine cable</th>
<th>Wire Color on Kenwood cable</th>
<th>Wire Color on Pioneer cable</th>
</tr>
</thead>
<tbody>
<tr>
<td>Illumination</td>
<td>(+)</td>
<td>Orange</td>
<td>N/A</td>
<td>Orange/White</td>
<td>Orange/White</td>
</tr>
<tr>
<td>Reverse Light</td>
<td>(+)</td>
<td>Purple/White</td>
<td>Orange/White</td>
<td>Purple/White</td>
<td>Purple/White</td>
</tr>
<tr>
<td>E-Brake</td>
<td>(-)</td>
<td>Lt Green</td>
<td>Yellow/Blue</td>
<td>Lt Green</td>
<td>Lt Green</td>
</tr>
<tr>
<td>Foot Brake</td>
<td>(+)</td>
<td>Yellow/Black</td>
<td>Yellow/Black</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>VSS [vehicle speed sensor]</td>
<td>[DATA]</td>
<td>Pink</td>
<td>Green/White</td>
<td>N/A</td>
<td>Pink</td>
</tr>
</tbody>
</table>
INSTALL GUIDE
FORD ESCAPE
2008-2012

RETAINS STEERING WHEEL CONTROLS, SYNC VOICE COMMANDS, SYNC BLUETOOTH, SIRIUS SATELLITE AND MORE!

NOTICE: Automotive Data Solutions Inc. (ADS) recommends having this installation performed by a certified technician. Logos and trademarks used here in are the properties of their respective owners.
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

support@idatalink.com

maestro.idatalink.com/support

www.12voltdata.com/forum

<table>
<thead>
<tr>
<th>TABLE OF CONTENTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Installation Instructions</td>
</tr>
<tr>
<td>Wiring Diagram</td>
</tr>
<tr>
<td>Vehicle Wire Reference Chart</td>
</tr>
<tr>
<td>Radio Wire Reference Chart</td>
</tr>
</tbody>
</table>
INSTALLATION INSTRUCTIONS

STEP 1
• Unbox the aftermarket radio and locate its main harness.
• Cut the WHITE, GRAY, GREEN and PURPLE RCA tips. Connect every wire to the aftermarket radio main harness and match the wire colors.
• Connect every wire from the aftermarket radio main harness to the FO1 T-harness and match the wire colors. (Refer to Diagram)

STEP 2
(Required for vehicles equipped with SYNC, without factory navigation system; refer to Vehicle Wire Chart)
• Disassemble the dashboard carefully and remove the factory radio from its housing without disconnecting it.
• See the WIRE CHART for vehicle wire color and location.
• Use a multimeter to test the SWI 2 wire. Connect the BLACK test probe to ground (-) and connect the RED test probe to the wire SWI 2 wire. Have the ignition and the radio ON. If the SWI 2 wire is connected, the multimeter will display approximately 5 volts. This value will drop upon pressing the steering wheel voice, phone or OK button.
• Cut the SWI 2 INPUT wire.
• Connect the PINK/RED wire of FO1 T-harness to the SWI 2 INPUT wire going to the steering wheel. Insulate the wire side going to the SYNC module and plug the SYNC harness into the SYNC module.

STEP 3
• Connect the factory harness to the FO1 T-harness. Connect only the available connectors. For example, if the factory harness has two connectors, connect only these two connectors.

STEP 4
• Access the OBDII connector located under the driver side dashboard.
• Connect the RED/BROWN wire of FO1 T-harness to WHITE/BLUE wire of the OBDII connector located at pin 6.
• Connect the YELLOW/BROWN wire of FO1 T-harness to the WHITE wire of the OBDII connector located at pin 14.

NOTE:

STEP 5
• Plug the aftermarket radio harnesses into the aftermarket radio.
• Plug the Data cable to the data port of the aftermarket radio.
• Insert the Audio cable into the iDatalink 3.5 mm audio jack of the aftermarket radio.

NOTE:
In Pioneer radios: plug Audio cable in auxiliary input of the radio.
• Insert the RCA connectors into the aftermarket radio.

NOTES:
The RCA connectors labeled SUB IN can be used to feed the subwoofer channel of the factory amplifier.
The RCA connector labeled CENTER IN can be used to feed the center channel of the THX system or as a second subwoofer channel (if applicable).
The RCA connectors labeled AUX IN can be used to connect the factory 3.5 mm audio jack, in vehicles that are NOT equipped with SYNC, to the auxiliary input of the aftermarket radio.

STEP 6
• Secure the aftermarket radio in the dashboard housing.
• Connect all the harnesses to the Maestro RR module.

MODULE PROGRAMMING
• Open the vehicle driver door, insert the key into the ignition and turn it to the ACC position.
• The OEM Bluetooth is OFF by default. To activate it, go to the radio screen, scroll down to FORD SETUP, press SET, go to the OEM Bluetooth and press ON, then Press the BACK button (circular shaped arrow).
• Scroll down, press FINISH and wait. Press START, then press NEXT.
• Now follow the radio screen instructions while performing the following steps: Turn the key to the OFF position, then to the ACC position, turn it back to the OFF position, then to the ACC position.

The module is now programmed and ready to be used. To access the new menus, press on FORD FEATURES.
• Test all the functionalities then reassemble the dashboard carefully.
INSTALLATION INSTRUCTIONS

TROUBLESHOOTING TIPS:

• To reset the module back its factory settings, 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.

• For technical assistance call 1-866-427-2999 or e-mail “support@idatalink.com”. Visit us at “maestro.idatalink.com/support” and “www.12voltdata.com/forum/”
WIRING DIAGRAM

STEP 1
CUT AND REMOVE THE SPEAKER WIRE JUNCTION CONNECTORS

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 (+)
BLACK - GROUND
RED - ACCESSORY (+)
YELLOW - 12V (+)
ORANGE - ILLUMINATION (+)
PURPLE/WHITE - REVERSE LIGHT (+)
LT GREEN - E-BRAKE (-)
PINK - VEHICLE SPEED
YELLOW/BLACK - FOOT BRAKE
BROWN (NOT CONNECTED)

STEP 2
PINK/RED - SW 2 (-) INPUT

STEP 3
FACTORY RADIO HARNESS

STEP 4
WHITE/BLUE
YELLOW/BROWN - CAN2L

STEP 5
CONNECT TO AFTERMARKET RADIO

STEP 6
MAESTRO RR MODULE

NOTE: PIN SIDE VIEW. CONNECT TO TWISTED WIRES BEHIND CONNECTOR.
### VEHICLE WIRE REFERENCE CHART

<table>
<thead>
<tr>
<th>Wire Description</th>
<th>Connector Name</th>
<th>Connector Color</th>
<th>Connector Type</th>
<th>Position</th>
<th>Wire Color</th>
<th>Polarity</th>
<th>Wire Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>Can2H</td>
<td>OBDII</td>
<td>-</td>
<td>16 pin</td>
<td>06</td>
<td>White/Blue</td>
<td>[DATA]</td>
<td>OBDII connector, under driver side dash</td>
</tr>
<tr>
<td>Can2L</td>
<td>OBDII</td>
<td>-</td>
<td>16 pin</td>
<td>14</td>
<td>White</td>
<td>[DATA]</td>
<td>OBDII connector, under driver side dash</td>
</tr>
<tr>
<td>SWI 2</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>Blue/Orange</td>
<td>[MUX]</td>
<td>Junction connector, behind the radio to the right.</td>
</tr>
</tbody>
</table>

SWI 2 connection is required only if vehicle is equipped with Sync.
# RADIO WIRE REFERENCE CHART

<table>
<thead>
<tr>
<th>Wire Description</th>
<th>Polarity</th>
<th>Wire Color on Maestro T-Harness</th>
<th>Wire Color on Alpine cable</th>
<th>Wire Color on Kenwood cable</th>
<th>Wire Color on Pioneer cable</th>
</tr>
</thead>
<tbody>
<tr>
<td>Illumination (+)</td>
<td>Orange</td>
<td>N/A</td>
<td>Orange/White</td>
<td>Orange/White</td>
<td>Orange/White</td>
</tr>
<tr>
<td>Reverse Light (+)</td>
<td>Purple/White</td>
<td>Orange/White</td>
<td>Purple/White</td>
<td>Purple/White</td>
<td>Purple/White</td>
</tr>
<tr>
<td>E-Brake (-)</td>
<td>Lt Green</td>
<td>Yellow/Blue</td>
<td>Lt Green</td>
<td>Lt Green</td>
<td>Lt Green</td>
</tr>
<tr>
<td>Foot Brake (+)</td>
<td>Yellow/Black</td>
<td>Yellow/Black</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>VSS (vehicle speed sensor) [DATA]</td>
<td>Pink</td>
<td>Green/White</td>
<td>N/A</td>
<td>N/A</td>
<td>Pink</td>
</tr>
</tbody>
</table>
INSTALL GUIDE
FORD EXPEDITION
2007-2014

RETAINS STEERING WHEEL CONTROLS, SYNC VOICE COMMANDS, SYNC BLUETOOTH,
SIRIUS SATELLITE AND MORE!

PRODUCTS REQUIRED
iDatalink Maestro RR Radio Replacement Interface
iDatalink Maestro FO1 Installation Harness

OPTIONAL ACCESSORIES
None

PROGRAMMED Firmware
ADS-RR(SR)-FOR01-DS2

NOTICE: Automotive Data Solutions Inc. (ADS) recommends having this installation performed by a certified technician. Logos and trademarks used here in are the properties of their respective owners.
WELCOME

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

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

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

TABLE OF CONTENTS

<table>
<thead>
<tr>
<th>Section</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Installation Instructions</td>
<td>3</td>
</tr>
<tr>
<td>Wiring Diagram</td>
<td>5</td>
</tr>
<tr>
<td>Vehicle Wire Reference Chart</td>
<td>6</td>
</tr>
<tr>
<td>Radio Wire Reference Chart</td>
<td>7</td>
</tr>
</tbody>
</table>

NEED HELP?

1 866 427-2999

support@idatalink.com

maestro.idatalink.com/support

www.12voltdata.com/forum
INSTALLATION INSTRUCTIONS

STEP 1
• Unbox the aftermarket radio and locate its main harness.
• Cut the WHITE, GRAY, GREEN and PURPLE RCA tips.
  Connect every wire to the aftermarket radio main harness and match the wire colors.
• Connect every wire from the aftermarket radio main harness to the FO1 T-harness and match the wire colors.
  [Refer to Diagram]

STEP 2
[Required for vehicles equipped with SYNC, without factory navigation system; refer to Vehicle Wire Chart]
• Disassemble the dashboard carefully and remove the factory radio from its housing without disconnecting it.
• See the WIRE CHART for vehicle wire color and location.
• Use a multimeter to test the SWI 2 wire. Connect the BLACK test probe to ground (-) and connect the RED test probe to the wire SWI 2 wire. Have the ignition and the radio ON. If the SWI 2 wire is connected, the multimeter will display approximately 5 volts. This value will drop upon pressing the steering wheel voice, phone or OK button.
• Cut the SWI 2 INPUT wire.
• Connect the PINK/RED wire of FO1 T-harness to the SWI 2 INPUT wire going to the steering wheel. Insulate the wire side going to the SYNC module and plug the SYNC harness into the SYNC module.

STEP 3
• Connect the factory harness to the FO1 T-harness. Connect only the available connectors. For example, if the factory harness has two connectors, connect only these two connectors.

STEP 4
• Access the OBDII connector located under the driver side dashboard.
• Connect the RED/BROWN wire of FO1 T-harness to WHITE/BLUE wire of the OBDII connector located at pin 6.
• Connect the YELLOW/BROWN wire of FO1 T-harness to the WHITE wire of the OBDII connector located at pin 14.
  NOTE:

STEP 5
• Plug the aftermarket radio harnesses into the aftermarket radio.
• Plug the Data cable to the data port of the aftermarket radio.
• Insert the Audio cable into the iDatalink 3.5 mm audio jack of the aftermarket radio.
  NOTE:
  In Pioneer radios: plug Audio cable in auxiliary input of the radio.
• Insert the RCA connectors into the aftermarket radio.
  NOTES:
The RCA connectors labeled SUB IN can be used to feed the subwoofer channel of the factory amplifier.
The RCA connector labeled CENTER IN can be used to feed the center channel of the THX system or as a second subwoofer channel (if applicable).
The RCA connectors labeled AUX IN can be used to connect the factory 3.5 mm audio jack, in vehicles that are NOT equipped with SYNC, to the auxiliary input of the aftermarket radio.

STEP 6
• Secure the aftermarket radio in the dashboard housing.
• Connect all the harnesses to the Maestro RR module.

MODULE PROGRAMMING
• Open the vehicle driver door, insert the key into the ignition and turn it to the ACC position.
• The OEM Bluetooth is OFF by default. To activate it, go to the radio screen, scroll down to FORD SETUP, press SET, go to the OEM Bluetooth and press ON, then Press the BACK button [circular shaped arrow].
• Scroll down, press FINISH and wait. Press START, then press NEXT.
• Now follow the radio screen instructions while performing the following steps: Turn the key to the OFF position, then to the ACC position, turn it back to the OFF position, then to the ACC position.
  The module is now programmed and ready to be used. To access the new menus, press on FORD FEATURES.
• Test all the functionalities then reassemble the dashboard carefully.
INSTALLATION INSTRUCTIONS

TROUBLESHOOTING TIPS:

• To reset the module back its factory settings, 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.

• For technical assistance call 1-866-427-2999 or e-mail “support@idatalink.com”. Visit us at “maestro.idatalink.com/support” and “www.12voltdata.com/forum/”
WIRING DIAGRAM

STEP 1
CUT AND REMOVE THE SPEAKER WIRE JUNCTION CONNECTORS

STEP 2
PINK/RED - SW 2 (-) INPUT
INSULATE WIRE
SYNC HARNESS
STANDARD FOR WIRE LOCATION
REFER TO WIRE CHART FOR WIRE LOCATION
SYNC MODULE SIDE
STEERING WHEEL SIDE

STEP 3
FACTORY RADIO HARNESS
WIRING DIAGRAM
STEP 5
CONNECT TO AFTERMARKET RADIO

STEP 4
OBUII CONNECTOR
FO1 T-HARNESS

STEP 6
MAESTRO RR MODULE

NOTE: PIN SIDE VIEW
CONNECT TO TWISTED WIRES BEHIND CONNECTOR.
VEHICLE WIRE REFERENCE CHART

<table>
<thead>
<tr>
<th>Wire Description</th>
<th>Connector Name</th>
<th>Connector Color</th>
<th>Connector Type</th>
<th>Position</th>
<th>Wire Color</th>
<th>Polarity</th>
<th>Wire Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>Can2H</td>
<td>OBDII</td>
<td>-</td>
<td>16 pin</td>
<td>06</td>
<td>White/Blue</td>
<td>[DATA]</td>
<td>OBDII connector, under driver side dash</td>
</tr>
<tr>
<td>Can2L</td>
<td>OBDII</td>
<td>-</td>
<td>16 pin</td>
<td>14</td>
<td>White</td>
<td>[DATA]</td>
<td>OBDII connector, under driver side dash</td>
</tr>
<tr>
<td>SWI 2</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Blue/Orange</td>
<td>[MUX]</td>
<td>Center console, right side, harness going to the back.</td>
</tr>
</tbody>
</table>

SWI 2 connection is required only if vehicle is equipped with Sync.
## RADIO WIRE REFERENCE CHART

<table>
<thead>
<tr>
<th>Wire Description</th>
<th>Polarity</th>
<th>Wire Color on Maestro T-Harness</th>
<th>Wire Color on Alpine cable</th>
<th>Wire Color on Kenwood cable</th>
<th>Wire Color on Pioneer cable</th>
</tr>
</thead>
<tbody>
<tr>
<td>Illumination</td>
<td>(+)</td>
<td>Orange</td>
<td>N/A</td>
<td>Orange/White</td>
<td>Orange/White</td>
</tr>
<tr>
<td>Reverse Light</td>
<td>(+)</td>
<td>Purple/White</td>
<td>Orange/White</td>
<td>Purple/White</td>
<td>Purple/White</td>
</tr>
<tr>
<td>E-Brake</td>
<td>(-)</td>
<td>Lt Green</td>
<td>Yellow/Blue</td>
<td>Lt Green</td>
<td>Lt Green</td>
</tr>
<tr>
<td>Foot Brake</td>
<td>(+)</td>
<td>Yellow/Black</td>
<td>Yellow/Black</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>VSS (vehicle speed sensor)</td>
<td>(DATA)</td>
<td>Pink</td>
<td>Green/White</td>
<td>N/A</td>
<td>Pink</td>
</tr>
</tbody>
</table>
OPTIONAL ACCESSORIES

PROGRAMMED FIRMWARE

PRODUCTS REQUIRED

iDatalink Maestro RR Radio Replacement Interface
iDatalink Maestro FO1 Installation Harness

INSTAL GUIDE

FORD EXPLORER
2006-2010

RETAINS STEERING WHEEL CONTROLS SYNC VOICE COMMANDS, SYNC BLUETOOTH, SIRIUS SATELLITE AND MORE!

NOTICE: Automotive Data Solutions Inc. (ADS) recommends having this installation performed by a certified technician. Logos and trademarks used here in are the properties of their respective owners.
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

support@idatalink.com

maestro.idatalink.com/support

www.12voltdata.com/forum

TABLE OF CONTENTS

<table>
<thead>
<tr>
<th>Section</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Installation Instructions</td>
<td>3</td>
</tr>
<tr>
<td>Wiring Diagram</td>
<td>5</td>
</tr>
<tr>
<td>Vehicle Wire Reference Chart</td>
<td>6</td>
</tr>
<tr>
<td>Radio Wire Reference Chart</td>
<td>7</td>
</tr>
</tbody>
</table>
INSTALLATION INSTRUCTIONS

**STEP 1**
- Unbox the aftermarket radio and locate its main harness.
- Cut the WHITE, GRAY, GREEN and PURPLE RCA tips. Connect every wire to the aftermarket radio main harness and match the wire colors.
- Connect every wire from the aftermarket radio main harness to the FO1 T-harness and match the wire colors. (Refer to Diagram)

**STEP 2**
(Required for vehicles equipped with SYNC, without factory navigation system; refer to Vehicle Wire Chart)
- Disassemble the dashboard carefully and remove the factory radio from its housing without disconnecting it.
- See the WIRE CHART for vehicle wire color and location.
- Use a multimeter to test the SWI 2 wire. Connect the BLACK test probe to ground (-) and connect the RED test probe to the wire SWI 2 wire. Have the ignition and the radio ON. If the SWI 2 wire is connected, the multimeter will display approximately 5 volts. This value will drop upon pressing the steering wheel voice, phone or OK button.
- Cut the SWI 2 INPUT wire.
- Connect the PINK/RED wire of FO1 T-harness to the SWI 2 INPUT wire going to the steering wheel. Insulate the wire side going to the SYNC module and plug the SYNC harness into the SYNC module.

**STEP 3**
- Connect the factory harness to the FO1 T-harness. Connect only the available connectors. For example, if the factory harness has two connectors, connect only these two connectors.

**STEP 4**
- Access the OBDII connector located under the driver side dashboard.
- Connect the RED/BROWN wire of FO1 T-harness to WHITE/BLUE wire of the OBDII connector located at pin 6.
- Connect the YELLOW/BROWN wire of FO1 T-harness to the WHITE wire of the OBDII connector located at pin 14.

**STEP 5**
- Plug the aftermarket radio harnesses into the aftermarket radio.
- Plug the Data cable to the data port of the aftermarket radio.
- Insert the Audio cable into the iDatalink 3.5 mm audio jack of the aftermarket radio.

**NOTE:**
In Pioneer radios: plug Audio cable in auxiliary input of the radio.
- Insert the RCA connectors into the aftermarket radio.

**STEP 6**
- Secure the aftermarket radio in the dashboard housing.
- Connect all the harnesses to the Maestro RR module.

**MODULE PROGRAMMING**
- Open the vehicle driver door, insert the key into the ignition and turn it to the ACC position.
- The OEM Bluetooth is OFF by default. To activate it, go to the radio screen, scroll down to FORD SETUP, press SET, go to the OEM Bluetooth and press ON, then Press the BACK button (circular shaped arrow).
- Scroll down, press FINISH and wait. Press START, then press NEXT.
- Now follow the radio screen instructions while performing the following steps: Turn the key to the OFF position, then to the ACC position, turn it back to the OFF position, then to the ACC position.

The module is now programmed and ready to be used. To access the new menus, press on FORD FEATURES.
- Test all the functionalities then reassemble the dashboard carefully.
INSTALLATION INSTRUCTIONS

TROUBLESHOOTING TIPS:

- To reset the module back to its factory settings, 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.

- For technical assistance call 1-866-427-2999 or e-mail “support@idatalink.com”. Visit us at “maestro.idatalink.com/support” and “www.12voltdata.com/forum/”
WIRING DIAGRAM

STEP 1
CUT AND REMOVE
THE SPEAKER WIRE
JUNCTION CONNECTORS

STEP 5
CONNECT TO
AFTERMARKET RADIO

STEP 2
PINK/RED - SW 2 (-) INPUT
INSULATE WIRE
SYNC WHEEL SIDE
SYNC MODULE SIDE

STEP 3
FACTORY RADIO HARNESS

STEP 4
OBII CONNECTOR

STEP 6
MAESTRO RR MODULE

NOTE: PIN SIDE VIEW.
CONNECT TO TWISTED WIRES BEHIND CONNECTOR.

WHITE - LF SPEAKER (+)
WHITE/BLACK - LF SPEAKER (-)
GRAY - RF SPEAKER (+)
GRAY/BLACK - RF SPEAKER (-)
PURPLE - RR SPEAKER (+)
PURPLE/BLACK - RR SPEAKER (-)
BLUE/WHITE - AMP TURN ON (+)
BLACK - GROUND
RED - ACCESSORY (+)
YELLOW - 12V (+)
ORANGE - ILLUMINATION (+)
PURPLE/WHITE - REVERSE LIGHT (+)
LTGREEN - E-BRAKE (-)
PINK - VEHICLE SPEED
YELLOW/BLACK - FOOT BRAKE
BROWN (NOT CONNECTED)

WHITE/BLUE
WHITE/BLUE
WHITE
WHITE
RED/BROWN - CAN2H
YELLOW/BROWN - CAN2L
YELLOW/BLACK - FOOT BRAKE
BROWN (NOT CONNECTED)

WHITE/BLUE
WHITE/BLUE
WHITE
WHITE
RED/BROWN - CAN2H
YELLOW/BROWN - CAN2L
WHITE

FO1 T-HARNESS

CONNECT AUX IN
ONLY IF YOU DON'T HAVE SYNC

CONNECT TO
AFTERMARKET RADIO

MAIN
HARNESS
DATA
CABLE
AUDIO
CABLE
SUB IN
CENTER IN
AUX IN

WIRING DIAGRAM

FORD EXPLORER 2006-2010

Automotive Data Solutions Inc. © 2015
maestro.idatalink.com

ADS-RR(SR)-FOR01-DS2
maestro.idatalink.com

5
## VEHICLE WIRE REFERENCE CHART

<table>
<thead>
<tr>
<th>Wire Description</th>
<th>Connector Name</th>
<th>Connector Color</th>
<th>Connector Type</th>
<th>Position</th>
<th>Wire Color</th>
<th>Polarity</th>
<th>Wire Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>Can2H</td>
<td>OBDII</td>
<td>-</td>
<td>16 pin</td>
<td>06</td>
<td>White/Blue</td>
<td>[DATA]</td>
<td>OBDII connector, under driver side dash</td>
</tr>
<tr>
<td>Can2L</td>
<td>OBDII</td>
<td>-</td>
<td>16 pin</td>
<td>14</td>
<td>White</td>
<td>[DATA]</td>
<td>OBDII connector, under driver side dash</td>
</tr>
<tr>
<td>SWI 2</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>White/Brown</td>
<td>[MUX]</td>
<td>Center console, harness going to the back.</td>
</tr>
</tbody>
</table>

SWI 2 connection is required only if vehicle is equipped with Sync.
# RADIO WIRE REFERENCE CHART

<table>
<thead>
<tr>
<th>Wire Description</th>
<th>Polarity</th>
<th>Wire Color on Maestro T-Harness</th>
<th>Wire Color on Alpine cable</th>
<th>Wire Color on Kenwood cable</th>
<th>Wire Color on Pioneer cable</th>
</tr>
</thead>
<tbody>
<tr>
<td>Illumination</td>
<td>(+)</td>
<td>Orange</td>
<td>N/A</td>
<td>Orange/White</td>
<td>Orange/White</td>
</tr>
<tr>
<td>Reverse Light</td>
<td>(+)</td>
<td>Purple/White</td>
<td>Orange/White</td>
<td>Purple/White</td>
<td>Purple/White</td>
</tr>
<tr>
<td>E-Brake</td>
<td>(-)</td>
<td>Lt Green</td>
<td>Yellow/Blue</td>
<td>Lt Green</td>
<td>Lt Green</td>
</tr>
<tr>
<td>Foot Brake</td>
<td>(+)</td>
<td>Yellow/Black</td>
<td>Yellow/Black</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>VSS [vehicle speed sensor]</td>
<td>[DATA]</td>
<td>Pink</td>
<td>Green/White</td>
<td>N/A</td>
<td>Pink</td>
</tr>
</tbody>
</table>
INSTALL GUIDE
FORD EXPLORER SPORT TRAC
2006-2010

RETAINS STEERING WHEEL CONTROLS, SYNC VOICE COMMANDS, SYNC BLUETOOTH, SIRIUS SATELLITE AND MORE!

<table>
<thead>
<tr>
<th>PRODUCTS REQUIRED</th>
<th>OPTIONAL ACCESSORIES</th>
<th>PROGRAMMED Firmware</th>
</tr>
</thead>
<tbody>
<tr>
<td>iDatalink Maestro RR Radio Replacement Interface</td>
<td>None</td>
<td>ADS-RR(SR)-FOR01-DS2</td>
</tr>
<tr>
<td>iDatalink Maestro FO1 Installation Harness</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

NOTICE: Automotive Data Solutions Inc. (ADS) recommends having this installation performed by a certified technician. Logos and trademarks used here in are the properties of their respective owners.
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

support@idatalink.com

maestro.idatalink.com/support

www.12voltdata.com/forum

TABLE OF CONTENTS

<table>
<thead>
<tr>
<th>Installation Instructions</th>
<th>3</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wiring Diagram</td>
<td>5</td>
</tr>
<tr>
<td>Vehicle Wire Reference Chart</td>
<td>6</td>
</tr>
<tr>
<td>Radio Wire Reference Chart</td>
<td>7</td>
</tr>
</tbody>
</table>
INSTALLATION INSTRUCTIONS

STEP 1
- Unbox the aftermarket radio and locate its main harness.
- Cut the WHITE, GRAY, GREEN and PURPLE RCA tips. Connect every wire to the aftermarket radio main harness and match the wire colors.
- Connect every wire from the aftermarket radio main harness to the FO1 T-harness and match the wire colors. [Refer to Diagram]

STEP 2
(Required for vehicles equipped with SYNC, without factory navigation system; refer to Vehicle Wire Chart)
- Disassemble the dashboard carefully and remove the factory radio from its housing without disconnecting it.
- See the WIRE CHART for vehicle wire color and location.
- Use a multimeter to test the SWI 2 wire. Connect the BLACK test probe to ground (-) and connect the RED test probe to the wire SWI 2 wire. Have the ignition and the radio ON. If the SWI 2 wire is connected, the multimeter will display approximately 5 volts. This value will drop upon pressing the steering wheel voice, phone or OK button.
- Cut the SWI 2 INPUT wire.
- Connect the PINK/RED wire of FO1 T-harness to the SWI 2 INPUT wire going to the steering wheel. Insulate the wire side going to the SYNC module and plug the SYNC harness into the SYNC module.

STEP 3
- Connect the factory harness to the FO1 T-harness. Connect only the available connectors. For example, if the factory harness has two connectors, connect only these two connectors.

STEP 4
- Access the OBDII connector located under the driver side dashboard.
- Connect the RED/BROWN wire of FO1 T-harness to WHITE/BLUE wire of the OBDII connector located at pin 6.
- Connect the YELLOW/BROWN wire of FO1 T-harness to the WHITE wire of the OBDII connector located at pin 14.

STEP 5
- Plug the aftermarket radio harnesses into the aftermarket radio.
- Plug the Data cable to the data port of the aftermarket radio.
- Insert the Audio cable into the iDatalink 3.5 mm audio jack of the aftermarket radio.

NOTE:
In Pioneer radios: plug Audio cable in auxiliary input of the radio.
- Insert the RCA connectors into the aftermarket radio.

NOTES:
The RCA connectors labeled SUB IN can be used to feed the subwoofer channel of the factory amplifier.
The RCA connector labeled CENTER IN can be used to feed the center channel of the THX system or as a second subwoofer channel (if applicable).
The RCA connectors labeled AUX IN can be used to connect the factory 3.5 mm audio jack, in vehicles that are NOT equipped with SYNC, to the auxiliary input of the aftermarket radio.

STEP 6
- Secure the aftermarket radio in the dashboard housing.
- Connect all the harnesses to the Maestro RR module.

MODULE PROGRAMMING
- Open the vehicle driver door, insert the key into the ignition and turn it to the ACC position.
- The OEM Bluetooth is OFF by default. To activate it, go to the radio screen, scroll down to FORD SETUP, press SET, go to the OEM Bluetooth and press ON, then Press the BACK button (circular shaped arrow).
- Scroll down, press FINISH and wait. Press START, then press NEXT.
- Now follow the radio screen instructions while performing the following steps: Turn the key to the OFF position, then to the ACC position, turn it back to the OFF position, then to the ACC position.
- The module is now programmed and ready to be used. To access the new menus, press on FORD FEATURES.
- Test all the functionalities then reassemble the dashboard carefully.
INSTALLATION INSTRUCTIONS

TROUBLESHOOTING TIPS:

• To reset the module back its factory settings, 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.

• For technical assistance call 1-866-427-2999 or e-mail “support@idatalink.com”. Visit us at “maestro.idatalink.com/support” and “www.12voltdata.com/forum/”
WIRING DIAGRAM

STEP 1
Cut and remove the speaker wire junction connectors.

