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.
OPTIONAL ACCESSORIES
None

PROGRAMMED FIRMWARE
ADS-RR(SR)-GMS03-DS

PRODUCTS REQUIRED
iDatalink Maestro RR Radio Replacement Interface
iDatalink Maestro GM3 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.

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<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

BEFORE INSTALLING

• Determine if the vehicle has a Bose amplifier. Look for badges on the radio, door panels, and dash that indicate that the vehicle has Bose.

If the vehicle DOES NOT have a factory amplifier:
complete the installation as shown in the wiring diagram without an amplifier.

If the vehicle DOES have a factory amplifier:
complete the installation as shown in the wiring diagram with an amplifier. The amplifier cannot be retained; it must be bypassed or replaced with an aftermarket amplifier. See the vehicle reference chart for wire colors; bypass instructions are not included.

• Remove the factory radio.

STEP 1

• Unbox the aftermarket radio and locate its main harness.
• Refer to the wiring diagram and connect the wires from aftermarket radio main harness to the GM3 T-harness and match the wire functions.

STEP 2

• If the vehicle is equipped with an OEM backup camera, connect the backup camera harness to the Human Machine Interface module harness, located at the bottom of the radio cavity. Note: The guide lines of the backup camera will not be retained.

STEP 3

• Connect the factory harness to the GM3 T-harness.

STEP 4

Plug the climate control portion of the GM3 T-harness into the climate controls.

STEP 5

• Plug the male BLACK 3 pin connector of your GM3 T-harness into the OBDII/SW control harness.

STEP 6

If the vehicle DOES have steering wheel controls:

• Remove steering column shroud.
• Locate the steering wheel control wire in the GM3 steering wheel harness. Cut the GREEN/BLACK wire and splice it into pin 9.
• Plug the steering wheel control T-harness into the harness at the steering wheel (steering wheel connector located at top of steering column).

STEP 7

• Plug the aftermarket radio harnesses into the aftermarket radio.
• Connect the backup camera RCA cable harness 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.

STEP 8

• Connect all the harnesses to the Maestro RR module then proceed test your installation.

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 without an Amplifier

**STEP 1**
- 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 - AMPL. TURN ON (+)
- BLACK - GROUND
- RED - ACCESSORY (+)
- ORANGE - ILLUMINATION (+)
- ORANGE/BLACK - REVERSE LIGHT (+)
- ORANGE/WHITE - REVERSE LIGHT (+)
- PURPLE/WHITE - REVERSE LIGHT (+)
- PINK - VEHICLE SPEED
- YELLOW/BLACK - FOOT BRAKE
- YELLOW/WHITE - FOG LIGHT
- GREEN - LR SPEAKER (+)
- GREEN/BLACK - LR SPEAKER (-)
- PURPLE/WHITE - REVERSE LIGHT (+)
- LTGREEN - E-BRAKE (-)
- YELLOW/BLACK - MIRROR LIGHT
- PINK - VEHICLE SPEED
- BLACK - GROUND
- RED - ACCESSORY (+)
- BLUE/WHITE - AMP. TURN ON (+)
- MAIN HARNESS
- RCA CABLES
- BACKUP CAM

**STEP 2**
- HUMAN MACHINE INTERFACE MODULE HARNESS
- BOTTOM OF RADIO CAVITY

**STEP 3**
- FACTORY RADIO HARNESS

**STEP 4**
- CLIMATE CONTROLS HARNESS

**STEP 5**
- OBDII CONNECTOR

**STEP 6**
- STEERING WHEEL HARNESS
- CUT GREEN/BLACK WIRE AND SPLICE IT TO PIN 9 WIRE

**STEP 7**
- CONNECT TO AFTERMARKET RADIO

**STEP 8**
- SPEAKER
- MAESTRO RR MODULE
**WIRING DIAGRAM with an Amplifier**

**STEP 1**
- 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 (+)
- Pink - Vehicle Speed
- Yellow/Black - Foot Brake
- Cut Green/Black Wire and Splice It to Pin 9 Wire

**STEP 2**
- Bottom of Radio Cavity

**STEP 3**
- Factory Radio Harness

**STEP 4**
- Climate Controls Harness

**STEP 5**
- OBDII Connector

**STEP 6**
- Steering Wheel Harness
  - Pin 9
  - Cut Green/Black Wire and Splice It to Pin 9 Wire

**STEP 7**
- Do Not Connect in Vehicle Equipped with Factory Amp. See Amplifier Bypass Information in Vehicle Wire Chart.

**STEP 8**
- Connect to Aftermarket Radio

**GM3 T-Harness**

**M-Benz E-Class 2015-2017**

**Chevrolet Colorado 2015-2017**
# 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>
## 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>Subwoofer</td>
<td></td>
<td></td>
<td>8 pin</td>
<td>01</td>
<td>DkBlue/Gray (+)</td>
<td></td>
<td>Amplifier, in dashboard, to the right of the glove box</td>
</tr>
<tr>
<td>Subwoofer</td>
<td></td>
<td></td>
<td>8 pin</td>
<td>05</td>
<td>Gray/Black (-)</td>
<td></td>
<td>Amplifier, in dashboard, to the right of the glove box</td>
</tr>
<tr>
<td>RF Speaker</td>
<td></td>
<td></td>
<td>8 pin</td>
<td>02</td>
<td>Yellow (+)</td>
<td></td>
<td>Amplifier, in dashboard, to the right of the glove box</td>
</tr>
<tr>
<td>RF Speaker</td>
<td></td>
<td></td>
<td>8 pin</td>
<td>06</td>
<td>Yellow/Black (-)</td>
<td></td>
<td>Amplifier, in dashboard, to the right of the glove box</td>
</tr>
<tr>
<td>LF Speaker</td>
<td></td>
<td></td>
<td>8 pin</td>
<td>03</td>
<td>DkBlue (+)</td>
<td></td>
<td>Amplifier, in dashboard, to the right of the glove box</td>
</tr>
<tr>
<td>LF Speaker</td>
<td></td>
<td></td>
<td>8 pin</td>
<td>07</td>
<td>Brown/DkBlue (-)</td>
<td></td>
<td>Amplifier, in dashboard, to the right of the glove box</td>
</tr>
<tr>
<td>RF Tweeter (if equipped)</td>
<td></td>
<td></td>
<td>16 pin</td>
<td>04</td>
<td>Brown/LtGreen (+)</td>
<td></td>
<td>Amplifier, in dashboard, to the right of the glove box</td>
</tr>
<tr>
<td>RF Tweeter (if equipped)</td>
<td></td>
<td></td>
<td>16 pin</td>
<td>12</td>
<td>Purple/Brown (-)</td>
<td></td>
<td>Amplifier, in dashboard, to the right of the glove box</td>
</tr>
<tr>
<td>LF Tweeter (if equipped)</td>
<td></td>
<td></td>
<td>16 pin</td>
<td>05</td>
<td>Yellow/DkBlue (+)</td>
<td></td>
<td>Amplifier, in dashboard, to the right of the glove box</td>
</tr>
<tr>
<td>LF Tweeter (if equipped)</td>
<td></td>
<td></td>
<td>16 pin</td>
<td>13</td>
<td>Yellow/Gray (-)</td>
<td></td>
<td>Amplifier, in dashboard, to the right of the glove box</td>
</tr>
<tr>
<td>RR Speaker</td>
<td></td>
<td></td>
<td>16 pin</td>
<td>06</td>
<td>White (+)</td>
<td></td>
<td>Amplifier, in dashboard, to the right of the glove box</td>
</tr>
<tr>
<td>RR Speaker</td>
<td></td>
<td></td>
<td>16 pin</td>
<td>14</td>
<td>DkBlue/Black (-)</td>
<td></td>
<td>Amplifier, in dashboard, to the right of the glove box</td>
</tr>
<tr>
<td>LR Speaker</td>
<td></td>
<td></td>
<td>16 pin</td>
<td>07</td>
<td>LtGreen (+)</td>
<td></td>
<td>Amplifier, in dashboard, to the right of the glove box</td>
</tr>
<tr>
<td>LR Speaker</td>
<td></td>
<td></td>
<td>16 pin</td>
<td>15</td>
<td>LtGreen/Black (-)</td>
<td></td>
<td>Amplifier, in dashboard, to the right of the glove box</td>
</tr>
</tbody>
</table>