WHITE - LF SPEAKER (+)
WHITE/BLACK - LF SPEAKER (-)
GRAY - RF SPEAKER (+)
GRAY/BLACK - RF SPEAKER (-)
PURPLE - RR SPEAKER (+)
PURPLE/BLACK - RR SPEAKER (-)
BLUE/WHITE - AMP TURN ON (+)
BLACK - GROUND
RED - ACCESSORY (+)
YELLOW - 12V (+)
ORANGE - ILLUMINATION (+)
PURPLE/WHITE - REVERSE LIGHT (+)
LTGREEN - E-BRAKE (-)
PINK - VEHICLE SPEED
YELLOW/BLACK - FOOT BRAKE
BROWN (NOT CONNECTED)

STEP 2
Connect AUX IN only if you don’t have SYNC.

STEP 3
Refer to the reference chart for radio wire colors.

STEP 4
White/Blue - CAN2H
Yellow/Blue - CAN2L

STEP 5
Connect to aftermarket radio.

STEP 6
Connect to twisted wires behind connector.

NOTE: PIN SIDE VIEW.

WIRING DIAGRAM FOR FORD EXPLORER SPORT TRAC 2006-2010

Connect to aux in only if you don’t have sync.
### VEHICLE WIRE REFERENCE CHART

<table>
<thead>
<tr>
<th>Wire Description</th>
<th>Connector Name</th>
<th>Connector Color</th>
<th>Connector Type</th>
<th>Position</th>
<th>Wire Color</th>
<th>Polarity</th>
<th>Wire Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>Can2H</td>
<td>OBDII</td>
<td>–</td>
<td>16 pin</td>
<td>06</td>
<td>White/Blue</td>
<td>[DATA]</td>
<td>OBDII connector, under driver side dash</td>
</tr>
<tr>
<td>Can2L</td>
<td>OBDII</td>
<td>–</td>
<td>16 pin</td>
<td>14</td>
<td>White</td>
<td>[DATA]</td>
<td>OBDII connector, under driver side dash</td>
</tr>
<tr>
<td>SWI 2</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>White/Brown</td>
<td>[MUX]</td>
<td>Center console, harness going to the back.</td>
</tr>
</tbody>
</table>

SWI 2 connection is required only if vehicle is equipped with Sync.
## RADIO WIRE REFERENCE CHART

<table>
<thead>
<tr>
<th>Wire Description</th>
<th>Polarity</th>
<th>Wire Color on Maestro T-Harness</th>
<th>Wire Color on Alpine cable</th>
<th>Wire Color on Kenwood cable</th>
<th>Wire Color on Pioneer cable</th>
</tr>
</thead>
<tbody>
<tr>
<td>Illumination</td>
<td>[+]</td>
<td>Orange</td>
<td>N/A</td>
<td>Orange/White</td>
<td>Orange/White</td>
</tr>
<tr>
<td>Reverse Light</td>
<td>[+]</td>
<td>Purple/White</td>
<td>Orange/White</td>
<td>Purple/White</td>
<td>Purple/White</td>
</tr>
<tr>
<td>E-Brake</td>
<td>[-]</td>
<td>Lt Green</td>
<td>Yellow/Blue</td>
<td>Lt Green</td>
<td>Lt Green</td>
</tr>
<tr>
<td>Foot Brake</td>
<td>[+]</td>
<td>Yellow/Black</td>
<td>Yellow/Black</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>VSS [vehicle speed sensor]</td>
<td>[DATA]</td>
<td>Pink</td>
<td>Green/White</td>
<td>N/A</td>
<td>Pink</td>
</tr>
</tbody>
</table>
OPTIONAL ACCESSORIES
None

PROGRAMMED FIRMWARE
ADS-RR(SR)-FOR01-DS2

PRODUCTS REQUIRED
iDatalink Maestro RR Radio Replacement Interface
iDatalink Maestro F01 Installation Harness

INSTALL GUIDE
FORD F-SERIES SUPER DUTY
2008-2010

RETAINS STEERING WHEEL CONTROLS, SYNC VOICE COMMANDS, SYNC BLUETOOTH,
SIRIUS SATELLITE AND MORE!

NOTICE: Automotive Data Solutions Inc. (ADS) recommends having this installation performed by a certified technician. Logos and trademarks used here in are the properties of their respective owners.
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

support@idatalink.com

maestro.idatalink.com/support

www.12voltdata.com/forum

TABLE OF CONTENTS

Installation Instructions 3

Wiring Diagram 5

Vehicle Wire Reference Chart 6

Radio Wire Reference Chart 7
INSTALLATION INSTRUCTIONS

STEP 1
- Unbox the aftermarket radio and locate its main harness.
- Cut the WHITE, GRAY, GREEN and PURPLE RCA tips. Connect every wire to the aftermarket radio main harness and match the wire colors.
- Connect every wire from the aftermarket radio main harness to the FO1 T-harness and match the wire colors. (Refer to Diagram)

STEP 2
(Required for vehicles equipped with SYNC, without factory navigation system; refer to Vehicle Wire Chart)
- Disassemble the dashboard carefully and remove the factory radio from its housing without disconnecting it.
- See the WIRE CHART for vehicle wire color and location.
- Use a multimeter to test the SWI 2 wire. Connect the BLACK test probe to ground (-) and connect the RED test probe to the wire SWI 2 wire. Have the ignition and the radio ON. If the SWI 2 wire is connected, the multimeter will display approximately 5 volts. This value will drop upon pressing the steering wheel voice, phone or OK button.
- Cut the SWI 2 INPUT wire.
- Connect the PINK/RED wire of FO1 T-harness to the SWI 2 INPUT wire going to the steering wheel. Insulate the wire side going to the SYNC module and plug the SYNC harness into the SYNC module.

STEP 3
- Connect the factory harness to the FO1 T-harness. Connect only the available connectors. For example, if the factory harness has two connectors, connect only these two connectors.

STEP 4
- Access the OBDII connector located under the driver side dashboard.
- Connect the RED/BROWN wire of FO1 T-harness to WHITE/BLUE wire of the OBDII connector located at pin 6.
- Connect the YELLOW/BROWN wire of FO1 T-harness to the WHITE wire of the OBDII connector located at pin 14.

NOTE:

STEP 5
- Plug the aftermarket radio harnesses into the aftermarket radio.
- Plug the Data cable to the data port of the aftermarket radio.
- Insert the Audio cable into the iDatalink 3.5 mm audio jack of the aftermarket radio.

NOTE:
In Pioneer radios: plug Audio cable in auxiliary input of the radio.
- Insert the RCA connectors into the aftermarket radio.

NOTES:
The RCA connectors labeled SUB IN can be used to feed the subwoofer channel of the factory amplifier.
The RCA connector labeled CENTER IN can be used to feed the center channel of the THX system or as a second subwoofer channel (if applicable).
The RCA connectors labeled AUX IN can be used to connect the factory 3.5 mm audio jack, in vehicles that are NOT equipped with SYNC, to the auxiliary input of the aftermarket radio.

STEP 6
- Secure the aftermarket radio in the dashboard housing.
- Connect all the harnesses to the Maestro RR module.

MODULE PROGRAMMING
- Open the vehicle driver door, insert the key into the ignition and turn it to the ACC position.
- The OEM Bluetooth is OFF by default. To activate it, go to the radio screen, scroll down to FORD SETUP, press SET, go to the OEM Bluetooth and press ON, then Press the BACK button (circular shaped arrow).
- Scroll down, press FINISH and wait. Press START, then press NEXT.
- Now follow the radio screen instructions while performing the following steps: Turn the key to the OFF position, then to the ACC position, turn it back to the OFF position, then to the ACC position.
- The module is now programmed and ready to be used. To access the new menus, press on FORD FEATURES.
- Test all the functionalities then reassemble the dashboard carefully.
INSTALLATION INSTRUCTIONS

TROUBLESHOOTING TIPS:

• To reset the module back its factory settings, 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.

• For technical assistance call 1-866-427-2999 or e-mail “support@idatalink.com”. Visit us at “maestro.idatalink.com/support” and “www.12voltdata.com/forum/”
WIRING DIAGRAM

STEP 1
CUT AND REMOVE THE SPEAKER WIRE JUNCTION CONNECTORS

- 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 (+)
- BLACK - GROUND
- RED - ACCESSORY (+)
- YELLOW - 12V (+)
- ORANGE - ILLUMINATION (+)
- PURPLE/WHITE - REVERSE LIGHT (+)
- LTGREEN - E-BRAKE (-)
- PINK - VEHICLE SPEED
- YELLOW/BLACK - FOOT BRAKE
- BROWN (NOT CONNECTED)

STEP 2
PINK/RED - SW 2 (-) INPUT
STEERING WHEEL SIDE
INSULATE WIRE
SYNC MODULE SIDE
REFER TO WIRE CHART FOR WIRE LOCATION

STEP 3
FACTORY RADIO HARNESS
WIRE FROM VEHICLE

STEP 4
OBDDII CONNECTOR
RED/BROWN - CAN2H
WHITE/BLUE
YELLOW/BROWN - CAN2L
WHITE
NOTE: PIN SIDE VIEW. CONNECT TO TWISTED WIRES BEHIND CONNECTOR.

STEP 5
CONNECT TO AFTERMARKET RADIO
SUB IN CENTER IN AUX IN

STEP 6
MAESTRO RR MODULE
FO1 T-HARNESS

NOTE: PIN SIDE VIEW. CONNECT TO TWISTED WIRES BEHIND CONNECTOR.
### VEHICLE WIRE REFERENCE CHART

<table>
<thead>
<tr>
<th>Wire Description</th>
<th>Connector Name</th>
<th>Connector Color</th>
<th>Connector Type</th>
<th>Position</th>
<th>Wire Color</th>
<th>Polarity</th>
<th>Wire Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>Can2H</td>
<td>OBDII</td>
<td>-</td>
<td>16 pin</td>
<td>06</td>
<td>White/Blue</td>
<td>[DATA]</td>
<td>OBDII connector, under driver side dash</td>
</tr>
<tr>
<td>Can2L</td>
<td>OBDII</td>
<td>-</td>
<td>16 pin</td>
<td>14</td>
<td>White</td>
<td>[DATA]</td>
<td>OBDII connector, under driver side dash</td>
</tr>
<tr>
<td>SWI 2</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>Blue/Orange</td>
<td>[MUX]</td>
<td>Passenger side, next to glove box.</td>
</tr>
</tbody>
</table>

SWI 2 connection is required only if vehicle is equipped with Sync.
## RADIO WIRE REFERENCE CHART

<table>
<thead>
<tr>
<th>Wire Description</th>
<th>Polarity</th>
<th>Wire Color on Maestro T-Harness</th>
<th>Wire Color on Alpine cable</th>
<th>Wire Color on Kenwood cable</th>
<th>Wire Color on Pioneer cable</th>
</tr>
</thead>
<tbody>
<tr>
<td>Illumination</td>
<td>(+)</td>
<td>Orange</td>
<td>N/A</td>
<td>Orange/White</td>
<td>Orange/White</td>
</tr>
<tr>
<td>Reverse Light</td>
<td>(+)</td>
<td>Purple/White</td>
<td>Orange/White</td>
<td>Purple/White</td>
<td>Purple/White</td>
</tr>
<tr>
<td>E-Brake</td>
<td>(-)</td>
<td>Lt Green</td>
<td>Yellow/Blue</td>
<td>Lt Green</td>
<td>Lt Green</td>
</tr>
<tr>
<td>Foot Brake</td>
<td>(+)</td>
<td>Yellow/Black</td>
<td>Yellow/Black</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>VSS [vehicle speed sensor]</td>
<td>[DATA]</td>
<td>Pink</td>
<td>Green/White</td>
<td>N/A</td>
<td>Pink</td>
</tr>
</tbody>
</table>
INSTALL GUIDE
FORD F-SERIES SUPER DUTY
2011-2016

RETAINS STEERING WHEEL CONTROLS, SYNC VOICE COMMANDS, SYNC BLUETOOTH,
SIRIUS SATELLITE AND MORE!

PRODUCTS REQUIRED
iDataLink Maestro RR Radio Replacement Interface
iDataLink Maestro FO1 Installation Harness

OPTIONAL ACCESSORIES
None

PROGRAMMED Firmware
ADS-RR(SR)-FOR01-DS2

NOTICE: Automotive Data Solutions Inc. (ADS) recommends having this installation performed by a certified technician. Logos and trademarks used here in are the properties of their respective owners.
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

support@idatalink.com

maestro.idatalink.com/support

www.12voltdata.com/forum

TABLE OF CONTENTS

<table>
<thead>
<tr>
<th>Section</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Installation Instructions</td>
<td>3</td>
</tr>
<tr>
<td>Wiring Diagram</td>
<td>5</td>
</tr>
<tr>
<td>Vehicle Wire Reference Chart</td>
<td>6</td>
</tr>
<tr>
<td>Radio Wire Reference Chart</td>
<td>7</td>
</tr>
</tbody>
</table>
INSTALLATION INSTRUCTIONS

STEP 1
- Unbox the aftermarket radio and locate its main harness.
- Cut the WHITE, GRAY, GREEN and PURPLE RCA tips. Connect every wire to the aftermarket radio main harness and match the wire colors.
- Connect every wire from the aftermarket radio main harness to the FO1 T-harness and match the wire colors. (Refer to Diagram)
- Remove the factory radio.

STEP 2
- Connect the factory harness to the FO1 T-harness. Connect only the available connectors. For example, if the factory harness has two connectors, connect only these two connectors.

STEP 3
- Access the OBDII connector located under the driver side dashboard.
- Connect the RED/BROWN wire of FO1 T-harness to WHITE/BLUE wire of the OBDII connector located at pin 6.
- Connect the YELLOW/BROWN wire of FO1 T-harness to the WHITE wire of the OBDII connector located at pin 14.
  NOTE:

STEP 4
- Plug the aftermarket radio harnesses into the aftermarket radio.
- Plug the Data cable to the data port of the aftermarket radio.
- Insert the Audio cable into the iDatalink 3.5 mm audio jack of the aftermarket radio.
  NOTE:
  In Pioneer radios: plug Audio cable in auxiliary input of the radio.

STEP 5
- Secure the aftermarket radio in the dashboard housing.
- Connect all the harnesses to the Maestro RR module.

MODULE PROGRAMMING
- Open the vehicle driver door, insert the key into the ignition and turn it to the ACC position.
- The OEM Bluetooth is OFF by default. To activate it, go to the radio screen, scroll down to FORD SETUP, press SET, go to the OEM Bluetooth and press ON, then Press the BACK button (circular shaped arrow).
- Scroll down, press FINISH and wait. Press START, then press NEXT.
- Now follow the radio screen instructions while performing the following steps: Turn the key to the OFF position, then to the ACC position, turn it back to the OFF position, then to the ACC position.
  The module is now programmed and ready to be used. To access the new menus, press on FORD FEATURES.
- Test all the functionalities then reassemble the dashboard carefully.

• Insert the RCA connectors into the aftermarket radio.
  NOTES:
  The RCA connectors labeled SUB IN can be used to feed the subwoofer channel of the factory amplifier.
  The RCA connector labeled CENTER IN can be used to feed the center channel of the THX system or as a second subwoofer channel (if applicable).
  The RCA connectors labeled AUX IN can be used to connect the factory 3.5 mm audio jack, in vehicles that are NOT equipped with SYNC, to the auxiliary input of the aftermarket radio.
INSTALLATION INSTRUCTIONS

TROUBLESHOOTING TIPS:

• To reset the module back its factory settings, 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.

• For technical assistance call 1-866-427-2999 or e-mail “support@idatalink.com”. Visit us at “maestro.idatalink.com/support” and “www.12voltdata.com/forum/”
WIRING DIAGRAM

STEP 1
CUT AND REMOVE THE SPEAKER WIRE JUNCTION CONNECTORS

- 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 (+)
- BLACK - GROUND
- RED - ACCESSORY (+)
- ORANGE - ILLUMINATION (+)
- PURPLE/WHITE - REVERSE LIGHT (+)
- LTGREEN - E-BRAKE (-)
- PINK - VEHICLE SPEED
- YELLOW/BROWN - FOOT BRAKE
- BROWN (NOT CONNECTED)
- RED/BROWN - CAN2H
- WHITE/BROWN - CAN2L

NOTE: PIN SIDE VIEW. CONNECT TO TWISTED WIRES BEHIND CONNECTOR.

STEP 2
FACTORY RADIO HARNESS

STEP 3
OBDII CONNECTOR

STEP 4
CONNECT TO AFTERMARKET RADIO

DATA CABLE
AUDI0 CABLE

CONNECT AUX IN ONLY IF YOU DON'T HAVE SYNC

STEP 5
MAESTRO RR MODULE

FO1 T-HARNESS

Vehicles Speed

NOTE: PIN SIDE VIEW. CONNECT TO TWISTED WIRES BEHIND CONNECTOR.
### VEHICLE WIRE REFERENCE CHART

<table>
<thead>
<tr>
<th>Wire Description</th>
<th>Connector Name</th>
<th>Connector Color</th>
<th>Connector Type</th>
<th>Position</th>
<th>Wire Color</th>
<th>Polarity</th>
<th>Wire Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>Can2H</td>
<td>OBDII</td>
<td>~ 16 pin</td>
<td>06</td>
<td>White/Blue</td>
<td>[DATA]</td>
<td></td>
<td>OBDII connector, under driver side dash</td>
</tr>
<tr>
<td>Can2L</td>
<td>OBDII</td>
<td>~ 16 pin</td>
<td>14</td>
<td>White</td>
<td>[DATA]</td>
<td></td>
<td>OBDII connector, under driver side dash</td>
</tr>
</tbody>
</table>
# RADIO WIRE REFERENCE CHART

<table>
<thead>
<tr>
<th>Wire Description</th>
<th>Polarity</th>
<th>Wire Color on Maestro T-Harness</th>
<th>Wire Color on Alpine cable</th>
<th>Wire Color on Kenwood cable</th>
<th>Wire Color on Pioneer cable</th>
</tr>
</thead>
<tbody>
<tr>
<td>Illumination</td>
<td>(+)</td>
<td>Orange</td>
<td>N/A</td>
<td>Orange/White</td>
<td>Orange/White</td>
</tr>
<tr>
<td>Reverse Light</td>
<td>(+)</td>
<td>Purple/White</td>
<td>Orange/White</td>
<td>Purple/White</td>
<td>Purple/White</td>
</tr>
<tr>
<td>E-Brake</td>
<td>(-)</td>
<td>Lt Green</td>
<td>Yellow/Blue</td>
<td>Lt Green</td>
<td>Lt Green</td>
</tr>
<tr>
<td>Foot Brake</td>
<td>(+)</td>
<td>Yellow/Black</td>
<td>Yellow/Black</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>VSS (vehicle speed sensor)</td>
<td>[DATA]</td>
<td>Pink</td>
<td>Green/White</td>
<td>N/A</td>
<td>Pink</td>
</tr>
</tbody>
</table>
INSTALL GUIDE
FORD F150
2009-2010
RETAINS STEERING WHEEL CONTROLS SYNC VOICE COMMANDS, SYNC BLUETOOTH, SIRIUS SATELLITE AND MORE!

PRODUCTS REQUIRED
iDatalink Maestro RR Radio Replacement Interface
iDatalink Maestro FO1 Installation Harness

OPTIONAL ACCESSORIES
None

PROGRAMMED FIRMWARE
ADS-RR(SR)-FOR01-DS2

NOTICE: Automotive Data Solutions Inc. (ADS) recommends having this installation performed by a certified technician. Logos and trademarks used here in are the properties of their respective owners.
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

support@idatalink.com

maestro.idatalink.com/support

www.12voltdata.com/forum

TABLE OF CONTENTS

<table>
<thead>
<tr>
<th>Installation Instructions</th>
<th>3</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wiring Diagram</td>
<td>5</td>
</tr>
<tr>
<td>Vehicle Wire Reference Chart</td>
<td>6</td>
</tr>
<tr>
<td>Radio Wire Reference Chart</td>
<td>7</td>
</tr>
</tbody>
</table>
INSTALLATION INSTRUCTIONS

STEP 1
- Unbox the aftermarket radio and locate its main harness.
- Cut the WHITE, GRAY, GREEN and PURPLE RCA tips. Connect every wire to the aftermarket radio main harness and match the wire colors.
- Connect every wire from the aftermarket radio main harness to the FO1 T-harness and match the wire colors. (Refer to Diagram)

STEP 2
[Required for vehicles equipped with SYNC, without factory navigation system; refer to Vehicle Wire Chart]
- Disassemble the dashboard carefully and remove the factory radio from its housing without disconnecting it.
- See the WIRE CHART for vehicle wire color and location.
- Use a multimeter to test the SWI 2 wire. Connect the BLACK test probe to ground (-) and connect the RED test probe to the wire SWI 2 wire. Have the ignition and the radio ON. If the SWI 2 wire is connected, the multimeter will display approximately 5 volts. This value will drop upon pressing the steering wheel voice, phone or OK button.
- Cut the SWI 2 INPUT wire.
- Connect the PINK/RED wire of FO1 T-harness to the SWI 2 INPUT wire going to the steering wheel. Insulate the wire side going to the SYNC module and plug the SYNC harness into the SYNC module.

STEP 3
- Connect the factory harness to the FO1 T-harness. Connect only the available connectors. For example, if the factory harness has two connectors, connect only these two connectors.

STEP 4
- Access the OBDII connector located under the driver side dashboard.
- Connect the RED/BROWN wire of FO1 T-harness to WHITE/BLUE wire of the OBDII connector located at pin 6.
- Connect the YELLOW/BROWN wire of FO1 T-harness to the WHITE wire of the OBDII connector located at pin 14.
NOTE:

STEP 5
- Plug the aftermarket radio harnesses into the aftermarket radio.
- Plug the Data cable to the data port of the aftermarket radio.
- Insert the Audio cable into the iDatalink 3.5 mm audio jack of the aftermarket radio.
NOTE:
In Pioneer radios: plug Audio cable in auxiliary input of the radio.
- Insert the RCA connectors into the aftermarket radio.
NOTES:
The RCA connectors labeled SUB IN can be used to feed the subwoofer channel of the factory amplifier.
The RCA connector labeled CENTER IN can be used to feed the center channel of the THX system or as a second subwoofer channel (if applicable).
The RCA connectors labeled AUX IN can be used to connect the factory 3.5 mm audio jack, in vehicles that are NOT equipped with SYNC, to the auxiliary input of the aftermarket radio.

STEP 6
- Secure the aftermarket radio in the dashboard housing.
- Connect all the harnesses to the Maestro RR module.

MODULE PROGRAMMING
- Open the vehicle driver door, insert the key into the ignition and turn it to the ACC position.
- The OEM Bluetooth is OFF by default. To activate it, go to the radio screen, scroll down to FORD SETUP, press SET, go to the OEM Bluetooth and press ON, then Press the BACK button (circular shaped arrow).
- Scroll down, press FINISH and wait. Press START, then press NEXT.
- Now follow the radio screen instructions while performing the following steps: Turn the key to the OFF position, then to the ACC position, turn it back to the OFF position, then to the ACC position.
The module is now programmed and ready to be used. To access the new menus, press on FORD FEATURES.
- Test all the functionalities then reassemble the dashboard carefully.
INSTALLATION INSTRUCTIONS

TROUBLESHOOTING TIPS:

- To reset the module back its factory settings, 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.

- For technical assistance call 1-866-427-2999 or e-mail “support@idatalink.com”. Visit us at “maestro.idatalink.com/support” and “www.12voltdata.com/forum/”
WIRING DIAGRAM

STEP 1
CUT AND REMOVE THE SPEAKER WIRE JUNCTION CONNECTORS

- 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 (+)
- BLACK - GROUND
- RED - ACCESSORY (+)
- YELLOW - 12V (+)
- ORANGE - ILLUMINATION (+)
- PURPLE/WHITE - REVERSE LIGHT (+)
- LTGREEN - E-BRAKE (-)
- PINK - VEHICLE SPEED
- YELLOW/BLACK - FOOT BRAKE
- BROWN (NOT CONNECTED)

STEP 2
PINK/RED - SWI 2 (-) INPUT

STEP 3
FACTORY RADIO HARNESS

STEP 4
OBDII CONNECTOR

STEP 5
CONNECT TO AFTERMARKET RADIO

STEP 6
MAESTRO RR MODULE
## VEHICLE WIRE REFERENCE CHART

<table>
<thead>
<tr>
<th>Wire Description</th>
<th>Connector Name</th>
<th>Connector Color</th>
<th>Connector Type</th>
<th>Position</th>
<th>Wire Color</th>
<th>Polarity</th>
<th>Wire Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>Can2H</td>
<td>OBDII</td>
<td>-</td>
<td>16 pin</td>
<td>06</td>
<td>White/Blue</td>
<td>[DATA]</td>
<td>OBDII connector, under driver side dash</td>
</tr>
<tr>
<td>Can2L</td>
<td>OBDII</td>
<td>-</td>
<td>16 pin</td>
<td>14</td>
<td>White</td>
<td>[DATA]</td>
<td>OBDII connector, under driver side dash</td>
</tr>
<tr>
<td>SWI 2</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>Blue/Orange</td>
<td>[MUX]</td>
<td>Center dash, under the tray.</td>
</tr>
</tbody>
</table>

SWI 2 connection is required only if vehicle is equipped with Sync.
# RADIO WIRE REFERENCE CHART

<table>
<thead>
<tr>
<th>Wire Description</th>
<th>Polarity</th>
<th>Wire Color on Maestro T-Harness</th>
<th>Wire Color on Alpine cable</th>
<th>Wire Color on Kenwood cable</th>
<th>Wire Color on Pioneer cable</th>
</tr>
</thead>
<tbody>
<tr>
<td>Illumination</td>
<td>(+)</td>
<td>Orange</td>
<td>N/A</td>
<td>Orange/White</td>
<td>Orange/White</td>
</tr>
<tr>
<td>Reverse Light</td>
<td>(+)</td>
<td>Purple/White</td>
<td>Orange/White</td>
<td>Purple/White</td>
<td>Purple/White</td>
</tr>
<tr>
<td>E-Brake</td>
<td>(-)</td>
<td>Lt Green</td>
<td>Yellow/Blue</td>
<td>Lt Green</td>
<td>Lt Green</td>
</tr>
<tr>
<td>Foot Brake</td>
<td>(+)</td>
<td>Yellow/Black</td>
<td>Yellow/Black</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>VSS [vehicle speed sensor]</td>
<td>[DATA]</td>
<td>Pink</td>
<td>Green/White</td>
<td>N/A</td>
<td>Pink</td>
</tr>
</tbody>
</table>
INSTALL GUIDE
FORD F150
2011-2014

RETAINS STEERING WHEEL CONTROLS SYNC VOICE COMMANDS, SYNC BLUETOOTH, SIRIUS SATELLITE AND MORE!

PRODUCTS REQUIRED
iDatalink Maestro RR Radio Replacement Interface
iDatalink Maestro FO1 Installation Harness

OPTIONAL ACCESSORIES
None

PROGRAMMED Firmware
ADS-RR(SR)-FOR01-DS2

NOTICE: Automotive Data Solutions Inc. (ADS) recommends having this installation performed by a certified technician. Logos and trademarks used here in are the properties of their respective owners.
**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

support@idatalink.com

maestro.idatalink.com/support

www.12voltdata.com/forum
INSTALLATION INSTRUCTIONS

STEP 1

• Unbox the aftermarket radio and locate its main harness.
• Cut the WHITE, GRAY, GREEN and PURPLE RCA tips. Connect every wire to the aftermarket radio main harness and match the wire colors.
• Connect every wire from the aftermarket radio main harness to the FO1 T-harness and match the wire colors. (Refer to Diagram)
• Remove the factory radio.

STEP 2

• Connect the factory harness to the FO1 T-harness. Connect only the available connectors. For example, if the factory harness has two connectors, connect only these two connectors.

STEP 3

• Access the OBDII connector located under the driver side dashboard.
• Connect the RED/BROWN wire of FO1 T-harness to WHITE/BLUE wire of the OBDII connector located at pin 6.
• Connect the YELLOW/BROWN wire of FO1 T-harness to the WHITE wire of the OBDII connector located at pin 14.

NOTE:

STEP 4

• Plug the aftermarket radio harnesses into the aftermarket radio.
• Plug the Data cable to the data port of the aftermarket radio.
• Insert the Audio cable into the iDatalink 3.5 mm audio jack of the aftermarket radio.

NOTE:
In Pioneer radios: plug Audio cable in auxiliary input of the radio.

STEP 5

• Secure the aftermarket radio in the dashboardhousing.
• Connect all the harnesses to the Maestro RR module.

MODULE PROGRAMMING

• Open the vehicle driver door, insert the key into the ignition and turn it to the ACC position.
• The OEM Bluetooth is OFF by default. To activate it, go to the radio screen, scroll down to FORD SETUP, press SET, go to the OEM Bluetooth and press ON, then Press the BACK button (circular shaped arrow).
• Scroll down, press FINISH and wait. Press START, then press NEXT.
• Now follow the radio screen instructions while performing the following steps: Turn the key to the OFF position, then to the ACC position, turn it back to the OFF position, then to the ACC position.
• The module is now programmed and ready to be used. To access the new menus, press on FORD FEATURES.
• Test all the functionalities then reassemble the dashboard carefully.
INSTALLATION INSTRUCTIONS

TROUBLESHOOTING TIPS:

- To reset the module back its factory settings, 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.

- For technical assistance call 1-866-427-2999 or e-mail “support@idatalink.com”. Visit us at “maestro.idatalink.com/support” and “www.12voltdata.com/forum/”
WIRING DIAGRAM

STEP 1
Cut and remove the speaker wire junction connectors.

STEP 2
Factory radio harness.

STEP 3
OBDII connector.

STEP 4
Connect to aftermarket radio.

STEP 5
Connect to twisted wires behind the connector.

Wiring Diagram:
- **Connect to Aftermarket Radio**
- **Connect Aux In**
- **Only if you don’t have Sync**

Connect aux in wiring diagram.

- **White** - LF speaker (+)
- **White/Black** - LF speaker (-)
- **Gray/Black** - RF speaker (+)
- **Gray/Black** - RF speaker (-)
- **Purple** - RR speaker (+)
- **Purple/Black** - RR speaker (-)
- **Blue/White** - Amp turn on (+)
- **Black** - Ground
- **Red** - Accessory (+)
- **Yellow** - 12V (+)
- **Orange** - Illumination (+)
- **Purple/White** - Reverse light (+)
- **Brown** - Foot brake
- **Yellow/Black** - Foot brake
- **Green** - LR speaker (+)
- **Green/Black** - LR speaker (-)
- **Gray** - RF speaker (+)
- **Gray/Black** - RF speaker (-)
- **Red/Brown** - CAN2H
- **Yellow/Brown** - CAN2L
- **Red/Brown - CAN2H**
- **White/Blue**
- **Yellow/Brown - CAN2L**
- **White**

NOTE: PIN SIDE VIEW.
Connect to twisted wires behind the connector.
### VEHICLE WIRE REFERENCE CHART

<table>
<thead>
<tr>
<th>Wire Description</th>
<th>Connector Name</th>
<th>Connector Color</th>
<th>Connector Type</th>
<th>Position</th>
<th>Wire Color</th>
<th>Polarity</th>
<th>Wire Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>Can2H</td>
<td>OBDII</td>
<td>-</td>
<td>16 pin</td>
<td>06</td>
<td>White/Blue</td>
<td>[DATA]</td>
<td>OBDII connector, under driver side dash</td>
</tr>
<tr>
<td>Can2L</td>
<td>OBDII</td>
<td>-</td>
<td>16 pin</td>
<td>14</td>
<td>White</td>
<td>[DATA]</td>
<td>OBDII connector, under driver side dash</td>
</tr>
</tbody>
</table>
# RADIO WIRE REFERENCE CHART

<table>
<thead>
<tr>
<th>Wire Description</th>
<th>Polarity</th>
<th>Wire Color on Maestro T-Harness</th>
<th>Wire Color on Alpine cable</th>
<th>Wire Color on Kenwood cable</th>
<th>Wire Color on Pioneer cable</th>
</tr>
</thead>
<tbody>
<tr>
<td>Illumination</td>
<td>(+)</td>
<td>Orange</td>
<td>N/A</td>
<td>Orange/White</td>
<td>Orange/White</td>
</tr>
<tr>
<td>Reverse Light</td>
<td>(+)</td>
<td>Purple/White</td>
<td>Orange/White</td>
<td>Purple/White</td>
<td>Purple/White</td>
</tr>
<tr>
<td>E-Brake</td>
<td>(-)</td>
<td>Lt Green</td>
<td>Yellow/Blue</td>
<td>Lt Green</td>
<td>Lt Green</td>
</tr>
<tr>
<td>Foot Brake</td>
<td>(+)</td>
<td>Yellow/Black</td>
<td>Yellow/Black</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>VSS [vehicle speed sensor]</td>
<td>[DATA]</td>
<td>Pink</td>
<td>Green/White</td>
<td>N/A</td>
<td>Pink</td>
</tr>
</tbody>
</table>
INSTALL GUIDE
FORD FIVE HUNDRED
2006-2007

RETAINS STEERING WHEEL CONTROLS, SYNC VOICE COMMANDS, SYNC BLUETOOTH, SIRIUS SATELLITE AND MORE!

NOTICE: Automotive Data Solutions Inc. (ADS) recommends having this installation performed by a certified technician. Logos and trademarks used here in are the properties of their respective owners.
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

support@idatalink.com

maestro.idatalink.com/support

www.12voltdata.com/forum

TABLE OF CONTENTS

<table>
<thead>
<tr>
<th>Installation Instructions</th>
<th>3</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wiring Diagram</td>
<td>5</td>
</tr>
<tr>
<td>Vehicle Wire Reference Chart</td>
<td>6</td>
</tr>
<tr>
<td>Radio Wire Reference Chart</td>
<td>7</td>
</tr>
</tbody>
</table>
INSTALLATION INSTRUCTIONS

STEP 1
- Unbox the aftermarket radio and locate its main harness.
- Cut the WHITE, GRAY, GREEN and PURPLE RCA tips. Connect every wire to the aftermarket radio main harness and match the wire colors.
- Cut the WHITE, GRAY, GREEN and PURPLE RCA tips. Connect every wire from the aftermarket radio main harness to the FO1 T-harness and match the wire colors. (Refer to Diagram)
- Remove the factory radio.

STEP 2
- Connect the factory harness to the FO1 T-harness. Connect only the available connectors. For example, if the factory harness has two connectors, connect only these two connectors.

STEP 3
- Access the OBDII connector located under the driver side dashboard.
- Connect the RED/BROWN wire of FO1 T-harness to WHITE/BLUE wire of the OBDII connector located at pin 6.
- Connect the YELLOW/BROWN wire of FO1 T-harness to the WHITE wire of the OBDII connector located at pin 14.

NOTE:

STEP 4
- Plug the aftermarket radio harnesses into the aftermarket radio.
- Plug the Data cable to the data port of the aftermarket radio.
- Insert the Audio cable into the iDatalink 3.5 mm audio jack of the aftermarket radio.

NOTE:
In Pioneer radios: plug Audio cable in auxiliary input of the radio.

STEP 5
- Insert the RCA connectors into the aftermarket radio.

NOTES:
The RCA connectors labeled SUB IN can be used to feed the subwoofer channel of the factory amplifier.
The RCA connector labeled CENTER IN can be used to feed the center channel of the THX system or as a second subwoofer channel (if applicable).
The RCA connectors labeled AUX IN can be used to connect the factory 3.5 mm audio jack, in vehicles that are NOT equipped with SYNC, to the auxiliary input of the aftermarket radio.

MODULE PROGRAMMING
- Open the vehicle driver door, insert the key into the ignition and turn it to the ACC position.
- The OEM Bluetooth is OFF by default. To activate it, go to the radio screen, scroll down to FORD SETUP, press SET, go to the OEM Bluetooth and press ON, then Press the BACK button (circular shaped arrow).
- Scroll down, press FINISH and wait. Press START, then press NEXT.
- Now follow the radio screen instructions while performing the following steps: Turn the key to the OFF position, then to the ACC position, turn it back to the OFF position, then to the ACC position.
- The module is now programmed and ready to be used. To access the new menus, press on FORD FEATURES.
- Test all the functionalities then reassemble the dashboard carefully.
INSTALLATION INSTRUCTIONS

TROUBLESHOOTING TIPS:

• To reset the module back its factory settings, 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.

• For technical assistance call 1-866-427-2999 or e-mail “support@idatalink.com”. Visit us at “maestro.idatalink.com/support” and “www.12voltdata.com/forum/”
WIRING DIAGRAM

**STEP 1**

- Cut and remove the speaker wire junction connectors.

**STEP 2**

- Factory radio harness.

**STEP 3**

- OBDII connector.

**STEP 4**

- Main harness.

**STEP 5**

- Connect to aftermarket radio.

**Notes:**
- Pin side view.
- Connect to twisted wires behind connector.

**Connect AUX IN only if you don’t have SYNC.**

**White** - LF speaker (+)
**White/Black** - LF speaker (-)
**Gray/Black** - RF speaker (+)
**Gray** - RF speaker (-)
**Green** - LR speaker (+)
**Green/Black** - LR speaker (-)
**Purple** - RR speaker (+)
**Purple/Black** - RR speaker (-)
**Yellow/Black** - Foot brake
**Brown (Not Connected)**

**Step 1:** Cut and remove the speaker wire junction connectors.

**Step 2:** Factory radio harness.

**Step 3:** OBDII connector.

**Step 4:** Main harness.

**Step 5:** Connect to aftermarket radio.
# VEHICLE WIRE REFERENCE CHART

<table>
<thead>
<tr>
<th>Wire Description</th>
<th>Connector Name</th>
<th>Connector Color</th>
<th>Connector Type</th>
<th>Position</th>
<th>Wire Color</th>
<th>Polarity</th>
<th>Wire Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>Can2H OBDII</td>
<td>-</td>
<td>16 pin</td>
<td>06</td>
<td>White/Blue (DATA)</td>
<td>OBDII connector, under driver side dash</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Can2L OBDII</td>
<td>-</td>
<td>16 pin</td>
<td>14</td>
<td>White</td>
<td>[DATA]</td>
<td>OBDII connector, under driver side dash</td>
<td></td>
</tr>
</tbody>
</table>
## RADIO WIRE REFERENCE CHART

<table>
<thead>
<tr>
<th>Wire Description</th>
<th>Polarity</th>
<th>Wire Color on Maestro T-Harness</th>
<th>Wire Color on Alpine cable</th>
<th>Wire Color on Kenwood cable</th>
<th>Wire Color on Pioneer cable</th>
</tr>
</thead>
<tbody>
<tr>
<td>Illumination</td>
<td>(+)</td>
<td>Orange</td>
<td>N/A</td>
<td>Orange/White</td>
<td>Orange/White</td>
</tr>
<tr>
<td>Reverse Light</td>
<td>(+)</td>
<td>Purple/White</td>
<td>Orange/White</td>
<td>Purple/White</td>
<td>Purple/White</td>
</tr>
<tr>
<td>E-Brake</td>
<td>(-)</td>
<td>Lt Green</td>
<td>Yellow/Blue</td>
<td>Lt Green</td>
<td>Lt Green</td>
</tr>
<tr>
<td>Foot Brake</td>
<td>(+)</td>
<td>Yellow/Black</td>
<td>Yellow/Black</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>VSS [vehicle speed sensor]</td>
<td>[DATA]</td>
<td>Pink</td>
<td>Green/White</td>
<td>N/A</td>
<td>Pink</td>
</tr>
</tbody>
</table>
OPTIONAL ACCESSORIES
None

PROGRAMMED FIRMWARE
ADS-RR(SR)-FOR01-DS2

PRODUCTS REQUIRED
iDatalink Maestro RR Radio Replacement Interface
iDatalink Maestro FO1 Installation Harness

NOTICE: Automotive Data Solutions Inc. (ADS) recommends having this installation performed by a certified technician. Logos and trademarks used here in are the properties of their respective owners.
WELCOME

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

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

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

TABLE OF CONTENTS

- Installation Instructions 3
- Wiring Diagram 5
- Vehicle Wire Reference Chart 6
- Radio Wire Reference Chart 7

NEED HELP?

1 866 427-2999

support@idatalink.com

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

STEP 1
- Unbox the aftermarket radio and locate its main harness.
- Cut the WHITE, GRAY, GREEN and PURPLE RCA tips. Connect every wire to the aftermarket radio main harness and match the wire colors.
- Connect every wire from the aftermarket radio main harness to the FO1 T-harness and match the wire colors. (Refer to Diagram)

STEP 2
(Required for vehicles equipped with SYNC, without factory navigation system; refer to Vehicle Wire Chart)
- Disassemble the dashboard carefully and remove the factory radio from its housing without disconnecting it.
- See the WIRE CHART for vehicle wire color and location.
- Use a multimeter to test the SWI 2 wire. Connect the BLACK test probe to ground (−) and connect the RED test probe to the wire SWI 2 wire. Have the ignition and the radio ON. If the SWI 2 wire is connected, the multimeter will display approximately 5 volts. This value will drop upon pressing the steering wheel voice, phone or OK button.
- Cut the SWI 2 INPUT wire.
- Connect the PINK/RED wire of FO1 T-harness to the SWI 2 INPUT wire going to the steering wheel. Insulate the wire side going to the SYNC module and plug the SYNC harness into the SYNC module.

STEP 3
- Connect the factory harness to the FO1 T-harness. Connect only the available connectors. For example, if the factory harness has two connectors, connect only these two connectors.

STEP 4
- Access the OBDII connector located under the driver side dashboard.
- Connect the RED/BROWN wire of FO1 T-harness to WHITE/BLUE wire of the OBDII connector located at pin 6.
- Connect the YELLOW/BROWN wire of FO1 T-harness to the WHITE wire of the OBDII connector located at pin 14.

NOTE:

STEP 5
- Plug the aftermarket radio harnesses into the aftermarket radio.
- Plug the Data cable to the data port of the aftermarket radio.
- Insert the Audio cable into the iDatalink 3.5 mm audio jack of the aftermarket radio.

NOTE:
In Pioneer radios: plug Audio cable in auxiliary input of the radio.
- Insert the RCA connectors into the aftermarket radio.

NOTES:
The RCA connectors labeled SUB IN can be used to feed the subwoofer channel of the factory amplifier.
The RCA connector labeled CENTER IN can be used to feed the center channel of the THX system or as a second subwoofer channel (if applicable).
The RCA connectors labeled AUX IN can be used to connect the factory 3.5 mm audio jack, in vehicles that are NOT equipped with SYNC, to the auxiliary input of the aftermarket radio.

STEP 6
- Secure the aftermarket radio in the dashboard housing.
- Connect all the harnesses to the Maestro RR module.

MODULE PROGRAMMING
- Open the vehicle driver door, insert the key into the ignition and turn it to the ACC position.
- The OEM Bluetooth is OFF by default. To activate it, go to the radio screen, scroll down to FORD SETUP, press SET, go to the OEM Bluetooth and press ON, then Press the BACK button (circular shaped arrow).
- Scroll down, press FINISH and wait. Press START, then press NEXT.
- Now follow the radio screen instructions while performing the following steps: Turn the key to the OFF position, then to the ACC position, turn it back to the OFF position, then to the ACC position.
- The module is now programmed and ready to be used. To access the new menus, press on FORD FEATURES.
- Test all the functionalities then reassemble the dashboard carefully.
INSTALLATION INSTRUCTIONS

TROUBLESHOOTING TIPS:

• To reset the module back its factory settings, 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.

• For technical assistance call 1-866-427-2999 or e-mail “support@idatalink.com”. Visit us at “maestro.idatalink.com/support” and “www.12voltdata.com/forum/”
WIRING DIAGRAM

STEP 1
CUT AND REMOVE THE SPEAKER WIRE JUNCTION CONNECTORS

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 (+)
BLACK - GROUND
RED - ACCESSORY (+)
YELLOW - 12V (+)
ORANGE - ILLUMINATION (+)
PURPLE/WHITE - REVERSE LIGHT (+)
LIGHTGREEN - E-BRAKE (-)
PINK - VEHICLE SPEED
YELLOW/BLACK - FOOT BRAKE
BROWN (NOT CONNECTED)

STEP 2
PINK/RED - SW 2 (-) INPUT
STEERING WHEEL SIDE
Refer to wire chart for wire location
INSULATE WIRE
SYNC MODULE SIDE

STEP 3
FACTORY RADIO HARNESS
WIRING HOUSING WITH 16-WIRE HARNESS
REAR VIEW MIRROR HARNESS
REFER TO WIRE CHART FOR WIRE LOCATION
WIRE FROM VEHICLE:
RED/BROWN - CAN2H
YELLOW/BROWN - CAN2L
WHITE/BLUE

STEP 4
OBDII CONNECTOR
RED/BROWN - CAN2H
YELLOW/BROWN - CAN2L
WHITE/BLUE
WHITE

STEP 5
CONNECT AUX IN ONLY IF YOU DON'T HAVE SYNC

STEP 6
CONNECT TO AFTERMARKET RADIO
FO1 T-HARNESS

NOTE: PIN SIDE VIEW.
CONNECT TO TWISTED WIRES BEHIND CONNECTOR.
## VEHICLE WIRE REFERENCE CHART

<table>
<thead>
<tr>
<th>Wire Description</th>
<th>Connector Name</th>
<th>Connector Color</th>
<th>Connector Type</th>
<th>Position</th>
<th>Wire Color</th>
<th>Polarity</th>
<th>Wire Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>Can2H</td>
<td>OBDII</td>
<td>-</td>
<td>16 pin</td>
<td>06</td>
<td>White/Blue</td>
<td>[DATA]</td>
<td>OBDII connector, under driver side dash</td>
</tr>
<tr>
<td>Can2L</td>
<td>OBDII</td>
<td>-</td>
<td>16 pin</td>
<td>14</td>
<td>White</td>
<td>[DATA]</td>
<td>OBDII connector, under driver side dash</td>
</tr>
<tr>
<td>SWI 2</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Blue/Orange</td>
<td>[MUX]</td>
<td>Center console, junctionconnector, in front of the shifter.</td>
</tr>
</tbody>
</table>

SWI 2 connection is required only if vehicle is equipped with Sync.
# RADIO WIRE REFERENCE CHART

<table>
<thead>
<tr>
<th>Wire Description</th>
<th>Polarity</th>
<th>Wire Color on Maestro T-Harness</th>
<th>Wire Color on Alpine cable</th>
<th>Wire Color on Kenwood cable</th>
<th>Wire Color on Pioneer cable</th>
</tr>
</thead>
<tbody>
<tr>
<td>Illumination (+)</td>
<td>Orange</td>
<td>N/A</td>
<td>Orange/White</td>
<td>Orange/White</td>
<td>Orange/White</td>
</tr>
<tr>
<td>Reverse Light (+)</td>
<td>Purple/White</td>
<td>Orange/White</td>
<td>Purple/White</td>
<td>Purple/White</td>
<td>Purple/White</td>
</tr>
<tr>
<td>E-Brake (-)</td>
<td>Lt Green</td>
<td>Yellow/Blue</td>
<td>Lt Green</td>
<td>Lt Green</td>
<td>Lt Green</td>
</tr>
<tr>
<td>Foot Brake (+)</td>
<td>Yellow/Black</td>
<td>Yellow/Black</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>VSS (vehicle speed sensor) [DATA]</td>
<td>Pink</td>
<td>Green/White</td>
<td>N/A</td>
<td>N/A</td>
<td>Pink</td>
</tr>
</tbody>
</table>
INSTALL GUIDE
FORD FOCUS
2008-2011
RETAINS STEERING WHEEL CONTROLS, SYNC VOICE COMMANDS, SYNC BLUETOOTH, SIRIUS SATELLITE AND MORE!

PRODUCTS REQUIRED
iDatalink Maestro RR Radio Replacement Interface
iDatalink Maestro FO1 Installation Harness

OPTIONAL ACCESSORIES
None

PROGRAMMED Firmware
ADS-RR(SR)-FOR01-DS2

NOTICE: Automotive Data Solutions Inc. (ADS) recommends having this installation performed by a certified technician. Logos and trademarks used here in are the properties of their respective owners.
WELCOME

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

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

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

TABLE OF CONTENTS

Installation Instructions 3
Wiring Diagram 5
Vehicle Wire Reference Chart 6
Radio Wire Reference Chart 7

NEED HELP?

1 866 427-2999
support@idatalink.com
maestro.idatalink.com/support
www.12voltdata.com/forum
INSTALLATION INSTRUCTIONS

STEP 1

• Unbox the aftermarket radio and locate its main harness.
• Cut the WHITE, GRAY, GREEN and PURPLE RCA tips. Connect every wire to the aftermarket radio main harness and match the wire colors.
• Connect every wire from the aftermarket radio main harness to the FO1 T-harness and match the wire colors. (Refer to Diagram)

STEP 2

(Required for vehicles equipped with SYNC, without factory navigation system; refer to Vehicle Wire Chart)

• Disassemble the dashboard carefully and remove the factory radio from its housing without disconnecting it.
• See the WIRE CHART for vehicle wire color and location.
• Use a multimeter to test the SWI 2 wire. Connect the BLACK test probe to ground (-) and connect the RED test probe to the wire SWI 2 wire. Have the ignition and the radio ON. If the SWI 2 wire is connected, the multimeter will display approximately 5 volts. This value will drop upon pressing the steering wheel voice, phone or OK button.
• Cut the SWI 2 INPUT wire.
• Connect the PINK/RED wire of FO1 T-harness to the SWI 2 INPUT wire going to the steering wheel. Insulate the wire side going to the SYNC module and plug the SYNC harness into the SYNC module.

STEP 3

• Connect the factory harness to the FO1 T-harness. Connect only the available connectors. For example, if the factory harness has two connectors, connect only these two connectors.

STEP 4

• Access the OBDII connector located under the driver side dashboard.
• Connect the RED/BROWN wire of FO1 T-harness to WHITE/BLUE wire of the OBDII connector located at pin 6.
• Connect the YELLOW/BROWN wire of FO1 T-harness to the WHITE wire of the OBDII connector located at pin 14.

NOTE:

STEP 5

• Plug the aftermarket radio harnesses into the aftermarket radio.
• Plug the Data cable to the data port of the aftermarket radio.
• Insert the Audio cable into the iDatalink 3.5 mm audio jack of the aftermarket radio.

NOTE:
In Pioneer radios: plug Audio cable in auxiliary input of the radio.

• Insert the RCA connectors into the aftermarket radio.

NOTES:
The RCA connectors labeled SUB IN can be used to feed the subwoofer channel of the factory amplifier.
The RCA connector labeled CENTER IN can be used to feed the center channel of the THX system or as a second subwoofer channel (if applicable).
The RCA connectors labeled AUX IN can be used to connect the factory 3.5 mm audio jack, in vehicles that are NOT equipped with SYNC, to the auxiliary input of the aftermarket radio.

STEP 6

• Secure the aftermarket radio in the dashboard housing.
• Connect all the harnesses to the Maestro RR module.

MODULE PROGRAMMING

• Open the vehicle driver door, insert the key into the ignition and turn it to the ACC position.
• The OEM Bluetooth is OFF by default. To activate it, go to the radio screen, scroll down to FORD SETUP, press SET, go to the OEM Bluetooth and press ON, then Press the BACK button (circular shaped arrow).
• Scroll down, press FINISH and wait. Press START, then press NEXT.
• Now follow the radio screen instructions while performing the following steps: Turn the key to the OFF position, then to the ACC position, turn it back to the OFF position, then to the ACC position.
The module is now programmed and ready to be used. To access the new menus, press on FORD FEATURES.
• Test all the functionalities then reassemble the dashboard carefully.
INSTALLATION INSTRUCTIONS

TROUBLESHOOTING TIPS:

- To reset the module back its factory settings, 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.

- For technical assistance call 1-866-427-2999 or e-mail “support@idatalink.com”. Visit us at “maestro.idatalink.com/support” and “www.12voltdata.com/forum/”
**WIRING DIAGRAM**

**STEP 1**
CUT AND REMOVE THE SPEAKER WIRE JUNCTION CONNECTORS

- WHITE - LF SPEAKER (+)
- WHITE/BLACK - LF SPEAKER (-)
- GRAY - RF SPEAKER (+)
- GRAY/BLACK - RF SPEAKER (-)
- PURPLE - RR SPEAKER (+)
- PURPLE/BLACK - RR SPEAKER (-)
- BLUE/WHITE - AMP TURN ON (+)
- BLACK - GROUND
- RED - ACCESSORY (+)
- YELLOW - 12V (+)
- ORANGE - ILLUMINATION (+)
- PURPLE/WHITE - REVERSE LIGHT (+)
- LTGREEN - E-BRAKE (-)
- PINK - VEHICLE SPEED
- YELLOW/BLACK - FOOT BRAKE
- BROWN (NOT CONNECTED)

**STEP 2**
PINK/RED - SW 2 (-) INPUT

- INSULATE WIRE
- REFER TO WIRE CHART FOR WIRE LOCATION

**STEP 3**
FACTORY RADIO HARNESS

**STEP 4**
OBDII CONNECTOR

- RED/BROWN - CAN2H
- YELLOW/BROWN - CAN2L
- WHITE/BLUE
- WHITE

**STEP 5**
CONNECT TO AFTERMARKET RADIO

**STEP 6**
CONNECT AUX IN ONLY IF YOU DON'T HAVE SYNC

- SEE RADIO WIRE COLORS
- REFERENCE CHART

- REFRAIN FROM CONNECTING THE 12V (+) WIRE TO THE STEERING COLUMN TERMINAL OR THE ILLUMINATION WIRE TO THE 12V (+) TERMINAL.

- WIRING DIAGRAM:

1. **STEP 1:** Cut and remove the speaker wire junction connectors.
2. **STEP 2:** Connect the pink/red wire to the steering wheel side.
3. **STEP 3:** Connect the factory radio harness.
4. **STEP 4:** Connect the ODBII connector.
5. **STEP 5:** Connect to the aftermarket radio.
6. **STEP 6:** Connect aux in only if you don't have sync.
# VEHICLE WIRE REFERENCE CHART

<table>
<thead>
<tr>
<th>Wire Description</th>
<th>Connector Name</th>
<th>Connector Color</th>
<th>Connector Type</th>
<th>Position</th>
<th>Wire Color</th>
<th>Polarity</th>
<th>Wire Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>Can2H</td>
<td>OBDII</td>
<td>-</td>
<td>16 pin</td>
<td>06</td>
<td>White/Blue</td>
<td>[DATA]</td>
<td>OBDII connector, under driver side dash</td>
</tr>
<tr>
<td>Can2L</td>
<td>OBDII</td>
<td>-</td>
<td>16 pin</td>
<td>14</td>
<td>White</td>
<td>[DATA]</td>
<td>OBDII connector, under driver side dash</td>
</tr>
<tr>
<td>SWI 2</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>Blue/Orange</td>
<td>[MUX]</td>
<td>Center console, horizontal harness on the heater box.</td>
</tr>
</tbody>
</table>

SWI 2 connection is required only if vehicle is equipped with Sync.
## RADIO WIRE REFERENCE CHART

<table>
<thead>
<tr>
<th>Wire Description</th>
<th>Polarity</th>
<th>Wire Color on Maestro T-Harness</th>
<th>Wire Color on Alpine cable</th>
<th>Wire Color on Kenwood cable</th>
<th>Wire Color on Pioneer cable</th>
</tr>
</thead>
<tbody>
<tr>
<td>Illumination (+)</td>
<td>Orange</td>
<td>N/A</td>
<td>Orange/White</td>
<td>Orange/White</td>
<td>Orange/White</td>
</tr>
<tr>
<td>Reverse Light (+)</td>
<td>Purple/White</td>
<td>Orange/White</td>
<td>Purple/White</td>
<td>Purple/White</td>
<td>Purple/White</td>
</tr>
<tr>
<td>E-Brake (-)</td>
<td>Lt Green</td>
<td>Yellow/Blue</td>
<td>Lt Green</td>
<td>Lt Green</td>
<td>Lt Green</td>
</tr>
<tr>
<td>Foot Brake (+)</td>
<td>Yellow/Black</td>
<td>Yellow/Black</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>VSS [vehicle speed sensor] (DATA)</td>
<td>Pink</td>
<td>Green/White</td>
<td>N/A</td>
<td>N/A</td>
<td>Pink</td>
</tr>
</tbody>
</table>
INSTALL GUIDE
FORD FUSION
2006-2012

RETAINS STEERING WHEEL CONTROLS, SYNC VOICE COMMANDS, SYNC BLUETOOTH, SIRIUS SATELLITE AND MORE!

PRODUCTS REQUIRED
iDatalink Maestro RR Radio Replacement Interface
iDatalink Maestro FO1 Installation Harness

OPTIONAL ACCESSORIES
None

PROGRAMMED Firmware
ADS-RR(SR)-FOR01-DS2

NOTICE: Automotive Data Solutions Inc. (ADS) recommends having this installation performed by a certified technician. Logos and trademarks used here in are the properties of their respective owners.
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

support@idatalink.com

maestro.idatalink.com/support

www.12voltdata.com/forum

TABLE OF CONTENTS

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Installation Instructions</td>
<td>3</td>
</tr>
<tr>
<td>Wiring Diagram</td>
<td>5</td>
</tr>
<tr>
<td>Vehicle Wire Reference Chart</td>
<td>6</td>
</tr>
<tr>
<td>Radio Wire Reference Chart</td>
<td>7</td>
</tr>
</tbody>
</table>
INSTALLATION INSTRUCTIONS

STEP 1
- Unbox the aftermarket radio and locate its main harness.
- Cut the WHITE, GRAY, GREEN and PURPLE RCA tips. Connect every wire to the aftermarket radio main harness and match the wire colors.
- Connect every wire from the aftermarket radio main harness to the FO1 T-harness and match the wire colors. (Refer to Diagram)

STEP 2
(Required for vehicles equipped with SYNC, without factory navigation system; refer to Vehicle Wire Chart)
- Disassemble the dashboard carefully and remove the factory radio from its housing without disconnecting it.
- See the WIRE CHART for vehicle wire color and location.
- Use a multimeter to test the SWI 2 wire. Connect the BLACK test probe to ground (-) and connect the RED test probe to the wire SWI 2 wire. Have the ignition and the radio ON. If the SWI 2 wire is connected, the multimeter will display approximately 5 volts. This value will drop upon pressing the steering wheel voice, phone or OK button.
- Cut the SWI 2 INPUT wire.
- Connect the PINK/RED wire of FO1 T-harness to the SWI 2 INPUT wire going to the steering wheel. Insulate the wire side going to the SYNC module and plug the SYNC harness into the SYNC module.

STEP 3
- Connect the factory harness to the FO1 T-harness. Connect only the available connectors. For example, if the factory harness has two connectors, connect only these two connectors.

STEP 4
- Access the OBDII connector located under the driver side dashboard.
- Connect the RED/BROWN wire of FO1 T-harness to WHITE/BLUE wire of the OBDII connector located at pin 6.
- Connect the YELLOW/BROWN wire of FO1 T-harness to the WHITE wire of the OBDII connector located at pin 14.

STEP 5
- Plug the aftermarket radio harnesses into the aftermarket radio.
- Plug the Data cable to the data port of the aftermarket radio.
- Insert the Audio cable into the iDatalink 3.5 mm audio jack of the aftermarket radio.

NOTE:
In Pioneer radios: plug Audio cable in auxiliary input of the radio.
- Insert the RCA connectors into the aftermarket radio.
NOTES:
The RCA connectors labeled SUB IN can be used to feed the subwoofer channel of the factory amplifier.
The RCA connector labeled CENTER IN can be used to feed the center channel of the THX system or as a second subwoofer channel (if applicable).
The RCA connectors labeled AUX IN can be used to connect the factory 3.5 mm audio jack, in vehicles that are NOT equipped with SYNC, to the auxiliary input of the aftermarket radio.

STEP 6
- Secure the aftermarket radio in the dashboard housing.
- Connect all the harnesses to the Maestro RR module.

MODULE PROGRAMMING
- Open the vehicle driver door, insert the key into the ignition and turn it to the ACC position.
- The OEM Bluetooth is OFF by default. To activate it, go to the radio screen, scroll down to FORD SETUP, press SET, go to the OEM Bluetooth and press ON, then Press the BACK button [circular shaped arrow].
- Scroll down, press FINISH and wait. Press START, then press NEXT.
- Now follow the radio screen instructions while performing the following steps: Turn the key to the OFF position, then to the ACC position, turn it back to the OFF position, then to the ACC position.
The module is now programmed and ready to be used. To access the new menus, press on FORD FEATURES.
- Test all the functionalities then reassemble the dashboard carefully.
INSTALLATION INSTRUCTIONS

TROUBLESHOOTING TIPS:

• To reset the module back its factory settings, 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.