### AMPLIFIER CONNECTORS (WIRE SIDE)

[Diagram of amplifier connectors]
INSTALL GUIDE
CHEVROLET SILVERADO 1500 WITH 4.2" AND 8" RADIOS
2014-2017
RETAINS STEERING WHEEL CONTROLS, ONSTAR, AND MORE!

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| Wiring Diagram with an Amplifier                  | 5 |
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- Unbox the aftermarket radio and locate its main harness.
- Refer to the wiring diagram and connect the wires from aftermarket radio main harness to the GM3 T-harness and match the wire functions.

STEP 2

- If the vehicle is equipped with an OEM backup camera, connect the backup camera harness to the Human Machine Interface module harness, located behind the glove box. Note: The guide lines of the backup camera will not be retained.

STEP 3

- Connect the factory harness to the GM3 T-harness.

STEP 4

Plug the climate control portion of the GM3 T-harness into the climate controls.

STEP 5

- Plug the male BLACK 3 pin connector of your GM3 T-harness into the OBDII/SW control harness.

STEP 6

- Plug the OBDII connector into the OBDII of the vehicle.

STEP 7

- Remove steering column shroud.
- Plug the steering wheel control T-harness into the harness at the steering wheel (steering wheel connector located at bottom of steering column).

STEP 8

- Plug the aftermarket radio harnesses into the aftermarket radio.
- Connect the backup camera RCA cable harness 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.

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.

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WIRING DIAGRAM without an Amplifier
WIRING DIAGRAM with an Amplifier

STEP 1
- 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 (+)
- LT GREEN - E-BRAKE (-)
- YELLOW/BLACK - FOOT BRAKE
- WHITE/BLACK - LF 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 (+)
- ORANGE - ILLUMINATION (+)
- PURPLE/WHITE - REVERSE LIGHT (+)
- LT GREEN - E-BRAKE (-)
- YELLOW/BLACK - FOOT BRAKE

DO NOT CONNECT IN VEHICLE
EQUIPPED WITH FACTORY AMP.
SEE AMPLIFIER BYPASS
INFORMATION IN VEHICLE
WIRE CHART.

STEP 7
- MAIN HARNESS
- CONNECT TO AFTERMARKET RADIO
- RCA CABLES
- BACKUP CAM
- WIRES FROM VEHICLE
- DATA CABLE
- AUDIO CABLE
- SPEAKER
- MAESTRO RR MODULE
- GM3 T-HARNESS
- STEERING WHEEL HARNESS
- FACTORY RADIO HARNESS
- CLIMATE CONTROLS HARNESS
- OBDII CONNECTOR
- HUMAN MACHINE INTERFACE MODULE HARNESS

STEP 2
- HUMAN MACHINE INTERFACE MODULE HARNESS
- BEHIND GLOVE BOX

STEP 3
- FACTORY RADIO HARNESS

STEP 4
- CLIMATE CONTROLS HARNESS

STEP 5
- OBDII CONNECTOR

STEP 6
- STEERING WHEEL HARNESS

WIRING DIAGRAM with an Amplifier

GM3 T-HARNESS
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<thead>
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<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>
## VEHICLE WIRE REFERENCE CHART

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<th>Connector Type</th>
<th>Position</th>
<th>Wire Color</th>
<th>Polarity</th>
<th>Wire Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>Subwoofer</td>
<td></td>
<td></td>
<td>8 pin</td>
<td>01</td>
<td>DkBlue/Gray</td>
<td>[+]</td>
<td>Amplifier, back wall of the cab, center of the wall</td>
</tr>
<tr>
<td>Subwoofer</td>
<td></td>
<td></td>
<td>8 pin</td>
<td>05</td>
<td>Gray/Black</td>
<td>[-]</td>
<td>Amplifier, back wall of the cab, center of the wall</td>
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<tr>
<td>RF Speaker</td>
<td></td>
<td></td>
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<td>02</td>
<td>Yellow</td>
<td>[+]</td>
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<tr>
<td>LF Speaker</td>
<td></td>
<td></td>
<td>8 pin</td>
<td>07</td>
<td>Brown/DkBlue</td>
<td>[-]</td>
<td>Amplifier, back wall of the cab, center of the wall</td>
</tr>
<tr>
<td>RF Tweeter (if equipped)</td>
<td></td>
<td></td>
<td>16 pin</td>
<td>04</td>
<td>Brown/LtGreen</td>
<td>[+]</td>
<td>Amplifier, back wall of the cab, center of the wall</td>
</tr>
<tr>
<td>RF Tweeter (if equipped)</td>
<td></td>
<td></td>
<td>16 pin</td>
<td>12</td>
<td>Purple/Brown</td>
<td>[-]</td>
<td>Amplifier, back wall of the cab, center of the wall</td>
</tr>
<tr>
<td>LF Tweeter (if equipped)</td>
<td></td>
<td></td>
<td>16 pin</td>
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<td>Yellow/Gray</td>
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<td>RR Speaker</td>
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<td>16 pin</td>
<td>06</td>
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<tr>
<td>RR Speaker</td>
<td></td>
<td></td>
<td>16 pin</td>
<td>14</td>
<td>DkBlue/Black</td>
<td>[-]</td>
<td>Amplifier, back wall of the cab, center of the wall</td>
</tr>
<tr>
<td>LR Speaker</td>
<td></td>
<td></td>
<td>16 pin</td>
<td>07</td>
<td>LtGreen</td>
<td>[+]</td>
<td>Amplifier, back wall of the cab, center of the wall</td>
</tr>
<tr>
<td>LR Speaker</td>
<td></td>
<td></td>
<td>16 pin</td>
<td>15</td>
<td>LtGreen/Black</td>
<td>[-]</td>
<td>Amplifier, back wall of the cab, center of the wall</td>
</tr>
</tbody>
</table>

### AMPLIFIER CONNECTORS (WIRE SIDE)
INSTALL GUIDE

CHEVROLET SILVERADO 2500 & 3500
WITH 4.2" AND 8" RADIOS
2015-2017

RETAINS STEERING WHEEL CONTROLS, ONSTAR, AND MORE!

PRODUCTS REQUIRED
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iDatalink Maestro GM3 Installation Harness

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ADS-RR(SR)-GMS03-DS

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NEED HELP?

1 866 427-2999

support@idatalink.com

maestro.idatalink.com/support

www.12voltdata.com/forum

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INSTALLATION INSTRUCTIONS

BEFORE INSTALLING

- Determine if the vehicle has a Bose amplifier. Look for badges on the radio, door panels, and dash that indicate that the vehicle has Bose.

If the vehicle DOES NOT have a factory amplifier:
complete the installation as shown in the wiring diagram without an amplifier.

If the vehicle DOES have a factory amplifier:
complete the installation as shown in the wiring diagram with an amplifier. The amplifier cannot be retained; it must be bypassed or replaced with an aftermarket amplifier. See the vehicle reference chart for wire colors; bypass instructions are not included.

- Remove the factory radio.

STEP 1

- Unbox the aftermarket radio and locate its main harness.
- Refer to the wiring diagram and connect the wires from aftermarket radio main harness to the GM3 T-harness and match the wire functions.

STEP 2

- If the vehicle is equipped with an OEM backup camera, connect the backup camera harness to the Human Machine Interface module harness, located behind the glove box. Note: The guide lines of the backup camera will not be retained.

STEP 3

- Connect the factory harness to the GM3 T-harness.

STEP 4

Plug the climate control portion of the GM3 T-harness into the climate controls.

STEP 5

- Plug the male BLACK 3 pin connector of your GM3 T-harness into the OBDII/SW control harness.

STEP 6

- Plug the OBDII connector into the OBDII of the vehicle.

STEP 7

- Remove steering column shroud.
- Plug the steering wheel control T-harness into the harness at the steering wheel (steering wheel connector located at bottom of steering column).

STEP 8

- Connect the aftermarket radio harnesses into the aftermarket radio.
- Connect the backup camera RCA cable harness 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.

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 without an Amplifier

**STEP 1**
- 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 (+)
- LIGHT GREEN - E-BRAKE (-)
- PINK - VEHICLE SPEED
- YELLOW/BLACK - FOOT BRAKE
- 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 (+)
- LIGHT GREEN - E-BRAKE (-)
- PINK - VEHICLE SPEED
- YELLOW/BLACK - FOOT BRAKE

**STEP 2**
HUMAN MACHINE INTERFACE MODULE HARNESS
BEHIND GLOVE BOX

**STEP 3**
FACTORY RADIO HARNESS

**STEP 4**
CLIMATE CONTROLS HARNESS

**STEP 5**
OBDII CONNECTOR

**STEP 6**
STEERING WHEEL HARNESS

**STEP 7**
MAIN HARNESS
CONNECT TO AFTERMARKET RADIO

**STEP 8**
SPEAKER
MAESTRO RR MODULE

**GM3 T-HARNESS**

**WiRES FROM VEHICLE**
DATA CABLE
AUDIO CABLE

**BACKUP CAM**
RCA CABLES

**WIRING DIAGRAM**

**Radio Wire 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 (+)
- LIGHT GREEN - E-BRAKE (-)
- PINK - VEHICLE SPEED
- YELLOW/BLACK - FOOT BRAKE

**See Radio Wire Reference Chart for Radio Wire Colors**

**WIRING DIAGRAM WITH AN AMP**

**WIRING DIAGRAM WITH NO AMP**
WIRING DIAGRAM with an Amplifier

**STEP 1**
- 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 (-)
- BLACK - GROUND
- RED - ACCESSORY (+)
- ORANGE - ILLUMINATION (+)
- YELLOW - 12V (+)
- LT GREEN - E-BRAKE (-)
- PINK - VEHICLE SPEED
- YELLOW/BLACK - FOOT BRAKE

**STEP 2**
- HUMAN MACHINE INTERFACE MODULE HARNESS
  - BEHIND GLOVE BOX

**STEP 3**
- FACTORY RADIO HARNESS

**STEP 4**
- CLIMATE CONTROLS HARNESS

**STEP 5**
- OBDII CONNECTOR

**STEP 6**
- STEERING WHEEL HARNESS

**STEP 7**
- MAESTRO RR MODULE
- MAIN HARNESS
- CONNECT TO AFTERMARKET RADIO
- RCA CABLES
- BACKUP CAM

**STEP 8**
- SPEAKER
- MAESTRO RR MODULE
- FACTORY RADIO HARNESS
- DATA CABLE
- AUDIO CABLE
- WIRE CHART

**Condition**
- WHITE/BLACK - 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 (-)
- BLACK - GROUND
- RED - ACCESSORY (+)
- ORANGE - ILLUMINATION (+)
- YELLOW - 12V (+)
- LT GREEN - E-BRAKE (-)
- PINK - VEHICLE SPEED
- YELLOW/BLACK - FOOT BRAKE

**Connection**
- WHITE/BLACK - 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 (-)
- BLACK - GROUND
- RED - ACCESSORY (+)
- ORANGE - ILLUMINATION (+)
- YELLOW - 12V (+)
- LT GREEN - E-BRAKE (-)
- PINK - VEHICLE SPEED
- YELLOW/BLACK - FOOT BRAKE

**Additional Information**
- WHITE - LF SPEAKER (+)
- ORANGE - ILLUMINATION (+)
- PURPLE/WHITE - REVERSE LIGHT (+)
- LT GREEN - E-BRAKE (-)
- YELLOW/BLACK - FOOT BRAKE

**Connect to**
- AFTERMARKET RADIO
- FACTORY AMPLIFIER

**Wiring Options**
- WHITE/BLACK - 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 (-)
- BLACK - GROUND
- RED - ACCESSORY (+)
- ORANGE - ILLUMINATION (+)
- YELLOW - 12V (+)
- LT GREEN - E-BRAKE (-)
- PINK - VEHICLE SPEED
- YELLOW/BLACK - FOOT BRAKE

**Power Source**
- WHITE/BLACK - 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 (-)
- BLACK - GROUND
- RED - ACCESSORY (+)
- ORANGE - ILLUMINATION (+)
- YELLOW - 12V (+)
- LT GREEN - E-BRAKE (-)
- PINK - VEHICLE SPEED
- YELLOW/BLACK - FOOT BRAKE