• For technical assistance call 1-866-427-2999 or e-mail “support@idatalink.com”. Visit us at “maestro.idatalink.com/support” and “www.12voltdata.com/forum/”
WIRING DIAGRAM

STEP 1
CUT AND REMOVE THE SPEAKER WIRE JUNCTION CONNECTORS

WHITE - LF SPEAKER (+)
WHITE/BLACK - LF SPEAKER (-)
GRAY - RF SPEAKER (+)
GRAY/BLACK - RF SPEAKER (-)
PURPLE - RR SPEAKER (+)
PURPLE/BLACK - RR SPEAKER (-)
BLUE/WHITE - AMP TURN ON (+)
BLACK - GROUND
RED - ACCESSORY (+)
YELLOW - 12V (+)
ORANGE - ILLUMINATION (+)
PURPLE/WHITE - REVERSE LIGHT (+)
LTGREEN - E-BRAKE (-)
PINK - VEHICLE SPEED
YELLOW/BLACK - FOOT BRAKE
BROWN (NOT CONNECTED)

STEP 2
PINK/RED - SWI 2 (-) INPUT
INSULATE WIRE
REFER TO WIRE CHART FOR WIRE LOCATION

STEP 3
FACTORY RADIO HARNESS
WIRE FROM VEHICLE

STEP 4
OBDII CONNECTOR
WHITE/BLUE
YELLOW/BROWN - CAN2L

STEP 5
CONNECT TO AFTERMARKET RADIO

STEP 6
CONNECT AUX IN ONLY IF YOU DON'T HAVE SYNC

FO1 T-HARNESS

NOTE: PIN SIDE VIEW.
CONNECT TO TWISTED WIRES BEHIND CONNECTOR.
## VEHICLE WIRE REFERENCE CHART

<table>
<thead>
<tr>
<th>Wire Description</th>
<th>Connector Name</th>
<th>Connector Color</th>
<th>Connector Type</th>
<th>Position</th>
<th>Wire Color</th>
<th>Polarity</th>
<th>Wire Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>Can2H</td>
<td>OBDII</td>
<td>-</td>
<td>16 pin</td>
<td>06</td>
<td>White/Blue</td>
<td>[DATA]</td>
<td>OBDII connector, under driver side dash</td>
</tr>
<tr>
<td>Can2L</td>
<td>OBDII</td>
<td>-</td>
<td>16 pin</td>
<td>14</td>
<td>White</td>
<td>[DATA]</td>
<td>OBDII connector, under driver side dash</td>
</tr>
<tr>
<td>SWI 2</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>Blue/Orange</td>
<td>[MUX]</td>
<td>Center console, right side, in front of the arm rest.</td>
</tr>
</tbody>
</table>

SWI 2 connection is required only if vehicle is equipped with Sync.
# RADIO WIRE REFERENCE CHART

<table>
<thead>
<tr>
<th>Wire Description</th>
<th>Polarity</th>
<th>Wire Color on Maestro T-Harness</th>
<th>Wire Color on Alpine cable</th>
<th>Wire Color on Kenwood cable</th>
<th>Wire Color on Pioneer cable</th>
</tr>
</thead>
<tbody>
<tr>
<td>Illumination</td>
<td>[+]</td>
<td>Orange</td>
<td>N/A</td>
<td>Orange/White</td>
<td>Orange/White</td>
</tr>
<tr>
<td>Reverse Light</td>
<td>[+]</td>
<td>Purple/White</td>
<td>Orange/White</td>
<td>Purple/White</td>
<td>Purple/White</td>
</tr>
<tr>
<td>E-Brake</td>
<td>[–]</td>
<td>Lt Green</td>
<td>Yellow/Blue</td>
<td>Lt Green</td>
<td>Lt Green</td>
</tr>
<tr>
<td>Foot Brake</td>
<td>[+]</td>
<td>Yellow/Black</td>
<td>Yellow/Black</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>VSS [vehicle speed sensor]</td>
<td>[DATA]</td>
<td>Pink</td>
<td>Green/White</td>
<td>N/A</td>
<td>Pink</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Wire Description</th>
<th>Polarity</th>
<th>Wire Color on Maestro T-Harness</th>
<th>Wire Color on Alpine cable</th>
<th>Wire Color on Kenwood cable</th>
<th>Wire Color on Pioneer cable</th>
</tr>
</thead>
<tbody>
<tr>
<td>Illumination</td>
<td>[+]</td>
<td>Orange</td>
<td>N/A</td>
<td>Orange/White</td>
<td>Orange/White</td>
</tr>
<tr>
<td>Reverse Light</td>
<td>[+]</td>
<td>Purple/White</td>
<td>Orange/White</td>
<td>Purple/White</td>
<td>Purple/White</td>
</tr>
<tr>
<td>E-Brake</td>
<td>[–]</td>
<td>Lt Green</td>
<td>Yellow/Blue</td>
<td>Lt Green</td>
<td>Lt Green</td>
</tr>
<tr>
<td>Foot Brake</td>
<td>[+]</td>
<td>Yellow/Black</td>
<td>Yellow/Black</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>VSS [vehicle speed sensor]</td>
<td>[DATA]</td>
<td>Pink</td>
<td>Green/White</td>
<td>N/A</td>
<td>Pink</td>
</tr>
</tbody>
</table>
OPTIONAL ACCESSORIES
None

PROGRAMMED FIRMWARE
ADS-RR(SR)-FOR01-DS2

PRODUCTS REQUIRED
iDatalink Maestro RR Radio Replacement Interface
iDatalink Maestro FO1 Installation Harness

INSTALL GUIDE
FORD MUSTANG
2007-2012

RETAINS STEERING WHEEL CONTROLS SYNC VOICE COMMANDS, SYNC BLUETOOTH, SIRIUS SATELLITE AND MORE!

NOTICE: Automotive Data Solutions Inc. (ADS) recommends having this installation performed by a certified technician. Logos and trademarks used here in are the properties of their respective owners.
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

support@idatalink.com

maestro.idatalink.com/support

www.12voltdata.com/forum

TABLE OF CONTENTS

<table>
<thead>
<tr>
<th>Section</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Installation Instructions</td>
<td>3</td>
</tr>
<tr>
<td>Wiring Diagram</td>
<td>5</td>
</tr>
<tr>
<td>Vehicle Wire Reference Chart</td>
<td>6</td>
</tr>
<tr>
<td>Radio Wire Reference Chart</td>
<td>7</td>
</tr>
</tbody>
</table>
INSTALLATION INSTRUCTIONS

STEP 1
- Unbox the aftermarket radio and locate its main harness.
- Cut the WHITE, GRAY, GREEN and PURPLE RCA tips. Connect every wire to the aftermarket radio main harness and match the wire colors.
- Connect every wire from the aftermarket radio main harness to the FO1 T-harness and match the wire colors. (Refer to Diagram)

STEP 2
(Required for vehicles equipped with SYNC, without factory navigation system; refer to Vehicle Wire Chart)
- Disassemble the dashboard carefully and remove the factory radio from its housing without disconnecting it.
- See the WIRE CHART for vehicle wire color and location.
- Use a multimeter to test the SWI 2 wire. Connect the BLACK test probe to ground (-) and connect the RED test probe to the wire SWI 2 wire. Have the ignition and the radio ON. If the SWI 2 wire is connected, the multimeter will display approximately 5 volts. This value will drop upon pressing the steering wheel voice, phone or OK button.
- Cut the SWI 2 INPUT wire.
- Connect the PINK/RED wire of FO1 T-harness to the SWI 2 INPUT wire going to the steering wheel. Insulate the wire side going to the SYNC module and plug the SYNC harness into the SYNC module.

STEP 3
- Connect the factory harness to the FO1 T-harness. Connect only the available connectors. For example, if the factory harness has two connectors, connect only these two connectors.

STEP 4
- Access the OBDII connector located under the driver side dashboard.
- Connect the RED/BROWN wire of FO1 T-harness to WHITE/BLUE wire of the OBDII connector located at pin 6.
- Connect the YELLOW/BROWN wire of FO1 T-harness to the WHITE wire of the OBDII connector located at pin 14.

NOTE:

STEP 5
- Plug the aftermarket radio harnesses into the aftermarket radio.
- Plug the Data cable to the data port of the aftermarket radio.
- Insert the Audio cable into the iDatalink 3.5 mm audio jack of the aftermarket radio.

NOTE:
In Pioneer radios: plug Audio cable in auxiliary input of the radio.
- Insert the RCA connectors into the aftermarket radio.

NOTES:
The RCA connectors labeled SUB IN can be used to feed the subwoofer channel of the factory amplifier.
The RCA connector labeled CENTER IN can be used to feed the center channel of the THX system or as a second subwoofer channel (if applicable).
The RCA connectors labeled AUX IN can be used to connect the factory 3.5 mm audio jack, in vehicles that are NOT equipped with SYNC, to the auxiliary input of the aftermarket radio.

STEP 6
- Secure the aftermarket radio in the dashboard housing.
- Connect all the harnesses to the Maestro RR module.

MODULE PROGRAMMING
- Open the vehicle driver door, insert the key into the ignition and turn it to the ACC position.
- The OEM Bluetooth is OFF by default. To activate it, go to the radio screen, scroll down to FORD SETUP, press SET, go to the OEM Bluetooth and press ON, then Press the BACK button (circular shaped arrow).
- Scroll down, press FINISH and wait. Press START, then press NEXT.
- Now follow the radio screen instructions while performing the following steps: Turn the key to the OFF position, then to the ACC position, turn it back to the OFF position, then to the ACC position.
- The module is now programmed and ready to be used. To access the new menus, press on FORD FEATURES.
- Test all the functionalities then reassemble the dashboard carefully.
INSTALLATION INSTRUCTIONS

TROUBLESHOOTING TIPS:

• To reset the module back its factory settings, 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.

• For technical assistance call 1-866-427-2999 or e-mail “support@idatalink.com”. Visit us at “maestro.idatalink.com/support” and “www.12voltdata.com/forum/”
WIRING DIAGRAM

**STEP 1**
Cut and remove the speaker wire junction connectors.

- 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 (+)
- BLACK - GROUND
- RED - ACCESSORY (+)
- YELLOW - 12V (+)
- ORANGE - ILLUMINATION (+)
- PURPLE/WHITE - REVERSE LIGHT (+)
- LT GREEN - E-BRAKE (-)
- PINK - VEHICLE SPEED
- YELLOW/BLACK - FOOT BRAKE
- BROWN (NOT CONNECTED)
- WHITE/BLUE - CAN2H
- YELLOW/BROWN - CAN2L

**STEP 2**
Pink/Red - SW 2 (-) input.
Steering wheel side:
- Insulate wire with SYNC harness.
Sync module side:
- Refer to wire chart for wire location.

**STEP 3**
Factory radio harness:
- Connect to wires from vehicle.

**STEP 4**
Red/Brown - CAN2H
Yellow/Brown - CAN2L
WHITE/BLUE

**STEP 5**
Step to aftermarket radio.

**STEP 6**
FO1 T-Harness
- Connect to twisted wires behind connector.

NOTE: PIN SIDE VIEW.

Automotive Data Solutions Inc. © 2015
ADS-RRSRI-FOR01-DS2
maestro.idatalink.com
## VEHICLE WIRE REFERENCE CHART

<table>
<thead>
<tr>
<th>Wire Description</th>
<th>Connector Name</th>
<th>Connector Color</th>
<th>Connector Type</th>
<th>Position</th>
<th>Wire Color</th>
<th>Polarity</th>
<th>Wire Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>Can2H</td>
<td>OBDII</td>
<td>-</td>
<td>16 pin</td>
<td>06</td>
<td>White/Blue</td>
<td>(DATA)</td>
<td>OBDII connector, under driver side dash</td>
</tr>
<tr>
<td>Can2L</td>
<td>OBDII</td>
<td>-</td>
<td>16 pin</td>
<td>14</td>
<td>White</td>
<td>(DATA)</td>
<td>OBDII connector, under driver side dash</td>
</tr>
<tr>
<td>SWI 2</td>
<td></td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>Blue/Orange or Blue</td>
<td>(MUX)</td>
<td>Sync unit, behind the glove box.</td>
</tr>
</tbody>
</table>

SWI 2 connection is required only if vehicle is equipped with Sync.
## RADIO WIRE REFERENCE CHART

<table>
<thead>
<tr>
<th>Wire Description</th>
<th>Polarity</th>
<th>Wire Color on Maestro T-Harness</th>
<th>Wire Color on Alpine cable</th>
<th>Wire Color on Kenwood cable</th>
<th>Wire Color on Pioneer cable</th>
</tr>
</thead>
<tbody>
<tr>
<td>Illumination</td>
<td>(+)</td>
<td>Orange</td>
<td>N/A</td>
<td>Orange/White</td>
<td>Orange/White</td>
</tr>
<tr>
<td>Reverse Light</td>
<td>(+)</td>
<td>Purple/White</td>
<td>Orange/White</td>
<td>Purple/White</td>
<td>Purple/White</td>
</tr>
<tr>
<td>E-Brake</td>
<td>(-)</td>
<td>Lt Green</td>
<td>Yellow/Blue</td>
<td>Lt Green</td>
<td>Lt Green</td>
</tr>
<tr>
<td>Foot Brake</td>
<td>(+)</td>
<td>Yellow/Black</td>
<td>Yellow/Black</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>VSS (vehicle speed sensor)</td>
<td>[DATA]</td>
<td>Pink</td>
<td>Green/White</td>
<td>N/A</td>
<td>Pink</td>
</tr>
</tbody>
</table>
INSTALL GUIDE
FORD MUSTANG
BASE 2013-2014

RETAINS STEERING WHEEL CONTROLS Sync VOICE COMMANDS, Sync BLUETOOTH,
SIRIUS SATELLITE AND MORE!

PRODUCTS REQUIRED
iDatalink Maestro RR Radio Replacement Interface
iDatalink Maestro F01 Installation Harness

NOTICE: Automotive Data Solutions Inc. (ADS) recommends having this installation performed by a certified technician. Logos and trademarks used here in are the properties of their respective owners.
WELCOME

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

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

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

TABLE OF CONTENTS

<table>
<thead>
<tr>
<th>Installation Instructions</th>
<th>3</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wiring Diagram</td>
<td>5</td>
</tr>
<tr>
<td>Vehicle Wire Reference Chart</td>
<td>6</td>
</tr>
<tr>
<td>Radio Wire Reference Chart</td>
<td>7</td>
</tr>
</tbody>
</table>

NEED HELP?

1 866 427-2999

support@idatalink.com

maestro.idatalink.com/support

www.12voltdata.com/forum
INSTALLATION INSTRUCTIONS

STEP 1
- Unbox the aftermarket radio and locate its main harness.
- Cut the WHITE, GRAY, GREEN and PURPLE RCA tips. Connect every wire to the aftermarket radio main harness and match the wire colors.
- Connect every wire from the aftermarket radio main harness to the FO1 T-harness and match the wire colors. (Refer to Diagram)

STEP 2
(Required for vehicles equipped with SYNC, without factory navigation system; refer to Vehicle Wire Chart)
- Disassemble the dashboard carefully and remove the factory radio from its housing without disconnecting it.
- See the WIRE CHART for vehicle wire color and location.
- Use a multimeter to test the SWI 2 wire. Connect the BLACK test probe to ground (-) and connect the RED test probe to the wire SWI 2 wire. Have the ignition and the radio ON. If the SWI 2 wire is connected, the multimeter will display approximately 5 volts. This value will drop upon pressing the steering wheel voice, phone or OK button.
- Cut the SWI 2 INPUT wire.
- Connect the PINK/RED wire of FO1 T-harness to the SWI 2 INPUT wire going to the steering wheel. Insulate the wire side going to the SYNC module and plug the SYNC harness into the SYNC module.

STEP 3
- Connect the factory harness to the FO1 T-harness. Connect only the available connectors. For example, if the factory harness has two connectors, connect only these two connectors.

STEP 4
- Access the OBDII connector located under the driver side dashboard.
- Connect the RED/BROWN wire of FO1 T-harness to WHITE/BLUE wire of the OBDII connector located at pin 6.
- Connect the YELLOW/BROWN wire of FO1 T-harness to the WHITE wire of the OBDII connector located at pin 14.

STEP 5
- Plug the aftermarket radio harnesses into the aftermarket radio.
- Plug the Data cable to the data port of the aftermarket radio.
- Insert the Audio cable into the iDatalink 3.5 mm audio jack of the aftermarket radio.

NOTE:
In Pioneer radios: plug Audio cable in auxiliary input of the radio.
- Insert the RCA connectors into the aftermarket radio.

NOTES:
The RCA connectors labeled SUB IN can be used to feed the subwoofer channel of the factory amplifier.
The RCA connector labeled CENTER IN can be used to feed the center channel of the THX system or as a second subwoofer channel (if applicable).
The RCA connectors labeled AUX IN can be used to connect the factory 3.5 mm audio jack, in vehicles that are NOT equipped with SYNC, to the auxiliary input of the aftermarket radio.

STEP 6
- Secure the aftermarket radio in the dashboard housing.
- Connect all the harnesses to the Maestro RR module.

MODULE PROGRAMMING
- Open the vehicle driver door, insert the key into the ignition and turn it to the ACC position.
- The OEM Bluetooth is OFF by default. To activate it, go to the radio screen, scroll down to FORD SETUP, press SET, go to the OEM Bluetooth and press ON, then Press the BACK button (circular shaped arrow).
- Scroll down, press FINISH and wait. Press START, then press NEXT.
- Now follow the radio screen instructions while performing the following steps: Turn the key to the OFF position, then to the ACC position, turn it back to the OFF position, then to the ACC position.
- The module is now programmed and ready to be used. To access the new menus, press on FORD FEATURES.
- Test all the functionalities then reassemble the dashboard carefully.
INSTALLATION INSTRUCTIONS

TROUBLESHOOTING TIPS:

• To reset the module back its factory settings, 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.

• For technical assistance call 1-866-427-2999 or e-mail “support@idatalink.com”. Visit us at “maestro.idatalink.com/support” and “www.12voltdata.com/forum/”
WIRING DIAGRAM

STEP 1
CUT AND REMOVE THE SPEAKER WIRE JUNCTION CONNECTORS

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 (+)
BLACK - GROUND
RED - ACCESSORY (+)
YELLOW - 12V (+)
ORANGE - ILLUMINATION (+)
PURPLE/WHITE - REVERSE LIGHT (+)
LTGREEN - E-BRAKE (-)
PINK - VEHICLE SPEED
YELLOW/BLACK - FOOT BRAKE
BROWN (NOT CONNECTED)

STEP 2
PINK/RED - SW 2 (-) INPUT

INSULATE WIRE

SYNC MODULE SIDE
STEERING WHEEL SIDE

REFER TO WIRE CHART FOR WIRE LOCATION

STEP 3
FACTORY RADIO HARNESS

WIRING DIAGRAM

STEP 4
OBII CONNECTOR

WHITE/BLUE - CAN2H
WHITE/BLUE - CAN2L

NOTE: PIN SIDE VIEW.
CONNECT TO TWISTED WIRES BEHIND CONNECTOR.

STEP 5
CONNECT TO AFTERMARKET RADIO

STEP 6
MAESTRO RR MODULE

FO1 T-HARNESS

CONNECT TO TWISTED WIRES BEHIND CONNECTOR.

WHITE/BLUE - CAN2H
WHITE/BLUE - CAN2L

NOTE: PIN SIDE VIEW.
CONNECT TO TWISTED WIRES BEHIND CONNECTOR.
VEHICLE WIRE REFERENCE CHART

<table>
<thead>
<tr>
<th>Wire Description</th>
<th>Connector Name</th>
<th>Connector Color</th>
<th>Connector Type</th>
<th>Position</th>
<th>Wire Color</th>
<th>Polarity</th>
<th>Wire Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>Can2H</td>
<td>OBDII</td>
<td>-</td>
<td>16 pin</td>
<td>06</td>
<td>White/Blue</td>
<td>[DATA]</td>
<td>OBDII connector, under driver side dash</td>
</tr>
<tr>
<td>Can2L</td>
<td>OBDII</td>
<td>-</td>
<td>16 pin</td>
<td>14</td>
<td>White</td>
<td>[DATA]</td>
<td>OBDII connector, under driver side dash</td>
</tr>
<tr>
<td>SWI 2</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>Blue/Orange or Blue</td>
<td>[MUX]</td>
<td>Sync unit, behind the glove box.</td>
</tr>
</tbody>
</table>

SWI 2 connection is required only if vehicle is equipped with Sync.
# RADIO WIRE REFERENCE CHART

<table>
<thead>
<tr>
<th>Wire Description</th>
<th>Polarity</th>
<th>Wire Color on Maestro T-Harness</th>
<th>Wire Color on Alpine cable</th>
<th>Wire Color on Kenwood cable</th>
<th>Wire Color on Pioneer cable</th>
</tr>
</thead>
<tbody>
<tr>
<td>Illumination</td>
<td>(+)</td>
<td>Orange</td>
<td>N/A</td>
<td>Orange/White</td>
<td>Orange/White</td>
</tr>
<tr>
<td>Reverse Light</td>
<td>(+)</td>
<td>Purple/White</td>
<td>Orange/White</td>
<td>Purple/White</td>
<td>Purple/White</td>
</tr>
<tr>
<td>E-Brake</td>
<td>(-)</td>
<td>Lt Green</td>
<td>Yellow/Blue</td>
<td>Lt Green</td>
<td>Lt Green</td>
</tr>
<tr>
<td>Foot Brake</td>
<td>(+)</td>
<td>Yellow/Black</td>
<td>Yellow/Black</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>VSS [vehicle speed sensor]</td>
<td>[DATA]</td>
<td>Pink</td>
<td>Green/White</td>
<td>N/A</td>
<td>Pink</td>
</tr>
</tbody>
</table>
INSTALL GUIDE
FORD MUSTANG
SHAKER 2013-2014

RETAINS STEERING WHEEL CONTROLS SYNC VOICE COMMANDS, SYNC BLUETOOTH, SIRIUS SATELLITE AND MORE!

NOTICE: Automotive Data Solutions Inc. (ADS) recommends having this installation performed by a certified technician. Logos and trademarks used here in are the properties of their respective owners.

PRODUCTS REQUIRED
iDatalink Maestro RR Radio Replacement Interface
iDatalink Maestro FO1 Installation Harness

OPTIONAL ACCESSORIES
None

PROGRAMMED Firmware
ADS-RR(SR)-FOR01-DS2
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
support@idatalink.com
maestro.idatalink.com/support
www.12voltdata.com/forum

TABLE OF CONTENTS

<table>
<thead>
<tr>
<th>Section</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Installation Instructions</td>
<td>3</td>
</tr>
<tr>
<td>Wiring Diagram</td>
<td>5</td>
</tr>
<tr>
<td>Vehicle Wire Reference Chart</td>
<td>6</td>
</tr>
<tr>
<td>Radio Wire Reference Chart</td>
<td>7</td>
</tr>
</tbody>
</table>
INSTALLATION INSTRUCTIONS

**STEP 1**
- Unbox the aftermarket radio and locate its main harness.
- Connect every wire from the aftermarket radio main harness to the FO1 T-harness and match the wire colors. [Refer to Diagram]

**STEP 2**
[Required for vehicles equipped with SYNC, without factory navigation system; refer to Vehicle Wire Chart]
- Disassemble the dashboard carefully and remove the factory radio from its housing without disconnecting it.
- See the WIRE CHART for vehicle wire color and location.
- Use a multimeter to test the SW1 2 wire. Connect the BLACK test probe to ground (-) and connect the RED test probe to the wire SW1 2 wire. Have the ignition and the radio ON. If the SW1 2 wire is connected, the multimeter will display approximately 5 volts. This value will drop upon pressing the steering wheel voice, phone or OK button.
- Cut the SW1 2 INPUT wire.
- Connect the PINK/RED wire of FO1 T-harness to the SW1 2 INPUT wire going to the steering wheel. Insulate the wire side going to the SYNC module and plug the SYNC harness into the SYNC module.

**STEP 3**
- Connect the factory harness to the FO1 T-harness. Connect only the available connectors. For example, if the factory harness has two connectors, connect only these two connectors.

**STEP 4**
- Access the OBDII connector located under the driver side dashboard.
- Connect the RED/BROWN wire of FO1 T-harness to WHITE/BLUE wire of the OBDII connector located at pin 6.
- Connect the YELLOW/BROWN wire of FO1 T-harness to the WHITE wire of the OBDII connector located at pin 14.
 **NOTE:**

**STEP 5**
- Plug the aftermarket radio harnesses into the aftermarket radio.
- Plug the Data cable to the data port of the aftermarket radio.
- Insert the Audio cable into the iDatalink 3.5 mm audio jack of the aftermarket radio.
 **NOTE:**
In Pioneer radios: plug Audio cable in auxiliary input of the radio.
- Insert the RCA connectors into the aftermarket radio.
 **NOTES:**
The RCA connectors labeled SUB IN can be used to feed the subwoofer channel of the factory amplifier.
The RCA connector labeled CENTER IN can be used to feed the center channel of the THX system or as a second subwoofer channel (if applicable).
The RCA connectors labeled AUX IN can be used to connect the factory 3.5 mm audio jack, in vehicles that are NOT equipped with SYNC, to the auxiliary input of the aftermarket radio.

**STEP 6**
- Secure the aftermarket radio in the dashboard housing.
- Connect all the harnesses to the Maestro RR module.

**MODULE PROGRAMMING**
- Open the vehicle driver door, insert the key into the ignition and turn it to the ACC position.
- The OEM Bluetooth is OFF by default. To activate it, go to the radio screen, scroll down to FORD SETUP, press SET, go to the OEM Bluetooth and press ON, then Press the BACK button (circular shaped arrow).
- Scroll down, press FINISH and wait. Press START, then press NEXT.
- Now follow the radio screen instructions while performing the following steps: Turn the key to the OFF position, then to the ACC position, turn it back to the OFF position, then to the ACC position.
  The module is now programmed and ready to be used. To access the new menus, press on FORD FEATURES.
- Test all the functionalities then reassemble the dashboard carefully.
INSTALLATION INSTRUCTIONS

TROUBLESHOOTING TIPS:

• To reset the module back its factory settings, 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.

• For technical assistance call 1-866-427-2999 or e-mail “support@idatalink.com”. Visit us at “maestro.idatalink.com/support” and “www.12voltdata.com/forum/”
**VEHICLE WIRE REFERENCE CHART**

<table>
<thead>
<tr>
<th>Wire Description</th>
<th>Connector Name</th>
<th>Connector Color</th>
<th>Connector Type</th>
<th>Position</th>
<th>Wire Color</th>
<th>Polarity</th>
<th>Wire Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>Can2H</td>
<td>OBDII</td>
<td>-</td>
<td>16 pin</td>
<td>06</td>
<td>White/Blue</td>
<td>[DATA]</td>
<td>OBDII connector, under driver side dash</td>
</tr>
<tr>
<td>Can2L</td>
<td>OBDII</td>
<td>-</td>
<td>16 pin</td>
<td>14</td>
<td>White</td>
<td>[DATA]</td>
<td>OBDII connector, under driver side dash</td>
</tr>
<tr>
<td>SWI 2</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>Blue/Orange or Blue</td>
<td>[MUX]</td>
<td>Sync unit, behind the glove box.</td>
</tr>
</tbody>
</table>

SWI 2 connection is required only if vehicle is equipped with Sync.
## RADIO WIRE REFERENCE CHART

<table>
<thead>
<tr>
<th>Wire Description</th>
<th>Polarity</th>
<th>Wire Color on Maestro T-Harness</th>
<th>Wire Color on Alpine cable</th>
<th>Wire Color on Kenwood cable</th>
<th>Wire Color on Pioneer cable</th>
</tr>
</thead>
<tbody>
<tr>
<td>Illumination (+)</td>
<td>Orange</td>
<td>N/A</td>
<td>Orange/White</td>
<td>Orange/White</td>
<td>Orange/White</td>
</tr>
<tr>
<td>Reverse Light (+)</td>
<td>Purple/White</td>
<td>Orange/White</td>
<td>Purple/White</td>
<td>Purple/White</td>
<td>Purple/White</td>
</tr>
<tr>
<td>E-Brake (-)</td>
<td>Lt Green</td>
<td>Yellow/Blue</td>
<td>Lt Green</td>
<td>Lt Green</td>
<td>Lt Green</td>
</tr>
<tr>
<td>Foot Brake (+)</td>
<td>Yellow/Black</td>
<td>Yellow/Black</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>VSS (vehicle speed sensor) [DATA]</td>
<td>Pink</td>
<td>Green/White</td>
<td>N/A</td>
<td>Pink</td>
<td>N/A</td>
</tr>
</tbody>
</table>
INSTALL GUIDE
FORD MUSTANG
SHAKER PRO 2013-2014
RETAINS STEERING WHEEL CONTROLS SYNC VOICE COMMANDS, SYNC BLUETOOTH, SIRIUS SATELLITE AND MORE!

PRODUCTS REQUIRED
iDatalink Maestro RR Radio Replacement Interface
iDatalink Maestro F01 Installation Harness

OPTIONAL ACCESSORIES
None

PROGRAMMED FIRMWARE
ADS-RR(SR)-FOR01-DS2

NOTICE: Automotive Data Solutions Inc. (ADS) recommends having this installation performed by a certified technician. Logos and trademarks used here in are the properties of their respective owners.
WELCOME

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

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

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

TABLE OF CONTENTS

<table>
<thead>
<tr>
<th>Section</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Installation Instructions</td>
<td>3</td>
</tr>
<tr>
<td>Wiring Diagram</td>
<td>5</td>
</tr>
<tr>
<td>Vehicle Wire Reference Chart</td>
<td>6</td>
</tr>
<tr>
<td>Radio Wire Reference Chart</td>
<td>7</td>
</tr>
</tbody>
</table>

NEED HELP?

1 866 427-2999

support@idatalink.com

maestro.idatalink.com/support

www.12voltdata.com/forum
**INSTALLATION INSTRUCTIONS**

**STEP 1**
- Unbox the aftermarket radio and locate its main harness.
- Connect every wire from the aftermarket radio main harness to the FO1 T-harness and match the wire colors. [Refer to Diagram]

**STEP 2**
(Required for vehicles equipped with SYNC, without factory navigation system; refer to Vehicle Wire Chart)
- Disassemble the dashboard carefully and remove the factory radio from its housing without disconnecting it.
- See the WIRE CHART for vehicle wire color and location.
- Use a multimeter to test the SWI 2 wire. Connect the BLACK test probe to ground (-) and connect the RED test probe to the wire SWI 2 wire. Have the ignition and the radio ON. If the SWI 2 wire is connected, the multimeter will display approximately 5 volts. This value will drop upon pressing the steering wheel voice, phone or OK button.
- Cut the SWI 2 INPUT wire.
- Connect the PINK/RED wire of FO1 T-harness to the SWI 2 INPUT wire going to the steering wheel. Insulate the wire side going to the SYNC module and plug the SYNC harness into the SYNC module.