**Connect**
- TO AFTERMARKET RADIO
- FACTORY AMPLIFIER

**Reference**
- RADIO WIRE COLORS
- RADIO WIRE REFERENCE CHART
# 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>
# 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>Subwoofer</td>
<td></td>
<td></td>
<td>8 pin</td>
<td>01</td>
<td>DkBlue/Gray</td>
<td>+</td>
<td>Amplifier, back wall of the cab, center of the wall</td>
</tr>
<tr>
<td>Subwoofer</td>
<td></td>
<td></td>
<td>8 pin</td>
<td>05</td>
<td>Gray/Black</td>
<td>-</td>
<td>Amplifier, back wall of the cab, center of the wall</td>
</tr>
<tr>
<td>RF Speaker</td>
<td></td>
<td></td>
<td>8 pin</td>
<td>02</td>
<td>Yellow</td>
<td>+</td>
<td>Amplifier, back wall of the cab, center of the wall</td>
</tr>
<tr>
<td>RF Speaker</td>
<td></td>
<td></td>
<td>8 pin</td>
<td>06</td>
<td>Yellow/Black</td>
<td>-</td>
<td>Amplifier, back wall of the cab, center of the wall</td>
</tr>
<tr>
<td>LF Speaker</td>
<td></td>
<td></td>
<td>8 pin</td>
<td>03</td>
<td>DkBlue</td>
<td>+</td>
<td>Amplifier, back wall of the cab, center of the wall</td>
</tr>
<tr>
<td>LF Speaker</td>
<td></td>
<td></td>
<td>8 pin</td>
<td>07</td>
<td>Brown/DkBlue</td>
<td>-</td>
<td>Amplifier, back wall of the cab, center of the wall</td>
</tr>
<tr>
<td>RF Tweeter (if equipped)</td>
<td></td>
<td></td>
<td>16 pin</td>
<td>04</td>
<td>Brown/LtGreen</td>
<td>+</td>
<td>Amplifier, back wall of the cab, center of the wall</td>
</tr>
<tr>
<td>RF Tweeter (if equipped)</td>
<td></td>
<td></td>
<td>16 pin</td>
<td>12</td>
<td>Purple/Brown</td>
<td>-</td>
<td>Amplifier, back wall of the cab, center of the wall</td>
</tr>
<tr>
<td>LF Tweeter (if equipped)</td>
<td></td>
<td></td>
<td>16 pin</td>
<td>05</td>
<td>Yellow/DkBlue</td>
<td>+</td>
<td>Amplifier, back wall of the cab, center of the wall</td>
</tr>
<tr>
<td>LF Tweeter (if equipped)</td>
<td></td>
<td></td>
<td>16 pin</td>
<td>13</td>
<td>Yellow/Gray</td>
<td>-</td>
<td>Amplifier, back wall of the cab, center of the wall</td>
</tr>
<tr>
<td>RR Speaker</td>
<td></td>
<td></td>
<td>16 pin</td>
<td>06</td>
<td>White</td>
<td>+</td>
<td>Amplifier, back wall of the cab, center of the wall</td>
</tr>
<tr>
<td>RR Speaker</td>
<td></td>
<td></td>
<td>16 pin</td>
<td>14</td>
<td>DkBlue/Black</td>
<td>-</td>
<td>Amplifier, back wall of the cab, center of the wall</td>
</tr>
<tr>
<td>LR Speaker</td>
<td></td>
<td></td>
<td>16 pin</td>
<td>07</td>
<td>LtGreen</td>
<td>+</td>
<td>Amplifier, back wall of the cab, center of the wall</td>
</tr>
<tr>
<td>LR Speaker</td>
<td></td>
<td></td>
<td>16 pin</td>
<td>15</td>
<td>LtGreen/Black</td>
<td>-</td>
<td>Amplifier, back wall of the cab, center of the wall</td>
</tr>
</tbody>
</table>

**AMPLIFIER CONNECTORS (WIRE SIDE)**

![Amplifier Connectors Diagram]
INSTALL GUIDE

CHEVROLET SUBURBAN

2015-2017

RETAINS STEERING WHEEL CONTROLS, ONSTAR, AND MORE!

PRODUCTS REQUIRED
iDatalink Maestro RR Radio Replacement Interface
iDatalink Maestro GM3 Installation Harness

OPTIONAL ACCESSORIES
None

PROGRAMMED FIRMWARE
ADS-RR(SR)-GMS03-DS

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?

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complete the installation as shown in the wiring diagram without an amplifier.

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- Remove the factory radio.

STEP 1

- Unbox the aftermarket radio and locate its main harness.
- Refer to the wiring diagram and connect the wires from aftermarket radio main harness to the GM3 T-harness and match the wire functions.

STEP 2

- If the vehicle is equipped with an OEM backup camera, connect the backup camera harness to the Human Machine Interface module harness, located behind the glove box. Note: The guide lines of the backup camera will not be retained.

STEP 3

- Connect the factory harness to the GM3 T-harness.

STEP 4

Plug the climate control portion of the GM3 T-harness into the climate controls.

STEP 5

- Plug the male BLACK 3 pin connector of your GM3 T-harness into the OBDII/SW control harness.

STEP 6

- Plug the OBDII connector into the OBDII of the vehicle.

STEP 7

- Remove steering column shroud.
- Plug the steering wheel control T-harness into the harness at the steering wheel (steering wheel connector located at bottom of steering column).

STEP 8

- Plug the aftermarket radio harnesses into the aftermarket radio.
- Connect the backup camera RCA cable harness 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.

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.

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**WIRING DIAGRAM with an Amplifier**

**STEP 1**
- 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 (-)
- BLACK - GROUND
- RED - ACCESSORY (+)
- ORANGE - ILLUMINATION (+)
- PURPLE/WHITE - REVERSE LIGHT (+)
- PINK - VEHICLE SPEED
- YELLOW/BLACK - FOOT BRAKE

**DO NOT CONNECT IN VEHICLE EQUIPPED WITH FACTORY AMP. SEE AMPLIFIER BYPASS INFORMATION IN VEHICLE WIRE CHART.**

**STEP 2**
- HUMAN MACHINE INTERFACE MODULE HARNESS
- BEHIND GLOVE BOX

**STEP 3**
- FACTORY RADIO HARNESS

**STEP 4**
- CLIMATE CONTROLS HARNESS

**STEP 5**
- OBDII CONNECTOR

**STEP 6**
- STEERING WHEEL HARNESS

**STEP 7**
- MAIN HARNESS
- DATA CABLE
- AUDIO CABLE
- RCA CABLES
- BACKUP CAM

**STEP 8**
- SPEAKER
- MAESTRO RR MODULE
- GM3 T-HARNESS
- WIRES FROM VEHICLE
- DATA CABLE
- AUDIO CABLE
- MAIN HARNESS
- RCA CABLES
- BACKUP CAM

**NOTE:** Connect to aftermarket radio after connecting to radio wire colors. See radio wire reference chart for radio wire colors.
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<th>Wire Description</th>
<th>Polarity</th>
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<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>
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<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>Subwoofer</td>
<td>-</td>
<td>-</td>
<td>8 pin</td>
<td>01</td>
<td>DkBlue/Gray</td>
<td>[+]</td>
<td>Amplifier, left side of cargo area, behind wheel well</td>
</tr>
<tr>
<td>Subwoofer</td>
<td>-</td>
<td>-</td>
<td>8 pin</td>
<td>05</td>
<td>Gray/Black</td>
<td>[-]</td>
<td>Amplifier, left side of cargo area, behind wheel well</td>
</tr>
<tr>
<td>RF Speaker</td>
<td>-</td>
<td>-</td>
<td>8 pin</td>
<td>02</td>
<td>Yellow</td>
<td>[+]</td>
<td>Amplifier, left side of cargo area, behind wheel well</td>
</tr>
<tr>
<td>RF Speaker</td>
<td>-</td>
<td>-</td>
<td>8 pin</td>
<td>06</td>
<td>Yellow/Black</td>
<td>[-]</td>
<td>Amplifier, left side of cargo area, behind wheel well</td>
</tr>
<tr>
<td>LF Speaker</td>
<td>-</td>
<td>-</td>
<td>8 pin</td>
<td>03</td>
<td>DkBlue</td>
<td>[+]</td>
<td>Amplifier, left side of cargo area, behind wheel well</td>
</tr>
<tr>
<td>LF Speaker</td>
<td>-</td>
<td>-</td>
<td>8 pin</td>
<td>07</td>
<td>Brown/DkBlue</td>
<td>[-]</td>
<td>Amplifier, left side of cargo area, behind wheel well</td>
</tr>
<tr>
<td>RF Tweeter (if equipped)</td>
<td>-</td>
<td>-</td>
<td>16 pin</td>
<td>04</td>
<td>Brown/LtGreen</td>
<td>[-]</td>
<td>Amplifier, left side of cargo area, behind wheel well</td>
</tr>
<tr>
<td>RF Tweeter (if equipped)</td>
<td>-</td>
<td>-</td>
<td>16 pin</td>
<td>12</td>
<td>Purple/Brown</td>
<td>[-]</td>
<td>Amplifier, left side of cargo area, behind wheel well</td>
</tr>
<tr>
<td>LF Tweeter (if equipped)</td>
<td>-</td>
<td>-</td>
<td>16 pin</td>
<td>05</td>
<td>Yellow/DkBlue</td>
<td>[-]</td>
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<tr>
<td>RR Speaker</td>
<td>-</td>
<td>-</td>
<td>16 pin</td>
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</table>

### AMPLIFIER CONNECTORS (WIRE SIDE)

![Amplifier Connector Diagram]
INSTALL GUIDE
CHEVROLET TAHOE
2015-2017
RETAINS STEERING WHEEL CONTROLS, ONSTAR, AND MORE!

PRODUCTS REQUIRED
iDatalink Maestro RR Radio Replacement Interface
iDatalink Maestro GM3 Installation Harness

OPTIONAL ACCESSORIES
None

PROGRAMMED Firmware
ADS-RR(SR)-GMS03-DS

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

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INSTALLATION INSTRUCTIONS

BEFORE INSTALLING

- Determine if the vehicle has a Bose amplifier. Look for badges on the radio, door panels, and dash that indicate that the vehicle has Bose.

If the vehicle DOES NOT have a factory amplifier:
complete the installation as shown in the wiring diagram without an amplifier.

If the vehicle DOES have a factory amplifier:
complete the installation as shown in the wiring diagram with an amplifier. The amplifier cannot be retained; it must be bypassed or replaced with an aftermarket amplifier. See the vehicle reference chart for wire colors; bypass instructions are not included.

- Remove the factory radio.

STEP 1

- Unbox the aftermarket radio and locate its main harness.
- Refer to the wiring diagram and connect the wires from aftermarket radio main harness to the GM3 T-harness and match the wire functions.

STEP 2

- If the vehicle is equipped with an OEM backup camera, connect the backup camera harness to the Human Machine Interface module harness, located behind the glove box. Note: The guide lines of the backup camera will not be retained.

STEP 3

- Connect the factory harness to the GM3 T-harness.

STEP 4

- Plug the climate control portion of the GM3 T-harness into the climate controls.

STEP 5

- Plug the male BLACK 3 pin connector of your GM3 T-harness into the OBDII/SW control harness.

- Plug the OBDII connector into the OBDII of the vehicle.

STEP 6

- Remove steering column shroud.
- Plug the steering wheel control T-harness into the harness at the steering wheel (steering wheel connector located at bottom of steering column).

STEP 7

- Plug the aftermarket radio harnesses into the aftermarket radio.
- Connect the backup camera RCA cable harness 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.

STEP 8

- Connect all the harnesses to the Maestro RR module then proceed test your installation.

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 with an Amplifier

**STEP 1**
- 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 (-)
- BLACK - GROUND
- RED - ACCESSORY (+)
- YELLOW - 12V (+)
- ORANGE - ILLUMINATION (+)
- PURPLE/WHITE - REVERSE LIGHT (+)
- PINK - VEHICLE SPEED
- YELLOW/BLACK - FOOT BRAKE

*DO NOT CONNECT IN VEHICLE EQUIPPED WITH FACTORY AMP. SEE AMPLIFIER BYPASS INFORMATION IN VEHICLE WIRE CHART.*

**STEP 2**
- HUMAN MACHINE INTERFACE MODULE HARNESS
  BEHIND GLOVE BOX

**STEP 3**
- FACTORY RADIO HARNESS

**STEP 4**
- CLIMATE CONTROLS HARNESS

**STEP 5**
- OBDII CONNECTOR

**STEP 6**
- STEERING WHEEL HARNESS

**STEP 7**
- MAIN HARNESS
- RCA CABLES
- BACKUP CAM

**STEP 8**
- SPEAKER
- WIRE FROM VEHICLE
- FACTORY RADIO HARNESS
- DATA CABLE
- AUDIO CABLE
- RCA CABLES
## RADIO WIRE REFERENCE CHART

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<th>Wire Description</th>
<th>Polarity</th>
<th>Wire Color on Maestro T-Harness</th>
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<tr>
<td>Illumination</td>
<td>(+)</td>
<td>Orange</td>
<td>N/A</td>
<td>Orange/White</td>
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<tr>
<td>Reverse Light</td>
<td>(+)</td>
<td>Purple/White</td>
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<tr>
<td>VSS [vehicle speed sensor]</td>
<td>[DATA]</td>
<td>Pink</td>
<td>Green/White</td>
<td>N/A</td>
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<th>Position</th>
<th>Wire Color</th>
<th>Polarity</th>
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<tr>
<td>Subwoofer</td>
<td></td>
<td></td>
<td>8 pin</td>
<td>01</td>
<td>DkBlue/Gray</td>
<td>[+]</td>
<td>Amplifier, left side of cargo area, behind wheel well</td>
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<td>[+]</td>
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### AMPLIFIER CONNECTORS (WIRE SIDE)

![Connector Diagram]
INSTALL GUIDE
GMC CANYON
2015-2017
RETAINS STEERING WHEEL CONTROLS, ONSTAR, AND MORE!

PRODUCTS REQUIRED
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iDatalink Maestro GM3 Installation Harness

OPTIONAL ACCESSORIES
None

PROGRAMMED Firmware
ADS-RR(SR)-GMS03-DS

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**WELCOME**

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**NEED HELP?**

📞 1 866 427-2999

✉️ support@idatalink.com

💬 maestro.idatalink.com/support

www.12voltdata.com/forum

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• Remove the factory radio.

STEP 1

• Unbox the aftermarket radio and locate its main harness.
• Refer to the wiring diagram and connect the wires from aftermarket radio main harness to the GM3 T-harness and match the wire functions.