**STEP 3**
- Connect the factory harness to the FO1 T-harness. Connect only the available connectors. For example, if the factory harness has two connectors, connect only these two connectors.

**STEP 4**
- Access the OBDII connector located under the driver side dashboard.
- Connect the RED/BROWN wire of FO1 T-harness to WHITE/BLUE wire of the OBDII connector located at pin 6.
- Connect the YELLOW/BROWN wire of FO1 T-harness to the WHITE wire of the OBDII connector located at pin 14.
  **NOTE:** Connections not required for 2014-2015 Pioneer radios.

**STEP 5**
- Plug the aftermarket radio harnesses into the aftermarket radio.
- Plug the Data cable to the data port of the aftermarket radio.
- Insert the Audio cable into the iDatalink 3.5 mm audio jack of the aftermarket radio.

**NOTE:**
In Pioneer radios: plug Audio cable in auxiliary input of the radio.
- Insert the RCA connectors into the aftermarket radio.
  **NOTES:**
The RCA connectors labeled SUB IN can be used to feed the subwoofer channel of the factory amplifier.
The RCA connector labeled CENTER IN can be used to feed the center channel of the THX system or as a second subwoofer channel (if applicable).
The RCA connectors labeled AUX IN can be used to connect the factory 3.5 mm audio jack, in vehicles that are NOT equipped with SYNC, to the auxiliary input of the aftermarket radio.

**STEP 6**
- Secure the aftermarket radio in the dashboard housing.
- Connect all the harnesses to the Maestro RR module.

**MODULE PROGRAMMING**
- Open the vehicle driver door, insert the key into the ignition and turn it to the ACC position.
- The OEM Bluetooth is OFF by default. To activate it, go to the radio screen, scroll down to FORD SETUP, press SET, go to the OEM Bluetooth and press ON, then Press the BACK button (circular shaped arrow).
- Scroll down, press FINISH and wait. Press START, then press NEXT.
- Now follow the radio screen instructions while performing the following steps: Turn the key to the OFF position, then to the ACC position, turn it back to the OFF position, then to the ACC position.
  The module is now programmed and ready to be used. To access the new menus, press on FORD FEATURES.
- Test all the functionalities then reassemble the dashboard carefully.
INSTALLATION INSTRUCTIONS

TROUBLESHOOTING TIPS:

- To reset the module back its factory settings, 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.

- For technical assistance call 1-866-427-2999 or e-mail “support@idatalink.com”. Visit us at “maestro.idatalink.com/support” and “www.12voltdata.com/forum/”
### VEHICLE WIRE REFERENCE CHART

<table>
<thead>
<tr>
<th>Wire Description</th>
<th>Connector Name</th>
<th>Connector Color</th>
<th>Connector Type</th>
<th>Position</th>
<th>Wire Color</th>
<th>Polarity</th>
<th>Wire Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>Can2H</td>
<td>OBDII</td>
<td>–</td>
<td>16 pin</td>
<td>06</td>
<td>White/Blue</td>
<td>[DATA]</td>
<td>OBDII connector, under driver side dash</td>
</tr>
<tr>
<td>Can2L</td>
<td>OBDII</td>
<td>–</td>
<td>16 pin</td>
<td>14</td>
<td>White</td>
<td>[DATA]</td>
<td>OBDII connector, under driver side dash</td>
</tr>
<tr>
<td>SWI 2</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>Blue/Orange or Blue</td>
<td>[MUX]</td>
<td>Sync unit, behind the glove box.</td>
</tr>
</tbody>
</table>

SWI 2 connection is required only if vehicle is equipped with Sync.
## RADIO WIRE REFERENCE CHART

<table>
<thead>
<tr>
<th>Wire Description</th>
<th>Polarity</th>
<th>Wire Color on Maestro T-Harness</th>
<th>Wire Color on Alpine cable</th>
<th>Wire Color on Kenwood cable</th>
<th>Wire Color on Pioneer cable</th>
</tr>
</thead>
<tbody>
<tr>
<td>Illumination (+)</td>
<td>Orange</td>
<td>N/A</td>
<td>Orange/White</td>
<td>Orange/White</td>
<td>Orange/White</td>
</tr>
<tr>
<td>Reverse Light (+)</td>
<td>Purple/White</td>
<td>Orange/White</td>
<td>Purple/White</td>
<td>Purple/White</td>
<td>Purple/White</td>
</tr>
<tr>
<td>E-Brake (-)</td>
<td>Lt Green</td>
<td>Yellow/Blue</td>
<td>Lt Green</td>
<td>Lt Green</td>
<td>Lt Green</td>
</tr>
<tr>
<td>Foot Brake (+)</td>
<td>Yellow/Black</td>
<td>Yellow/Black</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>VSS (vehicle speed sensor) [DATA]</td>
<td>Pink</td>
<td>Green/White</td>
<td>N/A</td>
<td>Pink</td>
<td></td>
</tr>
</tbody>
</table>
INSTALL GUIDE
FORD TAURUS
2008-2009
RETAINS STEERING WHEEL CONTROLS SYNC VOICE COMMANDS, SYNC BLUETOOTH, SIRIUS SATELLITE AND MORE!

PRODUCTS REQUIRED
iDatalink Maestro RR Radio Replacement Interface
iDatalink Maestro F01 Installation Harness

OPTIONAL ACCESSORIES
None

PROGRAMMED Firmware
ADS-RR(SR)-FOR01-DS2

NOTICE: Automotive Data Solutions Inc. (ADS) recommends having this installation performed by a certified technician. Logos and trademarks used here in are the properties of their respective owners.
WELCOME

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

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

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

TABLE OF CONTENTS

<table>
<thead>
<tr>
<th>Installation Instructions</th>
<th>3</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wiring Diagram</td>
<td>5</td>
</tr>
<tr>
<td>Vehicle Wire Reference Chart</td>
<td>6</td>
</tr>
<tr>
<td>Radio Wire Reference Chart</td>
<td>7</td>
</tr>
</tbody>
</table>

NEED HELP?

1 866 427-2999

support@idatalink.com

maestro.idatalink.com/support

www.12voltdata.com/forum
INSTALLATION INSTRUCTIONS

**STEP 1**

- Unbox the aftermarket radio and locate its main harness.
- Cut the WHITE, GRAY, GREEN and PURPLE RCA tips. Connect every wire to the aftermarket radio main harness and match the wire colors.
- Connect every wire from the aftermarket radio main harness to the FO1 T-harness and match the wire colors. (Refer to Diagram)

**STEP 2**

(Required for vehicles equipped with SYNC, without factory navigation system; refer to Vehicle Wire Chart)

- Disassemble the dashboard carefully and remove the factory radio from its housing without disconnecting it.
- See the WIRE CHART for vehicle wire color and location.
- Use a multimeter to test the SWI 2 wire. Connect the BLACK test probe to ground (-) and connect the RED test probe to the wire SWI 2 wire. Have the ignition and the radio ON. If the SWI 2 wire is connected, the multimeter will display approximately 5 volts. This value will drop upon pressing the steering wheel voice, phone or OK button.
- Cut the SWI 2 INPUT wire.
- Connect the PINK/RED wire of FO1 T-harness to the SWI 2 INPUT wire going to the steering wheel. Insulate the wire side going to the SYNC module and plug the SYNC harness into the SYNC module.

**STEP 3**

- Connect the factory harness to the FO1 T-harness. Connect only the available connectors. For example, if the factory harness has two connectors, connect only these two connectors.

**STEP 4**

- Access the OBDII connector located under the driver side dashboard.
- Connect the RED/BROWN wire of FO1 T-harness to WHITE/BLUE wire of the OBDII connector located at pin 6.
- Connect the YELLOW/BROWN wire of FO1 T-harness to the WHITE wire of the OBDII connector located at pin 14.

**NOTE:**

**STEP 5**

- Plug the aftermarket radio harnesses into the aftermarket radio.
- Plug the Data cable to the data port of the aftermarket radio.
- Insert the Audio cable into the iDatalink 3.5 mm audio jack of the aftermarket radio.

**NOTE:**
In Pioneer radios: plug Audio cable in auxiliary input of the radio.

- Insert the RCA connectors into the aftermarket radio.

**NOTES:**
The RCA connectors labeled SUB IN can be used to feed the subwoofer channel of the factory amplifier.
The RCA connector labeled CENTER IN can be used to feed the center channel of the THX system or as a second subwoofer channel (if applicable).
The RCA connectors labeled AUX IN can be used to connect the factory 3.5 mm audio jack, in vehicles that are NOT equipped with SYNC, to the auxiliary input of the aftermarket radio.

**STEP 6**

- Secure the aftermarket radio in the dashboard housing.
- Connect all the harnesses to the Maestro RR module.

**MODULE PROGRAMMING**

- Open the vehicle driver door, insert the key into the ignition and turn it to the ACC position.
- The OEM Bluetooth is OFF by default. To activate it, go to the radio screen, scroll down to FORD SETUP, press SET, go to the OEM Bluetooth and press ON, then Press the BACK button (circular shaped arrow).
- Scroll down, press FINISH and wait. Press START, then press NEXT.
- Now follow the radio screen instructions while performing the following steps: Turn the key to the OFF position, then to the ACC position, turn it back to the OFF position, then to the ACC position.
- The module is now programmed and ready to be used. To access the new menus, press on FORD FEATURES.
- Test all the functionalities then reassemble the dashboard carefully.
INSTALLATION INSTRUCTIONS

TROUBLESHOOTING TIPS:

• To reset the module back its factory settings, 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.

• For technical assistance call 1-866-427-2999 or e-mail “support@idatalink.com”. Visit us at “maestro.idatalink.com/support” and “www.12voltdata.com/forum/”
WIRING DIAGRAM

STEP 1
CUT AND REMOVE THE SPEAKER WIRE JUNCTION CONNECTORS

STEP 2
PINK/RED - SW 2 (-) INPUT
REFER TO WIRE CHART FOR WIRE LOCATION

STEP 3
FACTORY RADIO HARNESS

STEP 4
OBDII CONNECTOR
NOTE: PIN SIDE VIEW. CONNECT TO TWISTED WIRES BEHIND CONNECTOR.

STEP 5
CONNECT TO AFTERMARKET RADIO
PECT TO TWISTED WIRES BEHIND CONNECTOR.

STEP 6
MAESTRO RR MODULE
# VEHICLE WIRE REFERENCE CHART

<table>
<thead>
<tr>
<th>Wire Description</th>
<th>Connector Name</th>
<th>Connector Color</th>
<th>Connector Type</th>
<th>Position</th>
<th>Wire Color</th>
<th>Polarity</th>
<th>Wire Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>Can2H</td>
<td>OBDII</td>
<td>-</td>
<td>16 pin</td>
<td>06</td>
<td>White/Blue</td>
<td>[DATA]</td>
<td>OBDII connector, under driver side dash</td>
</tr>
<tr>
<td>Can2L</td>
<td>OBDII</td>
<td>-</td>
<td>16 pin</td>
<td>14</td>
<td>White</td>
<td>[DATA]</td>
<td>OBDII connector, under driver side dash</td>
</tr>
<tr>
<td>SWI 2</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>Gray/Blue</td>
<td>[MUX]</td>
<td>Center console, right side, harness going to the back</td>
</tr>
</tbody>
</table>

SWI 2 connection is required only if vehicle is equipped with Sync.
# RADIO WIRE REFERENCE CHART

<table>
<thead>
<tr>
<th>Wire Description</th>
<th>Polarity</th>
<th>Wire Color on Maestro T-Harness</th>
<th>Wire Color on Alpine cable</th>
<th>Wire Color on Kenwood cable</th>
<th>Wire Color on Pioneer cable</th>
</tr>
</thead>
<tbody>
<tr>
<td>Illumination (+)</td>
<td>Orange</td>
<td>N/A</td>
<td>Orange/White</td>
<td>Orange/White</td>
<td>Orange/White</td>
</tr>
<tr>
<td>Reverse Light (+)</td>
<td>Purple/White</td>
<td>Orange/White</td>
<td>Purple/White</td>
<td>Purple/White</td>
<td>Purple/White</td>
</tr>
<tr>
<td>E-Brake (-)</td>
<td>Lt Green</td>
<td>Yellow/Blue</td>
<td>Lt Green</td>
<td>Lt Green</td>
<td>Lt Green</td>
</tr>
<tr>
<td>Foot Brake (+)</td>
<td>Yellow/Black</td>
<td>Yellow/Black</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>VSS [vehicle speed sensor]</td>
<td>[DATA]</td>
<td>Pink</td>
<td>Green/White</td>
<td>N/A</td>
<td>Pink</td>
</tr>
</tbody>
</table>
INSTALL GUIDE
FORD TAURUS
2010-2012
RETAINS STEERING WHEEL CONTROLS, SYNC VOICE COMMANDS, SYNC BLUETOOTH, SIRIUS SATELLITE AND MORE!

PRODUCTS REQUIRED
iDatalink Maestro RR Radio Replacement Interface
iDatalink Maestro FO1 Installation Harness

OPTIONAL ACCESSORIES
None

PROGRAMMED Firmware
ADS-RR(SR)-FOR01-DS2

NOTICE: Automotive Data Solutions Inc. (ADS) recommends having this installation performed by a certified technician. Logos and trademarks used here in are the properties of their respective owners.
WELCOME

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

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

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

TABLE OF CONTENTS

<table>
<thead>
<tr>
<th>Section</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Installation Instructions</td>
<td>3</td>
</tr>
<tr>
<td>Wiring Diagram</td>
<td>5</td>
</tr>
<tr>
<td>Vehicle Wire Reference Chart</td>
<td>6</td>
</tr>
<tr>
<td>Radio Wire Reference Chart</td>
<td>7</td>
</tr>
</tbody>
</table>

NEED HELP?

1 866 427-2999

support@idatalink.com

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

STEP 1

- Unbox the aftermarket radio and locate its main harness.
- Cut the WHITE, GRAY, GREEN and PURPLE RCA tips. Connect every wire to the aftermarket radio main harness and match the wire colors.
- Connect every wire from the aftermarket radio main harness to the FO1 T-harness and match the wire colors. (Refer to Diagram)

STEP 2

- Disassemble the dashboard carefully and remove the factory radio from its housing without disconnecting it.
- See the WIRE CHART for vehicle wire color and location.
- Use a multimeter to test the SWI 2 wire. Connect the BLACK test probe to ground (-) and connect the RED test probe to the wire SWI 2 wire. Have the ignition and the radio ON. If the SWI 2 wire is connected, the multimeter will display approximately 5 volts. This value will drop upon pressing the steering wheel voice, phone or OK button.
- Cut the SWI 2 INPUT wire.
- Connect the PINK/RED wire of FO1 T-harness to the SWI 2 INPUT wire going to the steering wheel. Insulate the wire side going to the SYNC module and plug the SYNC harness into the SYNC module.

STEP 3

- Connect the factory harness to the FO1 T-harness. Connect only the available connectors. For example, if the factory harness has two connectors, connect only these two connectors.

STEP 4

- Access the OBDII connector located under the driver side dashboard.
- Connect the RED/BROWN wire of FO1 T-harness to WHITE/BLUE wire of the OBDII connector located at pin 6.
- Connect the YELLOW/BROWN wire of FO1 T-harness to the WHITE wire of the OBDII connector located at pin 14.

NOTE:

STEP 5

- Plug the aftermarket radio harnesses into the aftermarket radio.
- Plug the Data cable to the data port of the aftermarket radio.
- Insert the Audio cable into the iDatalink 3.5 mm audio jack of the aftermarket radio.

NOTE:
In Pioneer radios: plug Audio cable in auxiliary input of the radio.

- Insert the RCA connectors into the aftermarket radio.

NOTES:
The RCA connectors labeled SUB IN can be used to feed the subwoofer channel of the factory amplifier.
The RCA connector labeled CENTER IN can be used to feed the center channel of the THX system or as a second subwoofer channel (if applicable).
The RCA connectors labeled AUX IN can be used to connect the factory 3.5 mm audio jack, in vehicles that are NOT equipped with SYNC, to the auxiliary input of the aftermarket radio.

STEP 6

- Secure the aftermarket radio in the dashboard housing.
- Connect all the harnesses to the Maestro RR module.

MODULE PROGRAMMING

- Open the vehicle driver door, insert the key into the ignition and turn it to the ACC position.
- The OEM Bluetooth is OFF by default. To activate it, go to the radio screen, scroll down to FORD SETUP, press SET, go to the OEM Bluetooth and press ON, then Press the BACK button (circular shaped arrow).
- Scroll down, press FINISH and wait. Press START, then press NEXT.
- Now follow the radio screen instructions while performing the following steps: Turn the key to the OFF position, then to the ACC position, turn it back to the OFF position, then to the ACC position.
- The module is now programmed and ready to be used. To access the new menus, press on FORD FEATURES.
- Test all the functionalities then reassemble the dashboard carefully.
INSTALLATION INSTRUCTIONS

TROUBLESHOOTING TIPS:

- To reset the module back its factory settings, 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.

- For technical assistance call 1-866-427-2999 or e-mail “support@idatalink.com”. Visit us at “maestro.idatalink.com/support” and “www.12voltdata.com/forum/”
WIRING DIAGRAM

STEP 1
CUT AND REMOVE
THE SPEAKER WIRE
JUNCTION CONNECTORS
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 (+)
BLACK - GROUND
RED - ACCESSORY (+)
YELLOW - 12V (+)
ORANGE - ILLUMINATION (+)
PURPLE/WHITE - REVERSE LIGHT (+)
LTGREEN - E-BRAKE (-)
PINK - VEHICLE SPEED
YELLOW/BLACK - FOOT BRAKE
BROWN (NOT CONNECTED)

STEP 2
PINK/RED - SWI 2 (-) INPUT
INSULATE WIRE
SYNC HARNESS
STEERING WHEEL SIDE
SYNC MODULE SIDE
REFER TO WIRE CHART
FOR WIRE LOCATION

STEP 3
FACTORY RADIO HARNESS
WIRING FROM VEHICLE
FO1 T-HARNESS
WHITE/BLUE
RED/BROWN - CAN2H
YELLOW/BROWN - CAN2L
WHITE

STEP 4
OBII CONNECTION
WHITE/BLUE
WHITE

STEP 5
CONNECT TO
AFTERMARKET RADIO
MAESTRO RR MODULE
DATA CABLE
AUDIO CABLE
SUB IN
CENTER IN
AUX IN

STEP 6
CONNECT AUX IN
ONLY IF YOU DON’T HAVE SYNC
WHITE/BLUE
WHITE/BLUE
WHITE
RED/BROWN - CAN2H
YELLOW/BROWN - CAN2L
NOTE: PIN SIDE VIEW.
CONNECT TO TWISTED WIRES BEHIND CONNECTOR.
<table>
<thead>
<tr>
<th>Wire Description</th>
<th>Connector Name</th>
<th>Connector Color</th>
<th>Connector Type</th>
<th>Position</th>
<th>Wire Color</th>
<th>Polarity</th>
<th>Wire Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>Can2H</td>
<td>OBDII</td>
<td>-</td>
<td>16 pin</td>
<td>06</td>
<td>White/Blue</td>
<td>[DATA]</td>
<td>OBDII connector, under driver side dash</td>
</tr>
<tr>
<td>Can2L</td>
<td>OBDII</td>
<td>-</td>
<td>16 pin</td>
<td>14</td>
<td>White</td>
<td>[DATA]</td>
<td>OBDII connector, under driver side dash</td>
</tr>
<tr>
<td>SWI 2</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>Blue/Orange</td>
<td>[MUX]</td>
<td>Center console, right side, harness going to the back.</td>
</tr>
</tbody>
</table>

SWI 2 connection is required only if vehicle is equipped with Sync.
## RADIO WIRE REFERENCE CHART

<table>
<thead>
<tr>
<th>Wire Description</th>
<th>Polarity</th>
<th>Wire Color on Maestro T-Harness</th>
<th>Wire Color on Alpine cable</th>
<th>Wire Color on Kenwood cable</th>
<th>Wire Color on Pioneer cable</th>
</tr>
</thead>
<tbody>
<tr>
<td>Illumination</td>
<td>(+)</td>
<td>Orange</td>
<td>N/A</td>
<td>Orange/White</td>
<td>Orange/White</td>
</tr>
<tr>
<td>Reverse Light</td>
<td>(+)</td>
<td>Purple/White</td>
<td>Orange/White</td>
<td>Purple/White</td>
<td>Purple/White</td>
</tr>
<tr>
<td>E-Brake</td>
<td>(-)</td>
<td>Lt Green</td>
<td>Yellow/Blue</td>
<td>Lt Green</td>
<td>Lt Green</td>
</tr>
<tr>
<td>Foot Brake</td>
<td>(+)</td>
<td>Yellow/Black</td>
<td>Yellow/Black</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>VSS [vehicle speed sensor]</td>
<td>[DATA]</td>
<td>Pink</td>
<td>Green/White</td>
<td>N/A</td>
<td>Pink</td>
</tr>
</tbody>
</table>
INSTALL GUIDE
FORD TAURUS X
2008-2012
RETAINS STEERING WHEEL CONTROLS, SYNC VOICE COMMANDS, SYNC BLUETOOTH, SIRIUS SATELLITE AND MORE!

PRODUCTS REQUIRED
iDatalink Maestro RR Radio Replacement Interface
iDatalink Maestro FO1 Installation Harness

OPTIONAL ACCESSORIES
None

PROGRAMMED Firmware
ADS-RR(SR)-FOR01-DS2

NOTICE: Automotive Data Solutions Inc. (ADS) recommends having this installation performed by a certified technician. Logos and trademarks used here in are the properties of their respective owners.
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

support@idatalink.com

maestro.idatalink.com/support

www.12voltdata.com/forum

TABLE OF CONTENTS

Installation Instructions 3

Wiring Diagram 5

Vehicle Wire Reference Chart 6

Radio Wire Reference Chart 7
INSTALLATION INSTRUCTIONS

STEP 1
• Unbox the aftermarket radio and locate its main harness.
• Cut the WHITE, GRAY, GREEN and PURPLE RCA tips. Connect every wire to the aftermarket radio main harness and match the wire colors.
• Connect every wire from the aftermarket radio main harness to the FO1 T-harness and match the wire colors. (Refer to Diagram)

STEP 2
(Required for vehicles equipped with SYNC, without factory navigation system; refer to Vehicle Wire Chart)
• Disassemble the dashboard carefully and remove the factory radio from its housing without disconnecting it.
• See the WIRE CHART for vehicle wire color and location.
• Use a multimeter to test the SWI 2 wire. Connect the BLACK test probe to ground (-) and connect the RED test probe to the wire SWI 2 wire. Have the ignition and the radio ON. If the SWI 2 wire is connected, the multimeter will display approximately 5 volts. This value will drop upon pressing the steering wheel voice, phone or OK button.
• Cut the SWI 2 INPUT wire.
• Connect the PINK/RED wire of FO1 T-harness to the SWI 2 INPUT wire going to the steering wheel. Insulate the wire side going to the SYNC module and plug the SYNC harness into the SYNC module.

STEP 3
• Connect the factory harness to the FO1 T-harness. Connect only the available connectors. For example, if the factory harness has two connectors, connect only these two connectors.

STEP 4
• Access the OBDII connector located under the driver side dashboard.
• Connect the RED/BROWN wire of FO1 T-harness to WHITE/BLUE wire of the OBDII connector located at pin 6.
• Connect the YELLOW/BROWN wire of FO1 T-harness to the WHITE wire of the OBDII connector located at pin 14.

NOTE:

STEP 5
• Plug the aftermarket radio harnesses into the aftermarket radio.
• Plug the Data cable to the data port of the aftermarket radio.
• Insert the Audio cable into the iDatalink 3.5 mm audio jack of the aftermarket radio.

NOTE:
In Pioneer radios: plug Audio cable in auxiliary input of the radio.
• Insert the RCA connectors into the aftermarket radio.

NOTES:
The RCA connectors labeled SUB IN can be used to feed the subwoofer channel of the factory amplifier.
The RCA connector labeled CENTER IN can be used to feed the center channel of the THX system or as a second subwoofer channel (if applicable).
The RCA connectors labeled AUX IN can be used to connect the factory 3.5 mm audio jack, in vehicles that are NOT equipped with SYNC, to the auxiliary input of the aftermarket radio.

STEP 6
• Secure the aftermarket radio in the dashboard housing.
• Connect all the harnesses to the Maestro RR module.

MODULE PROGRAMMING
• Open the vehicle driver door, insert the key into the ignition and turn it to the ACC position.
• The OEM Bluetooth is OFF by default. To activate it, go to the radio screen, scroll down to FORD SETUP, press SET, go to the OEM Bluetooth and press ON, then Press the BACK button (circular shaped arrow).
• Scroll down, press FINISH and wait. Press START, then press NEXT.
• Now follow the radio screen instructions while performing the following steps: Turn the key to the OFF position, then to the ACC position, turn it back to the OFF position, then to the ACC position.

The module is now programmed and ready to be used. To access the new menus, press on FORD FEATURES.
• Test all the functionalities then reassemble the dashboard carefully.
INSTALLATION INSTRUCTIONS

TROUBLESHOOTING TIPS:

• To reset the module back to its factory settings, 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.

• For technical assistance call 1-866-427-2999 or e-mail “support@idatalink.com”. Visit us at “maestro.idatalink.com/support” and “www.12voltdata.com/forum/”
WIRING DIAGRAM

STEP 1
CUT AND REMOVE THE SPEAKER WIRE JUNCTION CONNECTORS

STEP 2
PINK/RED - SWI 2 (-) INPUT
STEERING WHEEL SIDE
INSULATE WIRE
SYNC MODULE SIDE
REFER TO WIRE CHART FOR WIRE LOCATION

STEP 3
FACTORY RADIO HARNESS
WIRE TWISTED
WHITE/BLUE
YELLOW/BROWN - CAN2L

STEP 4
OBDII CONNECTOR
RED/BROWN - CAN2H
WHITE/BLUE
YELLOW/BROWN - CAN2L
WHITE
NOTE: PIN SIDE VIEW.
CONNECT TO TWISTED WIRES BEHIND CONNECTOR.

STEP 5
CONNECT TO AFTERMARKET RADIO

STEP 6
MAESTRO RR MODULE
CONNECT AUX IN ONLY IF YOU DON'T HAVE SYNC

FACTORY RADIO HARNESS
SYNC HARNESS
PINK/RED - SWI 2 (-) INPUT
INSULATE WIRE
SYNC MODULE SIDE
WIRE TWISTED
WHITE/BLUE
YELLOW/BROWN - CAN2L
## VEHICLE WIRE REFERENCE CHART

<table>
<thead>
<tr>
<th>Wire Description</th>
<th>Connector Name</th>
<th>Connector Color</th>
<th>Connector Type</th>
<th>Position</th>
<th>Wire Color</th>
<th>Polarity</th>
<th>Wire Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>Can2H</td>
<td>OBDII</td>
<td>-</td>
<td>16 pin</td>
<td>06</td>
<td>White/Blue</td>
<td>[DATA]</td>
<td>OBDII connector, under driver side dash</td>
</tr>
<tr>
<td>Can2L</td>
<td>OBDII</td>
<td>-</td>
<td>16 pin</td>
<td>14</td>
<td>White</td>
<td>[DATA]</td>
<td>OBDII connector, under driver side dash</td>
</tr>
<tr>
<td>SWI 2</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>Blue/Orange</td>
<td>[MUX]</td>
<td>Center console, right side, harness going to the back.</td>
</tr>
</tbody>
</table>

SWI 2 connection is required only if vehicle is equipped with Sync.
# RADIO WIRE REFERENCE CHART

<table>
<thead>
<tr>
<th>Wire Description</th>
<th>Polarity</th>
<th>Wire Color on Maestro T-Harness</th>
<th>Wire Color on Alpine cable</th>
<th>Wire Color on Kenwood cable</th>
<th>Wire Color on Pioneer cable</th>
</tr>
</thead>
<tbody>
<tr>
<td>Illumination (+)</td>
<td>Orange</td>
<td>N/A</td>
<td>Orange/White</td>
<td>Orange/White</td>
<td>Orange/White</td>
</tr>
<tr>
<td>Reverse Light (+)</td>
<td>Purple/White</td>
<td>Orange/White</td>
<td>Purple/White</td>
<td>Purple/White</td>
<td>Purple/White</td>
</tr>
<tr>
<td>E-Brake (-)</td>
<td>Lt Green</td>
<td>Yellow/Blue</td>
<td>Lt Green</td>
<td>Lt Green</td>
<td>Lt Green</td>
</tr>
<tr>
<td>Foot Brake (+)</td>
<td>Yellow/Black</td>
<td>Yellow/Black</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>VSS (vehicle speed sensor) [DATA]</td>
<td>Pink</td>
<td>Green/White</td>
<td>N/A</td>
<td>N/A</td>
<td>Pink</td>
</tr>
</tbody>
</table>
INSTALL GUIDE
LINCOLN MKS
2009-2012

RETAINS STEERING WHEEL CONTROLS, SYNC VOICE COMMANDS, SYNC BLUETOOTH, SIRIUS SATELLITE AND MORE!

NOTICE: Automotive Data Solutions Inc. (ADS) recommends having this installation performed by a certified technician. Logos and trademarks used here in are the properties of their respective owners.

PRODUCTS REQUIRED
iDatalink Maestro RR Radio Replacement Interface
iDatalink Maestro F01 Installation Harness

OPTIONAL ACCESSORIES
None

PROGRAMMED FIRMWARE
ADS-RR(SR)-FOR01-DS2
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

support@idatalink.com

maestro.idatalink.com/support

www.12voltdata.com/forum

TABLE OF CONTENTS

<table>
<thead>
<tr>
<th>Section</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Installation Instructions</td>
<td>3</td>
</tr>
<tr>
<td>Wiring Diagram</td>
<td>5</td>
</tr>
<tr>
<td>Vehicle Wire Reference Chart</td>
<td>6</td>
</tr>
<tr>
<td>Radio Wire Reference Chart</td>
<td>7</td>
</tr>
</tbody>
</table>
INSTALLATION INSTRUCTIONS

STEP 1
- Unbox the aftermarket radio and locate its main harness.
- Cut the WHITE, GRAY, GREEN and PURPLE RCA tips. Connect every wire to the aftermarket radio main harness and match the wire colors.
- Connect every wire from the aftermarket radio main harness to the FO1 T-harness and match the wire colors. [Refer to Diagram]

STEP 2
[Required for vehicles equipped with SYNC, without factory navigation system; refer to Vehicle Wire Chart]
- Disassemble the dashboard carefully and remove the factory radio from its housing without disconnecting it.
- See the WIRE CHART for vehicle wire color and location.
- Use a multimeter to test the SWI 2 wire. Connect the BLACK test probe to ground (-) and connect the RED test probe to the wire SWI 2 wire. Have the ignition and the radio ON. If the SWI 2 wire is connected, the multimeter will display approximately 5 volts. This value will drop upon pressing the steering wheel voice, phone or OK button.
- Cut the SWI 2 INPUT wire.
- Connect the PINK/RED wire of FO1 T-harness to the SWI 2 INPUT wire going to the steering wheel. Insulate the wire side going to the SYNC module and plug the SYNC harness into the SYNC module.