STEP 2

• If the vehicle is equipped with an OEM backup camera, connect the backup camera harness to the Human Machine Interface module harness, located at the bottom of the radio cavity. Note: The guide lines of the backup camera will not be retained.

STEP 3

• Connect the factory harness to the GM3 T-harness.

STEP 4

Plug the climate control portion of the GM3 T-harness into the climate controls.

STEP 5

• Plug the male BLACK 3 pin connector of your GM3 T-harness into the OBDII/SW control harness.

STEP 6

• Plug the OBDII connector into the OBDII of the vehicle.

If the vehicle DOES have steering wheel controls:

• Remove steering column shroud.
• Locate the steering wheel control wire in the GM3 steering wheel harness. Cut the GREEN/BLACK wire and splice it into pin 9.
• Plug the steering wheel control T-harness into the harness at the steering wheel (steering wheel connector located at top of steering column).

STEP 7

• Plug the aftermarket radio harnesses into the aftermarket radio.
• Connect the backup camera RCA cable harness 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.

STEP 8

• Connect all the harnesses to the Maestro RR module then proceed test your installation.

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.
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**WIRING DIAGRAM** without an Amplifier

**STEP 1**
- 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 - 12V (+)
- YELLOW - 12V (+)
- PURPLE/WHITE - REVERSE LIGHT (+)
- SEE RADIO WIRE COLORS
- PURPLE/WHITE - AFTERMARKET RADIO

**STEP 2**
- HUMAN MACHINE INTERFACE MODULE HARNESS
- BOTTOM OF RADIO CAVITY

**STEP 3**
- FACTORY RADIO HARNESS

**STEP 4**
- CLIMATE CONTROLS HARNESS

**STEP 5**
- OBDII CONNECTOR

**STEP 6**
- STEERING WHEEL HARNESS
- CUT GREEN/BLACK WIRE AND SPLICE IT TO PIN 9 WIRE

**STEP 7**
- MAIN HARNESS
- RCA CABLES
- BACKUP CAM

**STEP 8**
- CONNECT TO AFTERMARKET RADIO
- WIRE FROM VEHICLE
- DATA CABLE
- AUDIO CABLE

**GM3 T-HARNESS**
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<td>Brown/LtGreen</td>
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**AMPLIFIER CONNECTORS (WIRE SIDE)**

![Amplifier Connectors Diagram](image-url)
# INSTALL GUIDE

## GMC SIERRA 1500

**WITH 4.2" AND 8" RADIOS**

**2014-2017**

RETAINS STEERING WHEEL CONTROLS, ONSTAR, AND MORE!

---

### PRODUCTS REQUIRED

- iDatalink Maestro RR Radio Replacement Interface
- iDatalink Maestro GM3 Installation Harness

### OPTIONAL ACCESSORIES

- None

### PROGRAMMED FIRMWARE

- ADS-RR(SR)-GMS03-DS

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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

BEFORE INSTALLING

- Determine if the vehicle has a Bose amplifier. Look for badges on the radio, door panels, and dash that indicate that the vehicle has Bose.

If the vehicle DOES NOT have a factory amplifier:
complete the installation as shown in the wiring diagram without an amplifier.

If the vehicle DOES have a factory amplifier:
complete the installation as shown in the wiring diagram with an amplifier. The amplifier cannot be retained; it must be bypassed or replaced with an aftermarket amplifier. See the vehicle reference chart for wire colors; bypass instructions are not included.

- Remove the factory radio.

STEP 1
- Unbox the aftermarket radio and locate its main harness.
- Refer to the wiring diagram and connect the wires from aftermarket radio main harness to the GM3 T-harness and match the wire functions.

STEP 2
- If the vehicle is equipped with an OEM backup camera, connect the backup camera harness to the Human Machine Interface module harness, located behind the glove box. Note: The guide lines of the backup camera will not be retained.

STEP 3
- Connect the factory harness to the GM3 T-harness.

STEP 4
Plug the climate control portion of the GM3 T-harness into the climate controls.

STEP 5
- Plug the male BLACK 3 pin connector of your GM3 T-harness into the OBDII/SW control harness.

STEP 6
- Plug the OBDII connector into the OBDII of the vehicle.

- Remove steering column shroud.
- Plug the steering wheel control T-harness into the harness at the steering wheel (steering wheel connector located at bottom of steering column).

STEP 7
- Plug the aftermarket radio harnesses into the aftermarket radio.
- Connect the backup camera RCA cable harness 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.

STEP 8
- Connect all the harnesses to the Maestro RR module then proceed test your installation.

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 without an Amplifier

STEP 1
- 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 (-)
- YELLOW/BLACK - FOOT BRAKE
- PINK - VEHICLE SPEED
- GREEN/BLACK - FOOT BRAKE
- WHITE/BLACK - LF SPEAKER (-)
- GREEN/BLACK - LR SPEAKER (-)
- PURPLE/BLACK - RR SPEAKER (-)
- BLUE/WHITE - AMP TURN ON (+)

STEP 2
HUMAN MACHINE INTERFACE MODULE HARNESS
BEHIND GLOVE BOX

STEP 3
FACTORY RADIO HARNESS

STEP 4
CLIMATE CONTROLS HARNESS

STEP 5
OBDII CONNECTOR

STEP 6
STEERING WHEEL HARNESS

STEP 7
MAIN HARNESS
CONNECT TO AFTERMARKET RADIO

STEP 8
SPEAKER
MAESTRO RR MODULE

GM3 T-HARNESS
WIRING DIAGRAM without an Amplifier

WIRES FROM VEHICLE
DATA CABLE
AUDIO CABLE
BACKUP CAM
RCA CABLES

FACTORY RADIO HARNESS
SEE RADIO WIRE REFERENCE CHART FOR RADIO WIRE COLORS

ORANGE - ILLUMINATION (+)
YELLOW - 12V (+)
RED - ACCESSORY (+)
BLUE/WHITE - AMP. TURN ON (+)
PURPLE - RR SPEAKER (+)
YELLOW/BLACK - FOOT BRAKE
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 (-)
YELLOW/BLACK - FOOT BRAKE
PINK - VEHICLE SPEED
GREEN/BLACK - FOOT BRAKE
WHITE/BLACK - LF SPEAKER (-)
GREEN/BLACK - LR SPEAKER (-)
PURPLE/BLACK - RR SPEAKER (-)
BLUE/WHITE - AMP TURN ON (+)

WIRING DIAGRAM without an Amplifier

GM3 T-HARNESS
WIRING DIAGRAM without an Amplifier

WIRES FROM VEHICLE
DATA CABLE
AUDIO CABLE
BACKUP CAM
RCA CABLES

FACTORY RADIO HARNESS
SEE RADIO WIRE REFERENCE CHART FOR RADIO WIRE COLORS

ORANGE - ILLUMINATION (+)
YELLOW - 12V (+)
RED - ACCESSORY (+)
BLUE/WHITE - AMP. TURN ON (+)
PURPLE - RR SPEAKER (+)
YELLOW/BLACK - FOOT BRAKE
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 (-)
YELLOW/BLACK - FOOT BRAKE
PINK - VEHICLE SPEED
GREEN/BLACK - FOOT BRAKE
WHITE/BLACK - LF SPEAKER (-)
GREEN/BLACK - LR SPEAKER (-)
PURPLE/BLACK - RR SPEAKER (-)
BLUE/WHITE - AMP TURN ON (+)
**WIRING DIAGRAM with an Amplifier**