STEP 3
- Connect the factory harness to the FO1 T-harness. Connect only the available connectors. For example, if the factory harness has two connectors, connect only these two connectors.

STEP 4
- Access the OBDII connector located under the driver side dashboard.
- Connect the RED/BROWN wire of FO1 T-harness to WHITE/BLUE wire of the OBDII connector located at pin 6.
- Connect the YELLOW/BROWN wire of FO1 T-harness to the WHITE wire of the OBDII connector located at pin 14.

STEP 5
- Plug the aftermarket radio harnesses into the aftermarket radio.
- Plug the Data cable to the data port of the aftermarket radio.
- Insert the Audio cable into the iDatalink 3.5 mm audio jack of the aftermarket radio.
  NOTE: In Pioneer radios: plug Audio cable in auxiliary input of the radio.
- Insert the RCA connectors into the aftermarket radio. NOTES:
  The RCA connectors labeled SUB IN can be used to feed the subwoofer channel of the factory amplifier.
  The RCA connector labeled CENTER IN can be used to feed the center channel of the THX system or as a second subwoofer channel (if applicable).
  The RCA connectors labeled AUX IN can be used to connect the factory 3.5 mm audio jack, in vehicles that are NOT equipped with SYNC, to the auxiliary input of the aftermarket radio.

STEP 6
- Secure the aftermarket radio in the dashboard housing.
- Connect all the harnesses to the Maestro RR module.

MODULE PROGRAMMING
- Open the vehicle driver door, insert the key into the ignition and turn it to the ACC position.
- The OEM Bluetooth is OFF by default. To activate it, go to the radio screen, scroll down to FORD SETUP, press SET, go to the OEM Bluetooth and press ON, then Press the BACK button (circular shaped arrow).
- Scroll down, press FINISH and wait. Press START, then press NEXT.
- Now follow the radio screen instructions while performing the following steps: Turn the key to the OFF position, then to the ACC position, turn it back to the OFF position, then to the ACC position.
  The module is now programmed and ready to be used. To access the new menus, press on FORD FEATURES.
- Test all the functionalities then reassemble the dashboard carefully.
INSTALLATION INSTRUCTIONS

TROUBLESHOOTING TIPS:

• To reset the module back its factory settings, 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.

• For technical assistance call 1-866-427-2999 or e-mail “support@idatalink.com”. Visit us at “maestro.idatalink.com/support” and “www.12voltdata.com/forum/”
**WIRING DIAGRAM**

**STEP 1**
Cut and remove the speaker wire junction connectors.

**STEP 2**
Connect to the aftermarket radio.

**STEP 3**
Refer to wire chart for wire location.

**STEP 4**
Connect to twisted wires behind connector.

**STEP 5**
Connect Aux In only if you don’t have Sync.

**STEP 6**
Connect to twisted wires behind connector.
# VEHICLE WIRE REFERENCE CHART

<table>
<thead>
<tr>
<th>Wire Description</th>
<th>Connector Name</th>
<th>Connector Color</th>
<th>Connector Type</th>
<th>Position</th>
<th>Wire Color</th>
<th>Polarity</th>
<th>Wire Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>Can2H</td>
<td>OBDII</td>
<td>-</td>
<td>16 pin</td>
<td>06</td>
<td>White/Blue</td>
<td>(DATA)</td>
<td>OBDII connector, under driver side dash</td>
</tr>
<tr>
<td>Can2L</td>
<td>OBDII</td>
<td>-</td>
<td>16 pin</td>
<td>14</td>
<td>White</td>
<td>(DATA)</td>
<td>OBDII connector, under driver side dash</td>
</tr>
<tr>
<td>SWI 2</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>Blue/Orange</td>
<td>(MUX)</td>
<td>Center console, right side, harness going to the back</td>
</tr>
</tbody>
</table>

SWI 2 connection is required only if vehicle is equipped with Sync.
# RADIO WIRE REFERENCE CHART

<table>
<thead>
<tr>
<th>Wire Description</th>
<th>Polarity</th>
<th>Wire Color on Maestro T-Harness</th>
<th>Wire Color on Alpine cable</th>
<th>Wire Color on Kenwood cable</th>
<th>Wire Color on Pioneer cable</th>
</tr>
</thead>
<tbody>
<tr>
<td>Illumination</td>
<td>(+)</td>
<td>Orange</td>
<td>N/A</td>
<td>Orange/White</td>
<td>Orange/White</td>
</tr>
<tr>
<td>Reverse Light</td>
<td>(+)</td>
<td>Purple/White</td>
<td>Orange/White</td>
<td>Purple/White</td>
<td>Purple/White</td>
</tr>
<tr>
<td>E-Brake</td>
<td>(-)</td>
<td>Lt Green</td>
<td>Yellow/Blue</td>
<td>Lt Green</td>
<td>Lt Green</td>
</tr>
<tr>
<td>Foot Brake</td>
<td>(+)</td>
<td>Yellow/Black</td>
<td>Yellow/Black</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>VSS [vehicle speed sensor]</td>
<td>[DATA]</td>
<td>Pink</td>
<td>Green/White</td>
<td>N/A</td>
<td>Pink</td>
</tr>
</tbody>
</table>
OPTIONAL ACCESSORIES
None

PROGRAMMED FIRMWARE
ADS-RR(SR)-FOR01-DS2

PRODUCTS REQUIRED
iDatalink Maestro RR Radio Replacement Interface
iDatalink Maestro FO1 Installation Harness

INSTALL GUIDE
LINCOLN MKT
2010-2012

RETAINS STEERING WHEEL CONTROLS
SYNC VOICE COMMANDS, SYNC BLUETOOTH,
SIRIUS SATELLITE AND MORE!

NOTICE: Automotive Data Solutions Inc. (ADS) recommends having this installation performed by a certified technician. Logos and trademarks used here in are the properties of their respective owners.
**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

support@idatalink.com

maestro.idatalink.com/support

www.12volldata.com/forum

---

**TABLE OF CONTENTS**

<table>
<thead>
<tr>
<th>Section</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Installation Instructions</td>
<td>3</td>
</tr>
<tr>
<td>Wiring Diagram</td>
<td>5</td>
</tr>
<tr>
<td>Vehicle Wire Reference Chart</td>
<td>6</td>
</tr>
<tr>
<td>Radio Wire Reference Chart</td>
<td>7</td>
</tr>
</tbody>
</table>

---

Automotive Data Solutions Inc. © 2015

maestro.idatalink.com
INSTALLATION INSTRUCTIONS

STEP 1
- Unbox the aftermarket radio and locate its main harness.
- Cut the WHITE, GRAY, GREEN and PURPLE RCA tips. Connect every wire to the aftermarket radio main harness and match the wire colors.
- Connect every wire from the aftermarket radio main harness to the FO1 T-harness and match the wire colors. (Refer to Diagram)

STEP 2
(Required for vehicles equipped with SYNC, without factory navigation system; refer to Vehicle Wire Chart)
- Disassemble the dashboard carefully and remove the factory radio from its housing without disconnecting it.
- See the WIRE CHART for vehicle wire color and location.
- Use a multimeter to test the SWI 2 wire. Connect the BLACK test probe to ground (-) and connect the RED test probe to the wire SWI 2 wire. Have the ignition and the radio ON. If the SWI 2 wire is connected, the multimeter will display approximately 5 volts. This value will drop upon pressing the steering wheel voice, phone or OK button.
- Cut the SWI 2 INPUT wire.
- Connect the PINK/RED wire of FO1 T-harness to the SWI 2 INPUT wire going to the steering wheel. Insulate the wire side going to the SYNC module and plug the SYNC harness into the SYNC module.

STEP 3
- Connect the factory harness to the FO1 T-harness. Connect only the available connectors. For example, if the factory harness has two connectors, connect only these two connectors.

STEP 4
- Access the OBDII connector located under the driver side dashboard.
- Connect the RED/BROWN wire of FO1 T-harness to WHITE/BLUE wire of the OBDII connector located at pin 6.
- Connect the YELLOW/BROWN wire of FO1 T-harness to the WHITE wire of the OBDII connector located at pin 14.

NOTE:

STEP 5
- Plug the aftermarket radio harnesses into the aftermarket radio.
- Plug the Data cable to the data port of the aftermarket radio.
- Insert the Audio cable into the iDatalink 3.5 mm audio jack of the aftermarket radio.

NOTE:
In Pioneer radios: plug Audio cable in auxiliary input of the radio.
- Insert the RCA connectors into the aftermarket radio.

NOTES:
The RCA connectors labeled SUB IN can be used to feed the subwoofer channel of the factory amplifier.
The RCA connector labeled CENTER IN can be used to feed the center channel of the THX system or as a second subwoofer channel (if applicable).
The RCA connectors labeled AUX IN can be used to connect the factory 3.5 mm audio jack, in vehicles that are NOT equipped with SYNC, to the auxiliary input of the aftermarket radio.

STEP 6
- Secure the aftermarket radio in the dashboard housing.
- Connect all the harnesses to the Maestro RR module.

MODULE PROGRAMMING
- Open the vehicle driver door, insert the key into the ignition and turn it to the ACC position.
- The OEM Bluetooth is OFF by default. To activate it, go to the radio screen, scroll down to FORD SETUP, press SET, go to the OEM Bluetooth and press ON, then Press the BACK button [circular shaped arrow].
- Scroll down, press FINISH and wait. Press START, then press NEXT.
- Now follow the radio screen instructions while performing the following steps: Turn the key to the OFF position, then to the ACC position, turn it back to the OFF position, then to the ACC position.

The module is now programmed and ready to be used. To access the new menus, press on FORD FEATURES.
- Test all the functionalities then reassemble the dashboard carefully.
INSTALLATION INSTRUCTIONS

TROUBLESHOOTING TIPS:

• To reset the module back its factory settings, 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.

• For technical assistance call 1-866-427-2999 or e-mail “support@idatalink.com”. Visit us at “maestro.idatalink.com/support” and “www.12voltdata.com/forum/”
WIRING DIAGRAM

STEP 1
Cut and remove the speaker wire junction connectors.

STEP 2
Pink/red - SW 2 (-) input
Steering wheel side
Refer to wire chart for wire location.

STEP 3
Factory radio harness
Wires from vehicle

STEP 4
Red/brown - CAN2H
White/blue
Yellow/brown - CAN2L
White
Note: Pin side view. Connect to twisted wires behind connector.

STEP 5
Connect to aftermarket radio

STEP 6
Connect aux in only if you don’t have sync

Connect aux in only if you don’t have sync
Connect aux in only if you don’t have sync

Connect to twisted wires behind connector.

White - LF speaker (+)
White/black - LF speaker (-)
Gray/black - RF speaker (+)
Gray - RF speaker (-)
Green - LR speaker (+)
Green/black - LR speaker (-)
Purple - RR speaker (+)
Purple/black - RR speaker (-)
Blue/white - Amp turn on (+)
Black - Ground
Red - Accessory (+)
Yellow - 12V (+)
Orange - Illumination (+)
Purple/white - Reverse light (+)
Ltgreen - E-brake (-)
Pink - Vehicle speed
Yellow/black - Foot brake
Brown (not connected)

Yellow/black - Foot brake
Brown (not connected)

White - LF speaker (+)
White/black - LF speaker (-)
Gray/black - RF speaker (+)
Gray - RF speaker (-)
Green - LR speaker (+)
Green/black - LR speaker (-)
Purple - RR speaker (+)
Purple/black - RR speaker (-)
Blue/white - Amp turn on (+)
Black - Ground
Red - Accessory (+)
Yellow - 12V (+)
Orange - Illumination (+)
Purple/white - Reverse light (+)
Ltgreen - E-brake (-)
Pink - Vehicle speed
Yellow/black - Foot brake
Brown (not connected)

Connect to aftermarket radio

Connect aux in only if you don’t have sync

Connect aux in only if you don’t have sync

Connect aux in only if you don’t have sync

Connect aux in only if you don’t have sync
# VEHICLE WIRE REFERENCE CHART

<table>
<thead>
<tr>
<th>Wire Description</th>
<th>Connector Name</th>
<th>Connector Color</th>
<th>Connector Type</th>
<th>Position</th>
<th>Wire Color</th>
<th>Polarity</th>
<th>Wire Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>Can2H</td>
<td>OBDII</td>
<td>-</td>
<td>16 pin</td>
<td>06</td>
<td>White/Blue</td>
<td>[DATA]</td>
<td>OBDII connector, under driver side dash</td>
</tr>
<tr>
<td>Can2L</td>
<td>OBDII</td>
<td>-</td>
<td>16 pin</td>
<td>14</td>
<td>White</td>
<td>[DATA]</td>
<td>OBDII connector, under driver side dash</td>
</tr>
<tr>
<td>SWI 2</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>Blue/Orange</td>
<td>[MUX]</td>
<td>Center console, right side, harness going to the back.</td>
</tr>
</tbody>
</table>

SWI 2 connection is required only if vehicle is equipped with Sync.
# RADIO WIRE REFERENCE CHART

<table>
<thead>
<tr>
<th>Wire Description</th>
<th>Polarity</th>
<th>Wire Color on Maestro T-Harness</th>
<th>Wire Color on Alpine cable</th>
<th>Wire Color on Kenwood cable</th>
<th>Wire Color on Pioneer cable</th>
</tr>
</thead>
<tbody>
<tr>
<td>Illumination</td>
<td>(+)</td>
<td>Orange</td>
<td>N/A</td>
<td>Orange/White</td>
<td>Orange/White</td>
</tr>
<tr>
<td>Reverse Light</td>
<td>(+)</td>
<td>Purple/White</td>
<td>Orange/White</td>
<td>Purple/White</td>
<td>Purple/White</td>
</tr>
<tr>
<td>E-Brake</td>
<td>(-)</td>
<td>Lt Green</td>
<td>Yellow/Blue</td>
<td>Lt Green</td>
<td>Lt Green</td>
</tr>
<tr>
<td>Foot Brake</td>
<td>(+)</td>
<td>Yellow/Black</td>
<td>Yellow/Black</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>VSS (Vehicle speed sensor)</td>
<td>[DATA]</td>
<td>Pink</td>
<td>Green/White</td>
<td>N/A</td>
<td>Pink</td>
</tr>
</tbody>
</table>
INSTALL GUIDE
LINCOLN MKX
2007-2010
RETAINS STEERING WHEEL CONTROLS, SYNC VOICE COMMANDS, SYNC BLUETOOTH, SIRIUS SATELLITE AND MORE!

PRODUCTS REQUIRED
iDatalink Maestro RR Radio Replacement Interface
iDatalink Maestro FO1 Installation Harness

OPTIONAL ACCESSORIES
None

PROGRAMMED Firmware
ADS-RR(SR)-FOR01-DS2

NOTICE: Automotive Data Solutions Inc. (ADS) recommends having this installation performed by a certified technician. Logos and trademarks used here in are the properties of their respective owners.
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

support@idatalink.com

maestro.idatalink.com/support

www.12voltdata.com/forum

TABLE OF CONTENTS

<table>
<thead>
<tr>
<th>Installation Instructions</th>
<th>3</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wiring Diagram</td>
<td>5</td>
</tr>
<tr>
<td>Vehicle Wire Reference Chart</td>
<td>6</td>
</tr>
<tr>
<td>Radio Wire Reference Chart</td>
<td>7</td>
</tr>
</tbody>
</table>
INSTALLATION INSTRUCTIONS

STEP 1
• Unbox the aftermarket radio and locate its main harness.
• Cut the WHITE, GRAY, GREEN and PURPLE RCA tips. Connect every wire to the aftermarket radio main harness and match the wire colors.
• Connect every wire from the aftermarket radio main harness to the FO1 T-harness and match the wire colors. [Refer to Diagram]

STEP 2
[Required for vehicles equipped with SYNC, without factory navigation system; refer to Vehicle Wire Chart]
• Disassemble the dashboard carefully and remove the factory radio from its housing without disconnecting it.
• See the WIRE CHART for vehicle wire color and location.
• Use a multimeter to test the SWI 2 wire. Connect the BLACK test probe to ground (-) and connect the RED test probe to the wire SWI 2 wire. Have the ignition and the radio ON. If the SWI 2 wire is connected, the multimeter will display approximately 5 volts. This value will drop upon pressing the steering wheel voice, phone or OK button.
• Cut the SWI 2 INPUT wire.
• Connect the PINK/RED wire of FO1 T-harness to the SWI 2 INPUT wire going to the steering wheel. Insulate the wire side going to the SYNC module and plug the SYNC harness into the SYNC module.

STEP 3
• Connect the factory harness to the FO1 T-harness. Connect only the available connectors. For example, if the factory harness has two connectors, connect only these two connectors.

STEP 4
• Access the OBDII connector located under the driver side dashboard.
• Connect the RED/BROWN wire of FO1 T-harness to WHITE/BLUE wire of the OBDII connector located at pin 6.
• Connect the YELLOW/BROWN wire of FO1 T-harness to the WHITE wire of the OBDII connector located at pin 14.

STEP 5
• Plug the aftermarket radio harnesses into the aftermarket radio.
• Plug the Data cable to the data port of the aftermarket radio.
• Insert the Audio cable into the iDatalink 3.5 mm audio jack of the aftermarket radio.
NOTE:
In Pioneer radios: plug Audio cable in auxiliary input of the radio.
• Insert the RCA connectors into the aftermarket radio.
NOTES:
The RCA connectors labeled SUB IN can be used to feed the subwoofer channel of the factory amplifier.
The RCA connector labeled CENTER IN can be used to feed the center channel of the THX system or as a second subwoofer channel (if applicable).
The RCA connectors labeled AUX IN can be used to connect the factory 3.5 mm audio jack, in vehicles that are NOT equipped with SYNC, to the auxiliary input of the aftermarket radio.

STEP 6
• Secure the aftermarket radio in the dashboard housing.
• Connect all the harnesses to the Maestro RR module.

MODULE PROGRAMMING
• Open the vehicle driver door, insert the key into the ignition and turn it to the ACC position.
• The OEM Bluetooth is OFF by default. To activate it, go to the radio screen, scroll down to FORD SETUP, press SET, go to the OEM Bluetooth and press ON, then Press the BACK button [circular shaped arrow].
• Scroll down, press FINISH and wait. Press START, then press NEXT.
• Now follow the radio screen instructions while performing the following steps: Turn the key to the OFF position, then to the ACC position, turn it back to the OFF position, then to the ACC position.
The module is now programmed and ready to be used. To access the new menus, press on FORD FEATURES.
• Test all the functionalities then reassemble the dashboard carefully.
INSTALLATION INSTRUCTIONS

TROUBLESHOOTING TIPS:

• To reset the module back its factory settings, 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.

• For technical assistance call 1-866-427-2999 or e-mail “support@idatalink.com”. Visit us at “maestro.idatalink.com/support” and “www.12voltdata.com/forum/”
WIRING DIAGRAM

STEP 1
CUT AND REMOVE THE SPEAKER WIRE JUNCTION CONNECTORS.
- 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 (+)
- BLACK - GROUND
- RED - ACCESSORY (+)
- YELLOW - 12V (+)
- ORANGE - ILLUMINATION (+)
- PURPLE/WHITE - REVERSE LIGHT (+)
- LT GREEN - E-BRAKE (-)
- PINK - VEHICLE SPEED
- YELLOW/BLACK - FOOT BRAKE
- BROWN (NOT CONNECTED)

STEP 2
PINK/RED - SW 2 (-) INPUT
STEERING WHEEL SIDE
- REFER TO WIRE CHART FOR WIRE LOCATION
SYNC HARNESS
INSULATE WIRE
SYNC MODULE SIDE
- CONNECT AUX IN ONLY IF YOU DON’T HAVE SYNC

STEP 3
FACTORY RADIO HARNESS
- Wires from Vehicle

STEP 4
OBII CONNECTOR
- RED/BROWN - CAN2H
- YELLOW/BROWN - CAN2L
NOTE: PIN SIDE VIEW.
CONNECT TO TWISTED WIRES BEHIND CONNECTOR.

STEP 5
MAIN HARNESS
CONNECT TO AFTERMARKET RADIO
SUB IN CENTER IN AUX IN
RCA CABLES

STEP 6
FO1 T-HARNESS
MAESTRO RR MODULE
- CONNECT TO AFTERMARKET RADIO
WIRE CHART
## VEHICLE WIRE REFERENCE CHART

<table>
<thead>
<tr>
<th>Wire Description</th>
<th>Connector Name</th>
<th>Connector Color</th>
<th>Connector Type</th>
<th>Position</th>
<th>Wire Color</th>
<th>Polarity</th>
<th>Wire Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>Can2H</td>
<td>OBDII</td>
<td>-</td>
<td>16 pin</td>
<td>06</td>
<td>White/Blue</td>
<td>[DATA]</td>
<td>OBDII connector, under driver side dash</td>
</tr>
<tr>
<td>Can2L</td>
<td>OBDII</td>
<td>-</td>
<td>16 pin</td>
<td>14</td>
<td>White</td>
<td>[DATA]</td>
<td>OBDII connector, under driver side dash</td>
</tr>
<tr>
<td>SWI 2</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>Blue/Orange</td>
<td>[MUX]</td>
<td>Center console, right side, harness going to the back.</td>
</tr>
</tbody>
</table>

SWI 2 connection is required only if vehicle is equipped with Sync.
# RADIO WIRE REFERENCE CHART

<table>
<thead>
<tr>
<th>Wire Description</th>
<th>Polarity</th>
<th>Wire Color on Maestro T-Harness</th>
<th>Wire Color on Alpine cable</th>
<th>Wire Color on Kenwood cable</th>
<th>Wire Color on Pioneer cable</th>
</tr>
</thead>
<tbody>
<tr>
<td>Illumination</td>
<td>(+)</td>
<td>Orange</td>
<td>N/A</td>
<td>Orange/White</td>
<td>Orange/White</td>
</tr>
<tr>
<td>Reverse Light</td>
<td>(+)</td>
<td>Purple/White</td>
<td>Orange/White</td>
<td>Purple/White</td>
<td>Purple/White</td>
</tr>
<tr>
<td>E-Brake</td>
<td>(-)</td>
<td>Lt Green</td>
<td>Yellow/Blue</td>
<td>Lt Green</td>
<td>Lt Green</td>
</tr>
<tr>
<td>Foot Brake</td>
<td>(+)</td>
<td>Yellow/Black</td>
<td>Yellow/Black</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>VSS (vehicle speed sensor)</td>
<td>[DATA]</td>
<td>Pink</td>
<td>Green/White</td>
<td>N/A</td>
<td>Pink</td>
</tr>
</tbody>
</table>
INSTALL GUIDE
LINCOLN MKZ
2007-2012

RETAINS STEERING WHEEL CONTROLS Sync Voice Commands, Sync Bluetooth,
SIRIUS Satellite and More!

NOTICE: Automotive Data Solutions Inc. (ADS) recommends having this installation performed by a certified technician. Logos and trademarks used here in are the properties of their respective owners.
WELCOME

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

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

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

TABLE OF CONTENTS

<table>
<thead>
<tr>
<th>Content</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Installation Instructions</td>
<td>3</td>
</tr>
<tr>
<td>Wiring Diagram</td>
<td>5</td>
</tr>
<tr>
<td>Vehicle Wire Reference Chart</td>
<td>6</td>
</tr>
<tr>
<td>Radio Wire Reference Chart</td>
<td>7</td>
</tr>
</tbody>
</table>

NEED HELP?

1 866 427-2999

support@idatalink.com

maestro.idatalink.com/support

www.12voltd ata.com/forum
INSTALLATION INSTRUCTIONS

STEP 1

• Unbox the aftermarket radio and locate its main harness.
• Cut the WHITE, GRAY, GREEN and PURPLE RCA tips. Connect every wire to the aftermarket radio main harness and match the wire colors.
• Connect every wire from the aftermarket radio main harness to the FO1 T-harness and match the wire colors. (Refer to Diagram)

STEP 2

[Required for vehicles equipped with SYNC, without factory navigation system; refer to Vehicle Wire Chart]
• Disassemble the dashboard carefully and remove the factory radio from its housing without disconnecting it.
• See the WIRE CHART for vehicle wire color and location.
• Use a multimeter to test the SWI 2 wire. Connect the BLACK test probe to ground (-) and connect the RED test probe to the wire SWI 2 wire. Have the ignition and the radio ON. If the SWI 2 wire is connected, the multimeter will display approximately 5 volts. This value will drop upon pressing the steering wheel voice, phone or OK button.
• Cut the SWI 2 INPUT wire.
• Connect the PINK/RED wire of FO1 T-harness to the SWI 2 INPUT wire going to the steering wheel. Insulate the wire side going to the SYNC module and plug the SYNC harness into the SYNC module.

STEP 3

• Connect the factory harness to the FO1 T-harness. Connect only the available connectors. For example, if the factory harness has two connectors, connect only these two connectors.

STEP 4

• Access the OBDII connector located under the driver side dashboard.
• Connect the RED/BROWN wire of FO1 T-harness to WHITE/BLUE wire of the OBDII connector located at pin 6.
• Connect the YELLOW/BROWN wire of FO1 T-harness to the WHITE wire of the OBDII connector located at pin 14.

NOTE:

STEP 5

• Plug the aftermarket radio harnesses into the aftermarket radio.
• Plug the Data cable to the data port of the aftermarket radio.
• Insert the Audio cable into the iDatalink 3.5 mm audio jack of the aftermarket radio.

NOTE:
In Pioneer radios: plug Audio cable in auxiliary input of the radio.
• Insert the RCA connectors into the aftermarket radio.

NOTES:
The RCA connectors labeled SUB IN can be used to feed the subwoofer channel of the factory amplifier.
The RCA connector labeled CENTER IN can be used to feed the center channel of the THX system or as a second subwoofer channel (if applicable).
The RCA connectors labeled AUX IN can be used to connect the factory 3.5 mm audio jack, in vehicles that are NOT equipped with SYNC, to the auxiliary input of the aftermarket radio.

STEP 6

• Secure the aftermarket radio in the dashboard housing.
• Connect all the harnesses to the Maestro RR module.

MODULE PROGRAMMING

• Open the vehicle driver door, insert the key into the ignition and turn it to the ACC position.
• The OEM Bluetooth is OFF by default. To activate it, go to the radio screen, scroll down to FORD SETUP, press SET, go to the OEM Bluetooth and press ON, then Press the BACK button [circular shaped arrow].
• Scroll down, press FINISH and wait. Press START, then press NEXT.
• Now follow the radio screen instructions while performing the following steps: Turn the key to the OFF position, then to the ACC position, turn it back to the OFF position, then to the ACC position.

The module is now programmed and ready to be used. To access the new menus, press on FORD FEATURES.
• Test all the functionalities then reassemble the dashboard carefully.
INSTALLATION INSTRUCTIONS

TROUBLESHOOTING TIPS:

• To reset the module back its factory settings, 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.

• For technical assistance call 1-866-427-2999 or e-mail “support@idatalink.com”. Visit us at “maestro.idatalink.com/support” and “www.12voltdata.com/forum/”
WIRING DIAGRAM

STEP 1
CUT AND REMOVE THE SPEAKER WIRE JUNCTION CONNECTORS

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 (+)
BLACK - GROUND
RED - ACCESSORY (+)
YELLOW - 12V (+)
ORANGE - ILLUMINATION (+)
PURPLE/WHITE - REVERSE LIGHT (+)
LTGREEN - E-BRAKE (-)
PINK - VEHICLE SPEED
YELLOW/BLACK - FOOT BRAKE
BROWN (NOT CONNECTED)

STEP 2
PINK/RED - SWI 2 (-) INPUT

STEP 3
FACTORY RADIO HARNESS

STEP 4
RED/BROWN - CAN2H
YELLOW/BROWN - CAN2L
WHITE/BLUE

STEP 5
CONNECT TO AFTERMARKET RADIO

STEP 6
FO1 T-HARNESS

FO1 T-HARNESS

NOTE: PIN SIDE VIEW.
CONNECT TO TWISTED WIRES BEHIND CONNECTOR.
## VEHICLE WIRE REFERENCE CHART

<table>
<thead>
<tr>
<th>Wire Description</th>
<th>Connector Name</th>
<th>Connector Color</th>
<th>Connector Type</th>
<th>Position</th>
<th>Wire Color</th>
<th>Polarity</th>
<th>Wire Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>Can2H</td>
<td>OBDII</td>
<td>-</td>
<td>16 pin</td>
<td>06</td>
<td>White/Blue</td>
<td>[DATA]</td>
<td>OBDII connector, under driver side dash</td>
</tr>
<tr>
<td>Can2L</td>
<td>OBDII</td>
<td>-</td>
<td>16 pin</td>
<td>14</td>
<td>White</td>
<td>[DATA]</td>
<td>OBDII connector, under driver side dash</td>
</tr>
<tr>
<td>SWI 2</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>Blue/Orange</td>
<td>[MUX]</td>
<td>Center console, right side, harness going to the back</td>
</tr>
</tbody>
</table>

SWI 2 connection is required only if vehicle is equipped with Sync.
# RADIO WIRE REFERENCE CHART

<table>
<thead>
<tr>
<th>Wire Description</th>
<th>Polarity</th>
<th>Wire Color on Maestro T-Harness</th>
<th>Wire Color on Alpine cable</th>
<th>Wire Color on Kenwood cable</th>
<th>Wire Color on Pioneer cable</th>
</tr>
</thead>
<tbody>
<tr>
<td>Illumination</td>
<td>(+)</td>
<td>Orange</td>
<td>N/A</td>
<td>Orange/White</td>
<td>Orange/White</td>
</tr>
<tr>
<td>Reverse Light</td>
<td>(+)</td>
<td>Purple/White</td>
<td>Orange/White</td>
<td>Purple/White</td>
<td>Purple/White</td>
</tr>
<tr>
<td>E-Brake</td>
<td>(-)</td>
<td>Lt Green</td>
<td>Yellow/Blue</td>
<td>Lt Green</td>
<td>Lt Green</td>
</tr>
<tr>
<td>Foot Brake</td>
<td>(+)</td>
<td>Yellow/Black</td>
<td>Yellow/Black</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>VSS [vehicle speed sensor]</td>
<td>[DATA]</td>
<td>Pink</td>
<td>Green/White</td>
<td>N/A</td>
<td>Pink</td>
</tr>
</tbody>
</table>
## INSTALL GUIDE

**LINCOLN NAVIGATOR**

2007-2014

RETAINS STEERING WHEEL CONTROLS, SYNC VOICE COMMANDS, SYNC BLUETOOTH, SIRIUS SATELLITE AND MORE!