**STEP 1**
- DO NOT CONNECT IN VEHICLE EQUIPPED WITH FACTORY AMP. SEE AMPLIFIER BYPASS INFORMATION IN VEHICLE WIRE CHART.
- 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 (-)
- BLACK - GROUND
- RED - ACCESSORY (+)
- ORANGE - ILLUMINATION (+)
- ORANGE/WHITE - REVERSE LIGHT (+)
- PURPLE/WHITE - Reverse Light (-)
- LTGREEN - E-BRAKE (-)
- YELLOW/BLACK - FOOT BRAKE
- PINK - VEHICLE SPEED
- YELLOW/WHITE - LF SPEAKER (+)
- YELLOW/BLACK - LF SPEAKER (-)
- GREEN - RR SPEAKER (+)
- GREEN/BLACK - RR SPEAKER (-)
- PURPLE/WHITE - REVERSE LIGHT (+)
- LTGREEN - E-BRAKE (-)
- YELLOW - 12V (+)
- BLACK - GROUND
- RED - ACCESSORY (+)
- BLUE/WHITE - AMP. TURN ON (+)
- PURPLE/WHITE - REVERSE LIGHT (+)
- LTGREEN - E-BRAKE (-)
- YELLOW/BLACK - FOOT BRAKE
- WHITE/BLACK - LF SPEAKER (-)

**STEP 7**
- MAIN HARNESS
- DATA CABLE
- AUDIO CABLE
- RCA CABLES
- BACKUP CAM
- CONNECT TO AFTERMARKET RADIO

**STEP 2**
- HUMAN MACHINE INTERFACE MODULE HARNESS
- BEHIND GLOVE BOX

**STEP 3**
- FACTORY RADIO HARNESS

**STEP 4**
- CLIMATE CONTROLS HARNESS

**STEP 5**
- OBDII CONNECTOR

**STEP 6**
- STEERING WHEEL HARNESS

**STEP 7**
- GM3 T-HARNESS

**STEP 8**
- SPEAKER
- MAESTRO RR MODULE
- A
- B
- C
- D
- E
- F
- G
- H

DO NOT CONNECT IN VEHICLE EQUIPPED WITH FACTORY AMP. SEE AMPLIFIER BYPASS INFORMATION IN VEHICLE WIRE CHART.

GM3 T-HARNESS

WIRING DIAGRAM with an Amplifier
<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>
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<tbody>
<tr>
<td>Illumination</td>
<td>(+)</td>
<td>Orange</td>
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<td>Orange/White</td>
<td>Orange/White</td>
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<tr>
<td>Reverse Light</td>
<td>(+)</td>
<td>Purple/White</td>
<td>Orange/White</td>
<td>Purple/White</td>
<td>Purple/White</td>
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<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>
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</table>
## 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>Subwoofer</td>
<td>—</td>
<td>—</td>
<td>8 pin</td>
<td>01</td>
<td>DkBlue/Gray</td>
<td>[+]</td>
<td>Amplifier, back wall of the cab, center of the wall</td>
</tr>
<tr>
<td>Subwoofer</td>
<td>—</td>
<td>—</td>
<td>8 pin</td>
<td>05</td>
<td>Gray/Black</td>
<td>[-]</td>
<td>Amplifier, back wall of the cab, center of the wall</td>
</tr>
<tr>
<td>RF Speaker</td>
<td>—</td>
<td>—</td>
<td>8 pin</td>
<td>02</td>
<td>Yellow</td>
<td>[+]</td>
<td>Amplifier, back wall of the cab, center of the wall</td>
</tr>
<tr>
<td>RF Speaker</td>
<td>—</td>
<td>—</td>
<td>8 pin</td>
<td>06</td>
<td>Yellow/Black</td>
<td>[-]</td>
<td>Amplifier, back wall of the cab, center of the wall</td>
</tr>
<tr>
<td>LF Speaker</td>
<td>—</td>
<td>—</td>
<td>8 pin</td>
<td>03</td>
<td>DkBlue</td>
<td>[+]</td>
<td>Amplifier, back wall of the cab, center of the wall</td>
</tr>
<tr>
<td>LF Speaker</td>
<td>—</td>
<td>—</td>
<td>8 pin</td>
<td>07</td>
<td>Brown/DkBlue</td>
<td>[-]</td>
<td>Amplifier, back wall of the cab, center of the wall</td>
</tr>
<tr>
<td>RF Tweeter (if equipped)</td>
<td>—</td>
<td>—</td>
<td>16 pin</td>
<td>04</td>
<td>Brown/LtGreen</td>
<td>[+]</td>
<td>Amplifier, back wall of the cab, center of the wall</td>
</tr>
<tr>
<td>RF Tweeter (if equipped)</td>
<td>—</td>
<td>—</td>
<td>16 pin</td>
<td>12</td>
<td>Purple/Brown</td>
<td>[-]</td>
<td>Amplifier, back wall of the cab, center of the wall</td>
</tr>
<tr>
<td>LF Tweeter (if equipped)</td>
<td>—</td>
<td>—</td>
<td>16 pin</td>
<td>05</td>
<td>Yellow/DkBlue</td>
<td>[+]</td>
<td>Amplifier, back wall of the cab, center of the wall</td>
</tr>
<tr>
<td>LF Tweeter (if equipped)</td>
<td>—</td>
<td>—</td>
<td>16 pin</td>
<td>13</td>
<td>Yellow/Gray</td>
<td>[-]</td>
<td>Amplifier, back wall of the cab, center of the wall</td>
</tr>
<tr>
<td>RR Speaker</td>
<td>—</td>
<td>—</td>
<td>16 pin</td>
<td>06</td>
<td>White</td>
<td>[+]</td>
<td>Amplifier, back wall of the cab, center of the wall</td>
</tr>
<tr>
<td>RR Speaker</td>
<td>—</td>
<td>—</td>
<td>16 pin</td>
<td>14</td>
<td>DkBlue/Black</td>
<td>[-]</td>
<td>Amplifier, back wall of the cab, center of the wall</td>
</tr>
<tr>
<td>LR Speaker</td>
<td>—</td>
<td>—</td>
<td>16 pin</td>
<td>07</td>
<td>LtGreen</td>
<td>[+]</td>
<td>Amplifier, back wall of the cab, center of the wall</td>
</tr>
<tr>
<td>LR Speaker</td>
<td>—</td>
<td>—</td>
<td>16 pin</td>
<td>15</td>
<td>LtGreen/Black</td>
<td>[-]</td>
<td>Amplifier, back wall of the cab, center of the wall</td>
</tr>
</tbody>
</table>

### AMPLIFIER CONNECTORS (WIRE SIDE)
INSTALL GUIDE
GMC SIERRA 2500 & 3500
WITH 4.2" AND 8" RADIOS
2015-2017
RETAINS STEERING WHEEL CONTROLS, ONSTAR, 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
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www.12voltdata.com/forum

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</table>
INSTALLATION INSTRUCTIONS

BEFORE INSTALLING

- Determine if the vehicle has a Bose amplifier. Look for badges on the radio, door panels, and dash that indicate that the vehicle has Bose.