---

### PRODUCTS REQUIRED

- iDatalink Maestro RR Radio Replacement Interface
- iDatalink Maestro FO1 Installation Harness

### OPTIONAL ACCESSORIES

None

### PROGRAMMED FIRMWARE

- ADS-RR(SR)-FOR01-DS2

---

NOTICE: Automotive Data Solutions Inc. (ADS) recommends having this installation performed by a certified technician. Logos and trademarks used here in are the properties of their respective owners.
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

support@idatalink.com

maestro.idatalink.com/support

www.12voltdata.com/forum

TABLE OF CONTENTS

<table>
<thead>
<tr>
<th>Section</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Installation Instructions</td>
<td>3</td>
</tr>
<tr>
<td>Wiring Diagram</td>
<td>5</td>
</tr>
<tr>
<td>Vehicle Wire Reference Chart</td>
<td>6</td>
</tr>
<tr>
<td>Radio Wire Reference Chart</td>
<td>7</td>
</tr>
</tbody>
</table>
INSTALLATION INSTRUCTIONS

STEP 1
• Unbox the aftermarket radio and locate its main harness.
• Cut the WHITE, GRAY, GREEN and PURPLE RCA tips. Connect every wire to the aftermarket radio main harness and match the wire colors.
• Connect every wire from the aftermarket radio main harness to the FO1 T-harness and match the wire colors. (Refer to Diagram)

STEP 2
(Required for vehicles equipped with SYNC, without factory navigation system; refer to Vehicle Wire Chart)
• Disassemble the dashboard carefully and remove the factory radio from its housing without disconnecting it.
• See the WIRE CHART for vehicle wire color and location.
• Use a multimeter to test the SWI 2 wire. Connect the BLACK test probe to ground (-) and connect the RED test probe to the wire SWI 2 wire. Have the ignition and the radio ON. If the SWI 2 wire is connected, the multimeter will display approximately 5 volts. This value will drop upon pressing the steering wheel voice, phone or OK button.
• Cut the SWI 2 INPUT wire.
• Connect the PINK/RED wire of FO1 T-harness to the SWI 2 INPUT wire going to the steering wheel. Insulate the wire side going to the SYNC module and plug the SYNC harness into the SYNC module.

STEP 3
• Connect the factory harness to the FO1 T-harness. Connect only the available connectors. For example, if the factory harness has two connectors, connect only these two connectors.

STEP 4
• Access the OBDII connector located under the driver side dashboard.
• Connect the RED/BROWN wire of FO1 T-harness to WHITE/BLUE wire of the OBDII connector located at pin 6.
• Connect the YELLOW/BROWN wire of FO1 T-harness to the WHITE wire of the OBDII connector located at pin 14.

STEP 5
• Plug the aftermarket radio harnesses into the aftermarket radio.
• Plug the Data cable to the data port of the aftermarket radio.
• Insert the Audio cable into the iDatalink 3.5 mm audio jack of the aftermarket radio.
NOTE:
In Pioneer radios: plug Audio cable in auxiliary input of the radio.
• Insert the RCA connectors into the aftermarket radio.
NOTES:
The RCA connectors labeled SUB IN can be used to feed the subwoofer channel of the factory amplifier.
The RCA connector labeled CENTER IN can be used to feed the center channel of the THX system or as a second subwoofer channel (if applicable).
The RCA connectors labeled AUX IN can be used to connect the factory 3.5 mm audio jack, in vehicles that are NOT equipped with SYNC, to the auxiliary input of the aftermarket radio.

STEP 6
• Secure the aftermarket radio in the dashboard housing.
• Connect all the harnesses to the Maestro RR module.

MODULE PROGRAMMING
• Open the vehicle driver door, insert the key into the ignition and turn it to the ACC position.
• The OEM Bluetooth is OFF by default. To activate it, go to the radio screen, scroll down to FORD SETUP, press SET, go to the OEM Bluetooth and press ON, then Press the BACK button (circular shaped arrow).
• Scroll down, press FINISH and wait. Press START, then press NEXT.
• Now follow the radio screen instructions while performing the following steps: Turn the key to the OFF position, then to the ACC position, turn it back to the OFF position, then to the ACC position.
• The module is now programmed and ready to be used. To access the new menus, press on FORD FEATURES.
• Test all the functionalities then reassemble the dashboard carefully.
INSTALLATION INSTRUCTIONS

TROUBLESHOOTING TIPS:

• To reset the module back its factory settings, 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.

• For technical assistance call 1-866-427-2999 or e-mail “support@idatalink.com”. Visit us at “maestro.idatalink.com/support” and “www.12voltdata.com/forum/”
STEP 1
CUT AND REMOVE THE SPEAKER WIRE JUNCTION CONNECTORS

STEP 2
PINK/RED - SW 2 (-) INPUT
STEERING WHEEL SIDE
INSULATE WIRE
SYNC MODULE SIDE
REFER TO WIRE CHART FOR WIRE LOCATION

STEP 3
FACTORY RADIO HARNESS
WIRE CONNECTIONS

STEP 4
OBDII CONNECTOR
WIRE CONNECTIONS

STEP 5
CONNECT TO AFTERMARKET RADIO

STEP 6
MAESTRO RR MODULE
**VEHICLE WIRE REFERENCE CHART**

<table>
<thead>
<tr>
<th>Wire Description</th>
<th>Connector Name</th>
<th>Connector Color</th>
<th>Connector Type</th>
<th>Position</th>
<th>Wire Color</th>
<th>Polarity</th>
<th>Wire Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>Can2H</td>
<td>OBDII</td>
<td>-</td>
<td>16 pin</td>
<td>06</td>
<td>White/Blue</td>
<td>[DATA]</td>
<td>OBDII connector, under driver side dash</td>
</tr>
<tr>
<td>Can2L</td>
<td>OBDII</td>
<td>-</td>
<td>16 pin</td>
<td>14</td>
<td>White</td>
<td>[DATA]</td>
<td>OBDII connector, under driver side dash</td>
</tr>
<tr>
<td>SWI 2</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Blue/Orange</td>
<td>[MUX]</td>
<td>Sync unit, center console.</td>
</tr>
</tbody>
</table>

SWI 2 connection is required only if vehicle is equipped with Sync.
## RADIO WIRE REFERENCE CHART

<table>
<thead>
<tr>
<th>Wire Description</th>
<th>Polarity</th>
<th>Wire Color on Maestro T-Harness</th>
<th>Wire Color on Alpine cable</th>
<th>Wire Color on Kenwood cable</th>
<th>Wire Color on Pioneer cable</th>
</tr>
</thead>
<tbody>
<tr>
<td>Illumination (+)</td>
<td>Orange</td>
<td>N/A</td>
<td>Orange/White</td>
<td>Orange/White</td>
<td>Orange/White</td>
</tr>
<tr>
<td>Reverse Light (+)</td>
<td>Purple/White</td>
<td>Orange/White</td>
<td>Purple/White</td>
<td>Purple/White</td>
<td>Purple/White</td>
</tr>
<tr>
<td>E-Brake (-)</td>
<td>Lt Green</td>
<td>Yellow/Blue</td>
<td>Lt Green</td>
<td>Lt Green</td>
<td>Lt Green</td>
</tr>
<tr>
<td>Foot Brake (+)</td>
<td>Yellow/Black</td>
<td>Yellow/Black</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>VSS [vehicle speed sensor] (DATA)</td>
<td>Pink</td>
<td>Green/White</td>
<td>N/A</td>
<td>N/A</td>
<td>Pink</td>
</tr>
</tbody>
</table>
INSTALL GUIDE
LINCOLN ZEPHYR
2006

RETAINS STEERING WHEEL CONTROLS SYNC VOICE COMMANDS, SYNC BLUETOOTH,
SIRIUS SATELLITE AND MORE!

PRODUCTS REQUIRED
- iDatalink Maestro RR Radio Replacement Interface
- iDatalink Maestro FO1 Installation Harness

OPTIONAL ACCESSORIES
- None

PROGRAMMED Firmware
- ADS-RR(SR)-FOR01-DS2

NOTICE: Automotive Data Solutions Inc. (ADS) recommends having this installation performed by a certified technician. Logos and trademarks used here in are the properties of their respective owners.
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.

WELCOME

NEED HELP?

1 866 427-2999

support@idatalink.com

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

TABLE OF CONTENTS

Installation Instructions 3
Wiring Diagram 5
Vehicle Wire Reference Chart 6
Radio Wire Reference Chart 7
INSTALLATION INSTRUCTIONS

STEP 1
• Unbox the aftermarket radio and locate its main harness.
• Cut the WHITE, GRAY, GREEN and PURPLE RCA tips. Connect every wire to the aftermarket radio main harness and match the wire colors.
• Connect every wire from the aftermarket radio main harness to the FO1 T-harness and match the wire colors. (Refer to Diagram)
• Remove the factory radio.

STEP 2
• Connect the factory harness to the FO1 T-harness. Connect only the available connectors. For example, if the factory harness has two connectors, connect only these two connectors.

STEP 3
• Access the OBDII connector located under the driver side dashboard.
• Connect the RED/BROWN wire of FO1 T-harness to WHITE/BLUE wire of the OBDII connector located at pin 6.
• Connect the YELLOW/BROWN wire of FO1 T-harness to the WHITE wire of the OBDII connector located at pin 14.

NOTE:

STEP 4
• Plug the aftermarket radio harnesses into the aftermarket radio.
• Plug the Data cable to the data port of the aftermarket radio.
• Insert the Audio cable into the iDatalink 3.5 mm audio jack of the aftermarket radio.

NOTE:
In Pioneer radios: plug Audio cable in auxiliary input of the radio.

• Insert the RCA connectors into the aftermarket radio.

NOTES:
The RCA connectors labeled SUB IN can be used to feed the subwoofer channel of the factory amplifier.
The RCA connector labeled CENTER IN can be used to feed the center channel of the THX system or as a second subwoofer channel (if applicable).
The RCA connectors labeled AUX IN can be used to connect the factory 3.5 mm audio jack, in vehicles that are NOT equipped with SYNC, to the auxiliary input of the aftermarket radio.

STEP 5
• Secure the aftermarket radio in the dashboard housing.
• Connect all the harnesses to the Maestro RR module.

MODULE PROGRAMMING
• Open the vehicle driver door, insert the key into the ignition and turn it to the ACC position.
• The OEM Bluetooth is OFF by default. To activate it, go to the radio screen, scroll down to FORD SETUP, press SET, go to the OEM Bluetooth and press ON, then Press the BACK button (circular shaped arrow).
• Scroll down, press FINISH and wait. Press START, then press NEXT.
• Now follow the radio screen instructions while performing the following steps: Turn the key to the OFF position, then to the ACC position, turn it back to the OFF position, then to the ACC position.

The module is now programmed and ready to be used. To access the new menus, press on FORD FEATURES.
• Test all the functionalities then reassemble the dashboard carefully.
INSTALLATION INSTRUCTIONS

TROUBLESHOOTING TIPS:

• To reset the module back its factory settings, 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.

• For technical assistance call 1-866-427-2999 or e-mail “support@idatalink.com”. Visit us at “maestro.idatalink.com/support” and “www.12voltdata.com/forum/”
WIRING DIAGRAM

**STEP 1**

Cut and remove the speaker wire junction connectors.

**STEP 2**

Factory radio harness.

**STEP 3**

OBDII connector.

**STEP 4**

Main harness.

**STEP 5**

Connect to aftermarket radio.

Connect aux in only if you don’t have Sync.

White - LF speaker (+)
White/Black - LF speaker (-)
Gray/Black - RF speaker (+)
Gray/Black - RF speaker (-)
Purple - RR speaker (+)
Purple/Black - RR speaker (-)
Black - Ground
Red - Accessory (+)
Yellow - 12V (+)
Orange - Illumination (+)
Purple/White - Reverse light (+)
Light Green - E-brake (+)
Pink - Vehicle speed
LTGreen - E-brake (-)
Blue/White - Amp turn on (+)

FO1 t-harness

Connect to twisted wires behind connector.

NOTE: Pin side view.

Connect to twisted wires behind connector.

Wires from vehicle
# VEHICLE WIRE REFERENCE CHART

<table>
<thead>
<tr>
<th>Wire Description</th>
<th>Connector Name</th>
<th>Connector Color</th>
<th>Connector Type</th>
<th>Position</th>
<th>Wire Color</th>
<th>Polarity</th>
<th>Wire Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>Can2H</td>
<td>OBDII</td>
<td>-</td>
<td>16 pin</td>
<td>06</td>
<td>White/Blue</td>
<td>[DATA]</td>
<td>OBDII connector, under driver side dash</td>
</tr>
<tr>
<td>Can2L</td>
<td>OBDII</td>
<td>-</td>
<td>16 pin</td>
<td>14</td>
<td>White</td>
<td>[DATA]</td>
<td>OBDII connector, under driver side dash</td>
</tr>
</tbody>
</table>
## RADIO WIRE REFERENCE CHART

<table>
<thead>
<tr>
<th>Wire Description</th>
<th>Polarity</th>
<th>Wire Color on Maestro T-Harness</th>
<th>Wire Color on Alpine cable</th>
<th>Wire Color on Kenwood cable</th>
<th>Wire Color on Pioneer cable</th>
</tr>
</thead>
<tbody>
<tr>
<td>Illumination (+)</td>
<td>Orange</td>
<td>N/A</td>
<td>Orange/White</td>
<td>Orange/White</td>
<td>Orange/White</td>
</tr>
<tr>
<td>Reverse Light (+)</td>
<td>Purple/White</td>
<td>Orange/White</td>
<td>Purple/White</td>
<td>Purple/White</td>
<td>Purple/White</td>
</tr>
<tr>
<td>E-Brake (-)</td>
<td>Lt Green</td>
<td>Yellow/Blue</td>
<td>Lt Green</td>
<td>Lt Green</td>
<td>Lt Green</td>
</tr>
<tr>
<td>Foot Brake (+)</td>
<td>Yellow/Black</td>
<td>Yellow/Black</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>VSS [vehicle speed sensor] [DATA]</td>
<td>Pink</td>
<td>Green/White</td>
<td>N/A</td>
<td>Pink</td>
<td></td>
</tr>
</tbody>
</table>
INSTALL GUIDE
MAZDA TRIBUTE
2008-2011
RETAINS STEERING WHEEL CONTROLS
SYNC VOICE COMMANDS, SYNC BLUETOOTH,
SIRIUS SATELLITE AND MORE!

NOTICE: Automotive Data Solutions Inc. (ADS) recommends having this installation performed by a certified technician. Logos and trademarks used here in are the properties of their respective owners.
WELCOME

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

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

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

TABLE OF CONTENTS

| Installation Instructions | 3 |
| Wiring Diagram            | 5 |
| Vehicle Wire Reference Chart | 6 |
| Radio Wire Reference Chart | 7 |

NEED HELP?

1 866 427-2999

support@idatalink.com

maestro.idatalink.com/support

www.12voltdata.com/forum
INSTALLATION INSTRUCTIONS

STEP 1

- Unbox the aftermarket radio and locate its main harness.
- Cut the WHITE, GRAY, GREEN and PURPLE RCA tips. Connect every wire to the aftermarket radio main harness and match the wire colors.
- Connect every wire from the aftermarket radio main harness to the FO1 T-harness and match the wire colors. (Refer to Diagram)
- Remove the factory radio.

STEP 2

- Connect the factory harness to the FO1 T-harness. Connect only the available connectors. For example, if the factory harness has two connectors, connect only these two connectors.

STEP 3

- Access the OBDII connector located under the driver side dashboard.
- Connect the RED/BROWN wire of FO1 T-harness to WHITE/BLUE wire of the OBDII connector located at pin 6.
- Connect the YELLOW/BROWN wire of FO1 T-harness to the WHITE wire of the OBDII connector located at pin 14.

STEP 4

- Plug the aftermarket radio harnesses into the aftermarket radio.
- Plug the Data cable to the data port of the aftermarket radio.
- Insert the Audio cable into the iDatalink 3.5 mm audio jack of the aftermarket radio.
  NOTE: In Pioneer radios: plug Audio cable in auxiliary input of the radio.

STEP 5

- Secure the aftermarket radio in the dashboard housing.
- Connect all the harnesses to the Maestro RR module.

MODULE PROGRAMMING

- Open the vehicle driver door, insert the key into the ignition and turn it to the ACC position.
- The OEM Bluetooth is OFF by default. To activate it, go to the radio screen, scroll down to FORD SETUP, press SET, go to the OEM Bluetooth and press ON, then Press the BACK button (circular shaped arrow).
- Scroll down, press FINISH and wait. Press START, then press NEXT.
- Now follow the radio screen instructions while performing the following steps: Turn the key to the OFF position, then to the ACC position, turn it back to the OFF position, then to the ACC position.
  The module is now programmed and ready to be used. To access the new menus, press on FORD FEATURES.
- Test all the functionalities then reassemble the dashboard carefully.

- Insert the RCA connectors into the aftermarket radio.
  NOTES:
  The RCA connectors labeled SUB IN can be used to feed the subwoofer channel of the factory amplifier.
  The RCA connector labeled CENTER IN can be used to feed the center channel of the THX system or as a second subwoofer channel (if applicable).
  The RCA connectors labeled AUX IN can be used to connect the factory 3.5 mm audio jack, in vehicles that are NOT equipped with SYNC, to the auxiliary input of the aftermarket radio.
INSTALLATION INSTRUCTIONS

TROUBLESHOOTING TIPS:
• To reset the module back its factory settings, 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.
• For technical assistance call 1-866-427-2999 or e-mail “support@idatalink.com”. Visit us at “maestro.idatalink.com/support” and “www.12voltdata.com/forum/”
MAZDA TRIBUTE 2008-2011

WIRING DIAGRAM

STEP 1
CUT AND REMOVE THE SPEAKER WIRE JUNCTION CONNECTORS

STEP 2
FACTORY RADIO HARNESS

STEP 3
OBDII CONNECTOR

STEP 4
CONNECT TO AFTERMARKET RADIO

STEP 5
MAESTRO RR MODULE

WIRING DIAGRAM

NOTE: PIN SIDE VIEW.
CONNECT TO TWISTED WIRES BEHIND CONNECTOR.
# VEHICLE WIRE REFERENCE CHART

<table>
<thead>
<tr>
<th>Wire Description</th>
<th>Connector Name</th>
<th>Connector Color</th>
<th>Connector Type</th>
<th>Position</th>
<th>Wire Color</th>
<th>Polarity</th>
<th>Wire Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>Can2H</td>
<td>OBDII</td>
<td>-</td>
<td>16 pin</td>
<td>06</td>
<td>White/Blue</td>
<td>[DATA]</td>
<td>OBDII connector, under driver side dash</td>
</tr>
<tr>
<td>Can2L</td>
<td>OBDII</td>
<td>-</td>
<td>16 pin</td>
<td>14</td>
<td>White</td>
<td>[DATA]</td>
<td>OBDII connector, under driver side dash</td>
</tr>
</tbody>
</table>
## RADIO WIRE REFERENCE CHART

<table>
<thead>
<tr>
<th>Wire Description</th>
<th>Polarity</th>
<th>Wire Color on Maestro T-Harness</th>
<th>Wire Color on Alpine cable</th>
<th>Wire Color on Kenwood cable</th>
<th>Wire Color on Pioneer cable</th>
</tr>
</thead>
<tbody>
<tr>
<td>Illumination</td>
<td>(+)</td>
<td>Orange</td>
<td>N/A</td>
<td>Orange/White</td>
<td>Orange/White</td>
</tr>
<tr>
<td>Reverse Light</td>
<td>(+)</td>
<td>Purple/White</td>
<td>Orange/White</td>
<td>Purple/White</td>
<td>Purple/White</td>
</tr>
<tr>
<td>E-Brake</td>
<td>(-)</td>
<td>Lt Green</td>
<td>Yellow/Blue</td>
<td>Lt Green</td>
<td>Lt Green</td>
</tr>
<tr>
<td>Foot Brake</td>
<td>(+)</td>
<td>Yellow/Black</td>
<td>Yellow/Black</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>VSS (vehicle speed sensor)</td>
<td>[DATA]</td>
<td>Pink</td>
<td>Green/White</td>
<td>N/A</td>
<td>Pink</td>
</tr>
</tbody>
</table>

- **Illumination (+)**: Orange on Maestro, N/A on Alpine, Orange/White on Kenwood, Orange/White on Pioneer.
- **Reverse Light (+)**: Purple/White on Maestro, Orange/White on Alpine, Purple/White on Kenwood, Purple/White on Pioneer.
- **E-Brake (-)**: Lt Green on Maestro, Yellow/Blue on Alpine, Lt Green on Kenwood, Lt Green on Pioneer.
- **Foot Brake (+)**: Yellow/Black on Maestro, Yellow/Black on Alpine, N/A on Kenwood, N/A on Pioneer.
- **VSS (vehicle speed sensor) [DATA]**: Pink on Maestro, Green/White on Alpine, N/A on Kenwood, Pink on Pioneer.
INSTALL GUIDE

MERCURY MARINER
2008-2011

RETAINS STEERING WHEEL CONTROLS, SYNC VOICE COMMANDS, SYNC BLUETOOTH, SIRIUS SATELLITE AND MORE!

PRODUCTS REQUIRED
- iDatalink Maestro RR Radio Replacement Interface
- iDatalink Maestro F01 Installation Harness

OPTIONAL ACCESSORIES
- None

PROGRAMMED Firmware
- ADS-RR(SR)-FOR01-DS2

NOTICE: Automotive Data Solutions Inc. (ADS) recommends having this installation performed by a certified technician. Logos and trademarks used here in are the properties of their respective owners.
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

support@idatalink.com

maestro.idatalink.com/support

www.12voltdata.com/forum

TABLE OF CONTENTS

Installation Instructions 3
Wiring Diagram 5
Vehicle Wire Reference Chart 6
Radio Wire Reference Chart 7
INSTALLATION INSTRUCTIONS

STEP 1
- Unbox the aftermarket radio and locate its main harness.
- Cut the WHITE, GRAY, GREEN and PURPLE RCA tips. Connect every wire to the aftermarket radio main harness and match the wire colors.
- Connect every wire from the aftermarket radio main harness to the FO1 T-harness and match the wire colors. (Refer to Diagram)

STEP 2
(Required for vehicles equipped with SYNC, without factory navigation system; refer to Vehicle Wire Chart)
- Disassemble the dashboard carefully and remove the factory radio from its housing without disconnecting it.
- See the WIRE CHART for vehicle wire color and location.
- Use a multimeter to test the SWI 2 wire. Connect the BLACK test probe to ground (-) and connect the RED test probe to the wire SWI 2 wire. Have the ignition and the radio ON. If the SWI 2 wire is connected, the multimeter will display approximately 5 volts. This value will drop upon pressing the steering wheel voice, phone or OK button.
- Cut the SWI 2 INPUT wire.
- Connect the PINK/RED wire of FO1 T-harness to the SWI 2 INPUT wire going to the steering wheel. Insulate the wire side going to the SYNC module and plug the SYNC harness into the SYNC module.

STEP 3
- Connect the factory harness to the FO1 T-harness. Connect only the available connectors. For example, if the factory harness has two connectors, connect only these two connectors.

STEP 4
- Access the OBDII connector located under the driver side dashboard.
- Connect the RED/BROWN wire of FO1 T-harness to WHITE/BLUE wire of the OBDII connector located at pin 6.
- Connect the YELLOW/BROWN wire of FO1 T-harness to the WHITE wire of the OBDII connector located at pin 14.

STEP 5
- Plug the aftermarket radio harnesses into the aftermarket radio.
- Plug the Data cable to the data port of the aftermarket radio.
- Insert the Audio cable into the iDatalink 3.5 mm audio jack of the aftermarket radio.
  NOTE:
  In Pioneer radios: plug Audio cable in auxiliary input of the radio.
- Insert the RCA connectors into the aftermarket radio.
  NOTES:
The RCA connectors labeled SUB IN can be used to feed the subwoofer channel of the factory amplifier.
The RCA connector labeled CENTER IN can be used to feed the center channel of the THX system or as a second subwoofer channel (if applicable).
The RCA connectors labeled AUX IN can be used to connect the factory 3.5 mm audio jack, in vehicles that are NOT equipped with SYNC, to the auxiliary input of the aftermarket radio.

STEP 6
- Secure the aftermarket radio in the dashboard housing.
- Connect all the harnesses to the Maestro RR module.

MODULE PROGRAMMING
- Open the vehicle driver door, insert the key into the ignition and turn it to the ACC position.
- The OEM Bluetooth is OFF by default. To activate it, go to the radio screen, scroll down to FORD SETUP, press SET, go to the OEM Bluetooth and press ON, then Press the BACK button (circular shaped arrow).
- Scroll down, press FINISH and wait. Press START, then press NEXT.
- Now follow the radio screen instructions while performing the following steps: Turn the key to the OFF position, then to the ACC position, turn it back to the OFF position, then to the ACC position.
  The module is now programmed and ready to be used. To access the new menus, press on FORD FEATURES.
- Test all the functionalities then reassemble the dashboard carefully.
INSTALLATION INSTRUCTIONS

TROUBLESHOOTING TIPS:

• To reset the module back its factory settings, 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.
• For technical assistance call 1-866-427-2999 or e-mail “support@idatalink.com”. Visit us at “maestro.idatalink.com/support” and “www.12voltdata.com/forum/”
**STEP 1**

CUT AND REMOVE THE SPEAKER WIRE JUNCTION CONNECTORS

- 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 (+)
- BLACK - GROUND
- RED - ACCESSORY (+)
- YELLOW - 12V (+)
- ORANGE - ILLUMINATION (+)
- PURPLE/WHITE - REVERSE LIGHT (+)
- LT GREEN - E-BRAKE (-)
- PINK - VEHICLE SPEED
- YELLOW/BLACK - FOOT BRAKE
- BROWN (NOT CONNECTED)

**STEP 2**

PINK/RED - SW1 (-) INPUT

REFER TO WIRE CHART FOR WIRE LOCATION

**STEP 3**

FACTORY RADIO HARNESS

**STEP 4**

OBDII CONNECTOR

- RED/BROWN - CAN2H
- WHITE/BLUE
- YELLOW/BROWN - CAN2L

NOTE: PIN SIDE VIEW. CONNECT TO TWISTED WIRES BEHIND CONNECTOR.

**STEP 5**

CONNECT TO AFTERMARKET RADIO

**STEP 6**

MAESTRO RR MODULE

- REFERENCE COLORS
- ALL TRIGGER WIRE CONNECT TO TWISTED WIRES BEHIND CONNECTOR
# VEHICLE WIRE REFERENCE CHART

<table>
<thead>
<tr>
<th>Wire Description</th>
<th>Connector Name</th>
<th>Connector Color</th>
<th>Connector Type</th>
<th>Position</th>
<th>Wire Color</th>
<th>Polarity</th>
<th>Wire Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>Can2H</td>
<td>OBDII</td>
<td>-</td>
<td>16 pin</td>
<td>06</td>
<td>White/Blue</td>
<td>[DATA]</td>
<td>OBDII connector, under driver side dash</td>
</tr>
<tr>
<td>Can2L</td>
<td>OBDII</td>
<td>-</td>
<td>16 pin</td>
<td>14</td>
<td>White</td>
<td>[DATA]</td>
<td>OBDII connector, under driver side dash</td>
</tr>
<tr>
<td>SWI 2</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>Blue/Orange</td>
<td>[MUX]</td>
<td>Junction connector, behind the radio to the right.</td>
</tr>
</tbody>
</table>

SWI 2 connection is required only if vehicle is equipped with Sync.
## RADIO WIRE REFERENCE CHART

<table>
<thead>
<tr>
<th>Wire Description</th>
<th>Polarity</th>
<th>Wire Color on Maestro T-Harness</th>
<th>Wire Color on Alpine cable</th>
<th>Wire Color on Kenwood cable</th>
<th>Wire Color on Pioneer cable</th>
</tr>
</thead>
<tbody>
<tr>
<td>Illumination</td>
<td>(+)</td>
<td>Orange</td>
<td>N/A</td>
<td>Orange/White</td>
<td>Orange/White</td>
</tr>
<tr>
<td>Reverse Light</td>
<td>(+)</td>
<td>Purple/White</td>
<td>Orange/White</td>
<td>Purple/White</td>
<td>Purple/White</td>
</tr>
<tr>
<td>E-Brake</td>
<td>(-)</td>
<td>Lt Green</td>
<td>Yellow/Blue</td>
<td>Lt Green</td>
<td>Lt Green</td>
</tr>
<tr>
<td>Foot Brake</td>
<td>(+)</td>
<td>Yellow/Black</td>
<td>Yellow/Black</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>VSS (vehicle speed sensor)</td>
<td>[DATA]</td>
<td>Pink</td>
<td>Green/White</td>
<td>N/A</td>
<td>Pink</td>
</tr>
</tbody>
</table>
## INSTALL GUIDE

**MERCURY MILAN 2006-2011**

RETAINS STEERING WHEEL CONTROLS, SYNC VOICE COMMANDS, SYNC BLUETOOTH, SIRIUS SATELLITE AND MORE!

### PRODUCTS REQUIRED
- iDatalink Maestro RR Radio Replacement Interface
- iDatalink Maestro F01 Installation Harness

### OPTIONAL ACCESSORIES
- None

### PROGRAMMED FIRMWARE
- ADS-RR(SR)-FOR01-DS2

---

NOTICE: Automotive Data Solutions Inc. (ADS) recommends having this installation performed by a certified technician. Logos and trademarks used here in are the properties of their respective owners.
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

support@idatalink.com

maestro.idatalink.com/support

www.12voltdata.com/forum

TABLE OF CONTENTS

<table>
<thead>
<tr>
<th>Section</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Installation Instructions</td>
<td>3</td>
</tr>
<tr>
<td>Wiring Diagram</td>
<td>5</td>
</tr>
<tr>
<td>Vehicle Wire Reference Chart</td>
<td>6</td>
</tr>
<tr>
<td>Radio Wire Reference Chart</td>
<td>7</td>
</tr>
</tbody>
</table>
INSTALLATION INSTRUCTIONS

STEP 1
- Unbox the aftermarket radio and locate its main harness.
- Cut the WHITE, GRAY, GREEN and PURPLE RCA tips. Connect every wire to the aftermarket radio main harness and match the wire colors.
- Connect every wire from the aftermarket radio main harness to the FO1 T-harness and match the wire colors. (Refer to Diagram)

STEP 2
[Required for vehicles equipped with SYNC, without factory navigation system; refer to Vehicle Wire Chart]
- Disassemble the dashboard carefully and remove the factory radio from its housing without disconnecting it.
- See the WIRE CHART for vehicle wire color and location.
- Use a multimeter to test the SWI 2 wire. Connect the BLACK test probe to ground (-) and connect the RED test probe to the wire SWI 2 wire. Have the ignition and the radio ON. If the SWI 2 wire is connected, the multimeter will display approximately 5 volts. This value will drop upon pressing the steering wheel voice, phone or OK button.
- Cut the SWI 2 INPUT wire.
- Connect the PINK/RED wire of FO1 T-harness to the SWI 2 INPUT wire going to the steering wheel. Insulate the wire side going to the SYNC module and plug the SYNC harness into the SYNC module.

STEP 3
- Connect the factory harness to the FO1 T-harness. Connect only the available connectors. For example, if the factory harness has two connectors, connect only these two connectors.

STEP 4
- Access the OBDII connector located under the driver side dashboard.
- Connect the RED/BROWN wire of FO1 T-harness to WHITE/BLUE wire of the OBDII connector located at pin 6.
- Connect the YELLOW/BROWN wire of FO1 T-harness to the WHITE wire of the OBDII connector located at pin 14.

STEP 5
- Plug the aftermarket radio harnesses into the aftermarket radio.
- Plug the Data cable to the data port of the aftermarket radio.
- Insert the Audio cable into the iDatalink 3.5 mm audio jack of the aftermarket radio.
NOTE:
In Pioneer radios: plug Audio cable in auxiliary input of the radio.
- Insert the RCA connectors into the aftermarket radio.
NOTES:
The RCA connectors labeled SUB IN can be used to feed the subwoofer channel of the factory amplifier.
The RCA connector labeled CENTER IN can be used to feed the center channel of the THX system or as a second subwoofer channel (if applicable).
The RCA connectors labeled AUX IN can be used to connect the factory 3.5 mm audio jack, in vehicles that are NOT equipped with SYNC, to the auxiliary input of the aftermarket radio.

STEP 6
- Secure the aftermarket radio in the dashboard housing.
- Connect all the harnesses to the Maestro RR module.

MODULE PROGRAMMING
- Open the vehicle driver door, insert the key into the ignition and turn it to the ACC position.
- The OEM Bluetooth is OFF by default. To activate it, go to the radio screen, scroll down to FORD SETUP, press SET, go to the OEM Bluetooth and press ON, then Press the BACK button (circular shaped arrow).
- Scroll down, press FINISH and wait. Press START, then press NEXT.
- Now follow the radio screen instructions while performing the following steps: Turn the key to the OFF position, then to the ACC position, turn it back to the OFF position, then to the ACC position.
The module is now programmed and ready to be used. To access the new menus, press on FORD FEATURES.
- Test all the functionalities then reassemble the dashboard carefully.
INSTALLATION INSTRUCTIONS

TROUBLESHOOTING TIPS:

• To reset the module back its factory settings, 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.

• For technical assistance call 1-866-427-2999 or e-mail “support@idatalink.com”. Visit us at “maestro.idatalink.com/support” and “www.12voltdata.com/forum”
## WIRING DIAGRAM

### STEP 1

CUT AND REMOVE THE SPEAKER WIRE JUNCTION CONNECTORS

### STEP 2

PINK/RED - SWI 2 (-) INPUT

Refer to Wire Chart for Wire Location

### STEP 3

FACTORY RADIO HARNESS

### STEP 4

OBDII CONNECTOR

- RED/BROWN - CAN2H
- WHITE/BLUE
- YELLOW/BROWN - CAN2L

**Note:** Pin Side View. Connect to Twisted Wires Behind Connector.

### STEP 5

CONNECT TO AFTERMARKET RADIO

### STEP 6

MAESTRO RR MODULE

- A
- B
- C
- D
- E
- F
- G
- H

**Connect Aux In Only If You Don’t Have Sync**

---

**Connect Aux In**

**Connect Data Cable**

**Connect Audio Cable**

**Main Harness**

**Data Cable**

**Audio Cable**

**Connect to Aftermarket Radio**

**Sub In**

**Center In**

**AUX In**

**RCA Cables**

**Wires from Vehicle**

**FO1 T-Harness**

**Factory Radio Harness**

**Sync Harness**

**Sync Module Side**

**Steering Wheel Side**

**Insulate Wire**

**Sync Wire Chart**

**See Radio Wire Reference**

**Reference Chart**

**Vehicle Speed**

**E-BRAKE (-)**

**CMP TURN ON (+)**

**CAN2H**

**CAN2L**

**Harness**

**Cable**

**Audio Cable**

**Data Cable**

**Wire Colors**

**Wire Locations**

**Wiring Diagram**

**Picture of Diagram**
## VEHICLE WIRE REFERENCE CHART

<table>
<thead>
<tr>
<th>Wire Description</th>
<th>Connector Name</th>
<th>Connector Color</th>
<th>Connector Type</th>
<th>Position</th>
<th>Wire Color</th>
<th>Polarity</th>
<th>Wire Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>Can2H</td>
<td>OBDII</td>
<td>-</td>
<td>16 pin</td>
<td>06</td>
<td>White/Blue</td>
<td>[DATA]</td>
<td>OBDII connector, under driver side dash</td>
</tr>
<tr>
<td>Can2L</td>
<td>OBDII</td>
<td>-</td>
<td>16 pin</td>
<td>14</td>
<td>White</td>
<td>[DATA]</td>
<td>OBDII connector, under driver side dash</td>
</tr>
<tr>
<td>SWI 2</td>
<td></td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>Blue/Orange</td>
<td>[MUX]</td>
<td>Center console, right side, in front of the arm rest.</td>
</tr>
</tbody>
</table>

SWI 2 connection is required only if vehicle is equipped with Sync.
# RADIO WIRE REFERENCE CHART

<table>
<thead>
<tr>
<th>Wire Description</th>
<th>Polarity</th>
<th>Wire Color on Maestro T-Harness</th>
<th>Wire Color on Alpine cable</th>
<th>Wire Color on Kenwood cable</th>
<th>Wire Color on Pioneer cable</th>
</tr>
</thead>
<tbody>
<tr>
<td>Illumination</td>
<td>(+)</td>
<td>Orange</td>
<td>N/A</td>
<td>Orange/White</td>
<td>Orange/White</td>
</tr>
<tr>
<td>Reverse Light</td>
<td>(+)</td>
<td>Purple/White</td>
<td>Orange/White</td>
<td>Purple/White</td>
<td>Purple/White</td>
</tr>
<tr>
<td>E-Brake</td>
<td>(-)</td>
<td>Lt Green</td>
<td>Yellow/Blue</td>
<td>Lt Green</td>
<td>Lt Green</td>
</tr>
<tr>
<td>Foot Brake</td>
<td>(+)</td>
<td>Yellow/Black</td>
<td>Yellow/Black</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>VSS [vehicle speed sensor]</td>
<td>[DATA]</td>
<td>Pink</td>
<td>Green/White</td>
<td>N/A</td>
<td>Pink</td>
</tr>
</tbody>
</table>
INSTALL GUIDE

MERCURY MONTEGO
2005-2007

RETAINS STEERING WHEEL CONTROLS SYNC VOICE COMMANDS, SYNC BLUETOOTH, SIRIUS SATELLITE AND MORE!

PRODUCTS REQUIRED
iDatalink Maestro RR Radio Replacement Interface
iDatalink Maestro F01 Installation Harness

OPTIONAL ACCESSORIES
None

PROGRAMMED Firmware
ADS-RR(SR)-FOR01-DS2

NOTICE: Automotive Data Solutions Inc. (ADS) recommends having this installation performed by a certified technician. Logos and trademarks used here in are the properties of their respective owners.
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

support@idatalink.com

maestro.idatalink.com/support

www.12voltdata.com/forum

<table>
<thead>
<tr>
<th>TABLE OF CONTENTS</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Installation Instructions</td>
<td>3</td>
</tr>
<tr>
<td>Wiring Diagram</td>
<td>5</td>
</tr>
<tr>
<td>Vehicle Wire Reference Chart</td>
<td>6</td>
</tr>
<tr>
<td>Radio Wire Reference Chart</td>
<td>7</td>
</tr>
</tbody>
</table>
INSTALLATION INSTRUCTIONS

STEP 1
- Unbox the aftermarket radio and locate its main harness.
- Cut the WHITE, GRAY, GREEN and PURPLE RCA tips. Connect every wire to the aftermarket radio main harness and match the wire colors.
- Connect every wire from the aftermarket radio main harness to the FO1 T-harness and match the wire colors. (Refer to Diagram)
- Remove the factory radio.

STEP 2
- Connect the factory harness to the FO1 T-harness. Connect only the available connectors. For example, if the factory harness has two connectors, connect only these two connectors.

STEP 3
- Access the OBDII connector located under the driver side dashboard.
- Connect the RED/BROWN wire of FO1 T-harness to WHITE/BLUE wire of the OBDII connector located at pin 6.
- Connect the YELLOW/BROWN wire of FO1 T-harness to the WHITE wire of the OBDII connector located at pin 14.

NOTE:

STEP 4
- Plug the aftermarket radio harnesses into the aftermarket radio.
- Plug the Data cable to the data port of the aftermarket radio.
- Insert the Audio cable into the iDatalink 3.5 mm audio jack of the aftermarket radio.

NOTE:
In Pioneer radios: plug Audio cable in auxiliary input of the radio.

STEP 5
- Secure the aftermarket radio in the dashboard housing.
- Connect all the harnesses to the Maestro RR module.

MODULE PROGRAMMING
- Open the vehicle driver door, insert the key into the ignition and turn it to the ACC position.
- The OEM Bluetooth is OFF by default. To activate it, go to the radio screen, scroll down to FORD SETUP, press SET, go to the OEM Bluetooth and press ON, then Press the BACK button (circular shaped arrow).
- Scroll down, press FINISH and wait. Press START, then press NEXT.
- Now follow the radio screen instructions while performing the following steps: Turn the key to the OFF position, then to the ACC position, turn it back to the OFF position, then to the ACC position.

The module is now programmed and ready to be used. To access the new menus, press on FORD FEATURES.
- Test all the functionalities then reassemble the dashboard carefully.

- Insert the RCA connectors into the aftermarket radio.

NOTES:
The RCA connectors labeled SUB IN can be used to feed the subwoofer channel of the factory amplifier.
The RCA connector labeled CENTER IN can be used to feed the center channel of the THX system or as a second subwoofer channel (if applicable).
The RCA connectors labeled AUX IN can be used to connect the factory 3.5 mm audio jack, in vehicles that are NOT equipped with SYNC, to the auxiliary input of the aftermarket radio.
INSTALLATION INSTRUCTIONS

TROUBLESHOOTING TIPS:

• To reset the module back its factory settings, 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.

• For technical assistance call 1-866-427-2999 or e-mail “support@idatalink.com”. Visit us at “maestro.idatalink.com/support” and “www.12voltdata.com/forum/”
WIRING DIAGRAM

STEP 1
CUT AND REMOVE THE SPEAKER WIRE JUNCTION CONNECTORS

STEP 4
CONNECT TO AFTERMARKET RADIO

STEP 2
FACTORY RADIO HARNESS

STEP 3
OBDII CONNECTOR

STEP 5
MAESTRO RR MODULE

NOTE: PIN SIDE VIEW
CONNECT TO TWISTED WIRES BEHIND CONNECTOR.

WHITE - LF SPEAKER (+)
WHITE/BLACK - LF SPEAKER (-)
GRAY/BLACK - RF SPEAKER (+)
GRAY - RF SPEAKER (-)
GREEN - LR SPEAKER (+)
GREEN/BLACK - LR SPEAKER (-)
PURPLE - RR SPEAKER (+)
PURPLE/BLACK - RR SPEAKER (-)
BLUE/WHITE - AMP TURN ON (+)
BLACK - GROUND
RED - ACCESSORY (+)
YELLOW - 12V (+)
ORANGE - ILLUMINATION (+)
PURPLE/WHITE - REVERSE LIGHT (+)
LT GREEN - E-BRAKE (-)
PINK - VEHICLE SPEED
YELLOW/BROWN - FOOT BRAKE
BROWN (NOT CONNECTED)

WHITE/BLUE
WHITE/BLUE
WHITE
WHITE
RED/BROWN - CAN2H
YELLOW/BROWN - CAN2L

NOTE: PIN SIDE VIEW
CONNECT TO TWISTED WIRES BEHIND CONNECTOR.
# VEHICLE WIRE REFERENCE CHART

<table>
<thead>
<tr>
<th>Wire Description</th>
<th>Connector Name</th>
<th>Connector Color</th>
<th>Connector Type</th>
<th>Position</th>
<th>Wire Color</th>
<th>Polarity</th>
<th>Wire Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>Can2H</td>
<td>OBDII</td>
<td>-</td>
<td>16 pin</td>
<td>06</td>
<td>White/Blue</td>
<td>[DATA]</td>
<td>OBDII connector, under driver side dash</td>
</tr>
<tr>
<td>Can2L</td>
<td>OBDII</td>
<td>-</td>
<td>16 pin</td>
<td>14</td>
<td>White</td>
<td>[DATA]</td>
<td>OBDII connector, under driver side dash</td>
</tr>
</tbody>
</table>
# RADIO WIRE REFERENCE CHART

<table>
<thead>
<tr>
<th>Wire Description</th>
<th>Polarity</th>
<th>Wire Color on Maestro T-Harness</th>
<th>Wire Color on Alpine cable</th>
<th>Wire Color on Kenwood cable</th>
<th>Wire Color on Pioneer cable</th>
</tr>
</thead>
<tbody>
<tr>
<td>Illumination (+)</td>
<td></td>
<td>Orange</td>
<td>N/A</td>
<td>Orange/White</td>
<td>Orange/White</td>
</tr>
<tr>
<td>Reverse Light (+)</td>
<td></td>
<td>Purple/White</td>
<td>Orange/White</td>
<td>Purple/White</td>
<td>Purple/White</td>
</tr>
<tr>
<td>E-Brake (-)</td>
<td></td>
<td>Lt Green</td>
<td>Yellow/Blue</td>
<td>Lt Green</td>
<td>Lt Green</td>
</tr>
<tr>
<td>Foot Brake (+)</td>
<td></td>
<td>Yellow/Black</td>
<td>Yellow/Black</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>VSS [vehicle speed sensor]</td>
<td>[DATA]</td>
<td>Pink</td>
<td>Green/White</td>
<td>N/A</td>
<td>Pink</td>
</tr>
</tbody>
</table>
INSTALL GUIDE
MERCURY MOUNTAINEER
2006-2010

RETAINS STEERING WHEEL CONTROLS, SYNC VOICE COMMANDS, SYNC BLUETOOTH, SIRIUS SATELLITE AND MORE!

NOTICE: Automotive Data Solutions Inc. (ADS) recommends having this installation performed by a certified technician. Logos and trademarks used here in are the properties of their respective owners.
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.

WELCOME

NEED HELP?

1 866 427-2999

support@idatalink.com

maestro.idatalink.com/support

www.12voltdata.com/forum

TABLE OF CONTENTS

<table>
<thead>
<tr>
<th>Section</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Installation Instructions</td>
<td>3</td>
</tr>
<tr>
<td>Wiring Diagram</td>
<td>5</td>
</tr>
<tr>
<td>Vehicle Wire Reference Chart</td>
<td>6</td>
</tr>
<tr>
<td>Radio Wire Reference Chart</td>
<td>7</td>
</tr>
</tbody>
</table>
INSTALLATION INSTRUCTIONS

**STEP 1**
- Unbox the aftermarket radio and locate its main harness.
- Cut the WHITE, GRAY, GREEN and PURPLE RCA tips. Connect every wire to the aftermarket radio main harness and match the wire colors.
- Connect every wire from the aftermarket radio main harness to the FO1 T-harness and match the wire colors. [Refer to Diagram]

**STEP 2**
(Required for vehicles equipped with SYNC, without factory navigation system; refer to Vehicle Wire Chart)
- Disassemble the dashboard carefully and remove the factory radio from its housing without disconnecting it.
- See the WIRE CHART for vehicle wire color and location.
- Use a multimeter to test the SWI 2 wire. Connect the BLACK test probe to ground (-) and connect the RED test probe to the wire SWI 2 wire. Have the ignition and the radio ON. If the SWI 2 wire is connected, the multimeter will display approximately 5 volts. This value will drop upon pressing the steering wheel voice, phone or OK button.
- Cut the SWI 2 INPUT wire.
- Connect the PINK/RED wire of FO1 T-harness to the SWI 2 INPUT wire going to the steering wheel. Insulate the wire side going to the SYNC module and plug the SYNC harness into the SYNC module.

**STEP 3**
- Connect the factory harness to the FO1 T-harness. Connect only the available connectors. For example, if the factory harness has two connectors, connect only these two connectors.

**STEP 4**
- Access the OBDII connector located under the driver side dashboard.
- Connect the RED/BROWN wire of FO1 T-harness to WHITE/BLUE wire of the OBDII connector located at pin 6.
- Connect the YELLOW/BROWN wire of FO1 T-harness to the WHITE wire of the OBDII connector located at pin 14.

**STEP 5**
- Plug the aftermarket radio harnesses into the aftermarket radio.
- Plug the Data cable to the data port of the aftermarket radio.
- Insert the Audio cable into the iDatalink 3.5 mm audio jack of the aftermarket radio.

**NOTE:**
In Pioneer radios: plug Audio cable in auxiliary input of the radio.
- Insert the RCA connectors into the aftermarket radio.

**MODULE PROGRAMMING**
- Open the vehicle driver door, insert the key into the ignition and turn it to the ACC position.
- The OEM Bluetooth is OFF by default. To activate it, go to the radio screen, scroll down to FORD SETUP, press SET, go to the OEM Bluetooth and press ON, then Press the BACK button [circular shaped arrow].
- Scroll down, press FINISH and wait. Press START, then press NEXT.
- Now follow the radio screen instructions while performing the following steps: Turn the key to the OFF position, then to the ACC position, turn it back to the OFF position, then to the ACC position.
- The module is now programmed and ready to be used. To access the new menus, press on FORD FEATURES.
- Test all the functionalities then reassemble the dashboard carefully.

**STEP 6**
- Secure the aftermarket radio in the dashboard housing.
- Connect all the harnesses to the Maestro RR module.
INSTALLATION INSTRUCTIONS

TROUBLESHOOTING TIPS:

• To reset the module back its factory settings, 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.

• For technical assistance call 1-866-427-2999 or e-mail “support@idatalink.com”. Visit us at “maestro.idatalink.com/support” and “www.12voltdata.com/forum/”
WIRING DIAGRAM

STEP 1
Cut and remove the speaker wire junction connectors.

STEP 2
Connect aux in only if you don’t have sync.

STEP 3
Refer to wire chart for wire location.

STEP 4
Wires from vehicle.

STEP 5
Connect to aftermarket radio.

STEP 6
Connect to twisted wires behind connector.

NOTE: Pin side view. Connect to twisted wires behind connector.

White - LF speaker (+)
White/Black - LF speaker (-)
Gray - RF speaker (+)
Gray/Black - RF speaker (-)
Purple - LR speaker (+)
Purple/Black - LR speaker (-)
Blue/White - Amp turn on (+)
Black - Ground
Red - Accessory (+)
Yellow - 12V (+)
Orange - Illumination (+)
Purple/White - Reverse light (+)
LTGreen - E-brake (-)
Pink - Vehicle speed
Yellow/Black - Foot brake
Brown (Not connected)

White/Blue - CAN2H
Yellow/Brown - CAN2L
Red/Brown - CAN2H
# VEHICLE WIRE REFERENCE CHART

<table>
<thead>
<tr>
<th>Wire Description</th>
<th>Connector Name</th>
<th>Connector Color</th>
<th>Connector Type</th>
<th>Position</th>
<th>Wire Color</th>
<th>Polarity</th>
<th>Wire Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>Can2H</td>
<td>OBDII</td>
<td>-</td>
<td>16 pin</td>
<td>06</td>
<td>White/Blue</td>
<td>[DATA]</td>
<td>OBDII connector, under driver side dash</td>
</tr>
<tr>
<td>Can2L</td>
<td>OBDII</td>
<td>-</td>
<td>16 pin</td>
<td>14</td>
<td>White</td>
<td>[DATA]</td>
<td>OBDII connector, under driver side dash</td>
</tr>
<tr>
<td>SWI 2</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>White/Brown</td>
<td>[MUX]</td>
<td>Center console, harness going to the back.</td>
</tr>
</tbody>
</table>

SWI 2 connection is required only if vehicle is equipped with Sync.
## RADIO WIRE REFERENCE CHART

<table>
<thead>
<tr>
<th>Wire Description</th>
<th>Polarity</th>
<th>Wire Color on Maestro T-Harness</th>
<th>Wire Color on Alpine cable</th>
<th>Wire Color on Kenwood cable</th>
<th>Wire Color on Pioneer cable</th>
</tr>
</thead>
<tbody>
<tr>
<td>Illumination</td>
<td>(+)</td>
<td>Orange</td>
<td>N/A</td>
<td>Orange/White</td>
<td>Orange/White</td>
</tr>
<tr>
<td>Reverse Light</td>
<td>(+)</td>
<td>Purple/White</td>
<td>Orange/White</td>
<td>Purple/White</td>
<td>Purple/White</td>
</tr>
<tr>
<td>E-Brake</td>
<td>(-)</td>
<td>Lt Green</td>
<td>Yellow/Blue</td>
<td>Lt Green</td>
<td>Lt Green</td>
</tr>
<tr>
<td>Foot Brake</td>
<td>(+)</td>
<td>Yellow/Black</td>
<td>Yellow/Black</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>VSS [vehicle speed sensor]</td>
<td>[DATA]</td>
<td>Pink</td>
<td>Green/White</td>
<td>N/A</td>
<td>Pink</td>
</tr>
</tbody>
</table>
INSTALL GUIDE
MERCURY SABLE
2008-2009

RETAINS STEERING WHEEL CONTROLS, SYNC VOICE COMMANDS, SYNC BLUETOOTH, SIRIUS SATELLITE AND MORE!

PRODUCTS REQUIRED
- iDatalink Maestro RR Radio Replacement Interface
- iDatalink Maestro FO1 Installation Harness

OPTIONAL ACCESSORIES
- None

PROGRAMMED Firmware
- ADS-RR(SR)-FOR01-DS2

NOTICE: Automotive Data Solutions Inc. (ADS) recommends having this installation performed by a certified technician. Logos and trademarks used here in are the properties of their respective owners.
WELCOME

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

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

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

TABLE OF CONTENTS

- Installation Instructions 3
- Wiring Diagram 5
- Vehicle Wire Reference Chart 6
- Radio Wire Reference Chart 7

NEED HELP?

1 866 427-2999
support@idatalink.com
maestro.idatalink.com/support
www.12voltdata.com/forum
INSTALLATION INSTRUCTIONS

STEP 1
- Unbox the aftermarket radio and locate its main harness.
- Cut the WHITE, GRAY, GREEN and PURPLE RCA tips. Connect every wire to the aftermarket radio main harness and match the wire colors.
- Connect every wire from the aftermarket radio main harness to the FO1 T-harness and match the wire colors. (Refer to Diagram)

STEP 2
- (Required for vehicles equipped with SYNC, without factory navigation system; refer to Vehicle Wire Chart)
  - Disassemble the dashboard carefully and remove the factory radio from its housing without disconnecting it.
  - See the WIRE CHART for vehicle wire color and location.
  - Use a multimeter to test the SWI 2 wire. Connect the BLACK test probe to ground (-) and connect the RED test probe to the wire SWI 2 wire. Have the ignition and the radio ON. If the SWI 2 wire is connected, the multimeter will display approximately 5 volts. This value will drop upon pressing the steering wheel voice, phone or OK button.
  - Cut the SWI 2 INPUT wire.
  - Connect the PINK/RED wire of FO1 T-harness to the SWI 2 INPUT wire going to the steering wheel. Insulate the wire side going to the SYNC module and plug the SYNC harness into the SYNC module.

STEP 3
- Connect the factory harness to the FO1 T-harness. Connect only the available connectors. For example, if the factory harness has two connectors, connect only these two connectors.

STEP 4
- Access the OBDII connector located under the driver side dashboard.
- Connect the RED/BROWN wire of FO1 T-harness to WHITE/BLUE wire of the OBDII connector located at pin 6.
- Connect the YELLOW/BROWN wire of FO1 T-harness to the WHITE wire of the OBDII connector located at pin 14.

STEP 5
- Plug the aftermarket radio harnesses into the aftermarket radio.
- Plug the Data cable to the data port of the aftermarket radio.
- Insert the Audio cable into the iDatalink 3.5 mm audio jack of the aftermarket radio.
  NOTE:
  In Pioneer radios: plug Audio cable in auxiliary input of the radio.
- Insert the RCA connectors into the aftermarket radio.
  NOTES:
  The RCA connectors labeled SUB IN can be used to feed the subwoofer channel of the factory amplifier.
  The RCA connector labeled CENTER IN can be used to feed the center channel of the THX system or as a second subwoofer channel (if applicable).
  The RCA connectors labeled AUX IN can be used to connect the factory 3.5 mm audio jack, in vehicles that are NOT equipped with SYNC, to the auxiliary input of the aftermarket radio.

STEP 6
- Secure the aftermarket radio in the dashboard housing.
- Connect all the harnesses to the Maestro RR module.

MODULE PROGRAMMING
- Open the vehicle driver door, insert the key into the ignition and turn it to the ACC position.
- The OEM Bluetooth is OFF by default. To activate it, go to the radio screen, scroll down to FORD SETUP, press SET, go to the OEM Bluetooth and press ON, then Press the BACK button (circular shaped arrow).
- Scroll down, press FINISH and wait. Press START, then press NEXT.
- Now follow the radio screen instructions while performing the following steps: Turn the key to the OFF position, then to the ACC position, turn it back to the OFF position, then to the ACC position.
- The module is now programmed and ready to be used. To access the new menus, press on FORD FEATURES.
- Test all the functionalities then reassemble the dashboard carefully.
INSTALLATION INSTRUCTIONS

TROUBLESHOOTING TIPS:

• To reset the module back its factory settings, 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.

• For technical assistance call 1-866-427-2999 or e-mail “support@idatalink.com”. Visit us at “maestro.idatalink.com/support” and “www.12voltdata.com/forum/”
WIRING DIAGRAM

STEP 1
CUT AND REMOVE THE SPEAKER WIRE JUNCTION CONNECTORS

- 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 (+)
- BLACK - GROUND
- RED - ACCESSORY (+)
- YELLOW - 12V (+)
- ORANGE - ILLUMINATION (+)
- PURPLE/WHITE - REVERSE LIGHT (+)
- LT GREEN - E-BRAKE (-)
- PINK - VEHICLE SPEED
- YELLOW/BLACK - FOOT BRAKE
- BROWN (NOT CONNECTED)

STEP 2
PINK/RED - SW 2 (-) INPUT

STEP 3
FACTORY RADIO HARNESS

STEP 4
RED/BROWN - CAN H2
YELLOW/BROWN - CAN L2
WHITE/BLUE
WHITE

STEP 5
CONNECT TO AFTERMARKET RADIO

STEP 6
CONNECT AUX IN ONLY IF YOU DON’T HAVE SYNC

NOTE: PIN SIDE VIEW. CONNECT TO TWISTED WIRES BEHIND CONNECTOR.

WHITE/BLUE - CAN H2
WHITE - CAN L2

SEE RADIO WIRE COLORS
SEE RADIO WIRE COLORS
REVERSE LIGHT (+)
REVERSE LIGHT (+)
GROUND
GROUND
ACCESSORY (+)
ACCESSORY (+)
12V (+)
12V (+)
ILLUMINATION (+)
ILLUMINATION (+)
CUT AND REMOVE THE SPEAKER WIRE JUNCTION CONNECTORS

REF TO WIRE CHART FOR WIRE LOCATION

WIRING DIAGRAM
## VEHICLE WIRE REFERENCE CHART

<table>
<thead>
<tr>
<th>Wire Description</th>
<th>Connector Name</th>
<th>Connector Color</th>
<th>Connector Type</th>
<th>Position</th>
<th>Wire Color</th>
<th>Polarity</th>
<th>Wire Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>Can2H</td>
<td>OBDII</td>
<td>-</td>
<td>16 pin</td>
<td>06</td>
<td>White/Blue</td>
<td>[DATA]</td>
<td>OBDII connector, under driver side dash</td>
</tr>
<tr>
<td>Can2L</td>
<td>OBDII</td>
<td>-</td>
<td>16 pin</td>
<td>14</td>
<td>White</td>
<td>[DATA]</td>
<td>OBDII connector, under driver side dash</td>
</tr>
<tr>
<td>SWI 2</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>Gray/Blue</td>
<td>[MUX]</td>
<td>Center console, right side, harness going to the back.</td>
</tr>
</tbody>
</table>

SWI 2 connection is required only if vehicle is equipped with Sync.
## RADIO WIRE REFERENCE CHART

<table>
<thead>
<tr>
<th>Wire Description</th>
<th>Polarity</th>
<th>Wire Color on Maestro T-Harness</th>
<th>Wire Color on Alpine cable</th>
<th>Wire Color on Kenwood cable</th>
<th>Wire Color on Pioneer cable</th>
</tr>
</thead>
<tbody>
<tr>
<td>Illumination</td>
<td>(+)</td>
<td>Orange</td>
<td>N/A</td>
<td>Orange/White</td>
<td>Orange/White</td>
</tr>
<tr>
<td>Reverse Light</td>
<td>(+)</td>
<td>Purple/White</td>
<td>Orange/White</td>
<td>Purple/White</td>
<td>Purple/White</td>
</tr>
<tr>
<td>E-Brake</td>
<td>(-)</td>
<td>Lt Green</td>
<td>Yellow/Blue</td>
<td>Lt Green</td>
<td>Lt Green</td>
</tr>
<tr>
<td>Foot Brake</td>
<td>(+)</td>
<td>Yellow/Black</td>
<td>Yellow/Black</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>VSS [vehicle speed sensor]</td>
<td>[DATA]</td>
<td>Pink</td>
<td>Green/White</td>
<td>N/A</td>
<td>Pink</td>
</tr>
</tbody>
</table>