If the vehicle DOES NOT have a factory amplifier:
complete the installation as shown in the wiring diagram without an amplifier.

If the vehicle DOES have a factory amplifier:
complete the installation as shown in the wiring diagram with an amplifier. The amplifier cannot be retained; it must be bypassed or replaced with an aftermarket amplifier. See the vehicle reference chart for wire colors; bypass instructions are not included.

- Remove the factory radio.

STEP 1

- Unbox the aftermarket radio and locate its main harness.
- Refer to the wiring diagram and connect the wires from aftermarket radio main harness to the GM3 T-harness and match the wire functions.

STEP 2

- If the vehicle is equipped with an OEM backup camera, connect the backup camera harness to the Human Machine Interface module harness, located behind the glove box. Note: The guide lines of the backup camera will not be retained.

STEP 3

- Connect the factory harness to the GM3 T-harness.

STEP 4

Plug the climate control portion of the GM3 T-harness into the climate controls.

STEP 5

- Plug the male BLACK 3 pin connector of your GM3 T-harness into the OBDII/SW control harness.

- Plug the OBDII connector into the OBDII of the vehicle.

STEP 6

- Remove steering column shroud.
- Plug the steering wheel control T-harness into the harness at the steering wheel (steering wheel connector located at bottom of steering column).

STEP 7

- Plug the aftermarket radio harnesses into the aftermarket radio.
- Connect the backup camera RCA cable harness 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.

STEP 8

- Connect all the harnesses to the Maestro RR module then proceed test your installation.

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 without an Amplifier

**STEP 1**
- 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 (-)
- Black - Ground
- Red - Accessory (+)
- Yellow - 12V (+)
- Orange - Illumination (+)
- Purple/White - Reverse Light (+)
- LT Green - E-Brake (-)
- Yellow/Black - Foot Brake
- Pink - Vehicle Speed
- Radio Wire
- Colors

**STEP 2**
Human Machine Interface Module Harness
Behind Glove Box

**STEP 3**
Factory Radio Harness

**STEP 4**
Climate Controls Harness

**STEP 5**
OBDII Connector

**STEP 6**
Steering Wheel Harness

**STEP 7**
Main Harness

**STEP 8**
Connect to Aftermarket Radio
RCA Cables
Backup Cam
Wires From Vehicle
Data Cable
Audio Cable

GM3 T-Harness

Connect to Aftermarket Radio
RFCA CABLES
Connect to Aftermarket Radio
RCA CABLES

Backup Cam Behind Glove Box
Wires From Vehicle

Steering Wheel Harness

GM3 T-Harness

Step 6: Steering Wheel Harness

Step 5: OBDII Connector

Step 4: Climate Controls Harness

Step 3: Factory Radio Harness

Step 2: Human Machine Interface Module Harness

Step 1: Wiring Diagram without an Amplifier

GM SIERRA 2500 & 3500 WITH 4.2” AND 8” RADIOS 2015-2017
WIRING DIAGRAM with an Amplifier

STEP 1
- 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 (-)
- BLACK - GROUND
- RED - ACCESSORY (+)
- ORANGE - ILLUMINATION (+)
- PURPLE/WHITE - REVERSE LIGHT (+)
- YELLOW - 12V (+)
- PINK - VEHICLE SPEED
- YELLOW/BLACK - FOOT BRAKE
- BLUE/WHITE - AMP. TURN ON (+)
- GREEN - LR SPEAKER (+)
- GREEN/BLACK - LR SPEAKER (-)
- PURPLE/WHITE - RR SPEAKER (+)
- PURPLE/BLACK - RR SPEAKER (-)
- BLACK - GROUND
- RED - ACCESSORY (+)
- ORANGE - ILLUMINATION (+)
- PURPLE/WHITE - REVERSE LIGHT (+)
- YELLOW - 12V (+)
- PINK - VEHICLE SPEED
- YELLOW/BLACK - FOOT BRAKE
- BLUE/WHITE - AMP. TURN ON (+)

DO NOT CONNECT IN VEHICLE EQUIPPED WITH FACTORY AMP. SEE AMPLIFIER BYPASS INFORMATION IN VEHICLE WIRE CHART.

STEP 2
- HUMAN MACHINE INTERFACE MODULE HARNESS
  - BEHIND GLOVE BOX

STEP 3
- FACTORY RADIO HARNESS

STEP 4
- CLIMATE CONTROLS HARNESS

STEP 5
- OBDII CONNECTOR

STEP 6
- STEERING WHEEL HARNESS

STEP 7
- MAIN HARNESS
  - RCA CABLES
  - CONNECT TO AFTERMARKET RADIO
  - BACKUP CAM

STEP 8
- SPEAKER
  - MAESTRO RR MODULE
  - GM3 T-HARNESS
  - LEFT & RIGHT SPEAKERS
  - FOOT BRAKE
  - VEHICLE SPEED
  - REVERSE LIGHT
  - ILLUMINATION

DO NOT CONNECT IN VEHICLE EQUIPPED WITH FACTORY AMP. SEE AMPLIFIER BYPASS INFORMATION IN VEHICLE WIRE CHART.

WIRING DIAGRAM

GMC SIERRA 2500 & 3500 WITH 4.2” AND 8” RADIOS 2015-2017
# 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>
# 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>Subwoofer</td>
<td>–</td>
<td>–</td>
<td>8 pin</td>
<td>01</td>
<td>DkBlue/Gray</td>
<td>[+]</td>
<td>Amplifier, back wall of the cab, center of the wall</td>
</tr>
<tr>
<td>Subwoofer</td>
<td>–</td>
<td>–</td>
<td>8 pin</td>
<td>05</td>
<td>Gray/Black</td>
<td>[+]</td>
<td>Amplifier, back wall of the cab, center of the wall</td>
</tr>
<tr>
<td>RF Speaker</td>
<td>–</td>
<td>–</td>
<td>8 pin</td>
<td>02</td>
<td>Yellow</td>
<td>[+]</td>
<td>Amplifier, back wall of the cab, center of the wall</td>
</tr>
<tr>
<td>RF Speaker</td>
<td>–</td>
<td>–</td>
<td>8 pin</td>
<td>06</td>
<td>Yellow/Black</td>
<td>[-]</td>
<td>Amplifier, back wall of the cab, center of the wall</td>
</tr>
<tr>
<td>LF Speaker</td>
<td>–</td>
<td>–</td>
<td>8 pin</td>
<td>03</td>
<td>DkBlue</td>
<td>[+]</td>
<td>Amplifier, back wall of the cab, center of the wall</td>
</tr>
<tr>
<td>LF Speaker</td>
<td>–</td>
<td>–</td>
<td>8 pin</td>
<td>07</td>
<td>Brown/DkBlue</td>
<td>[-]</td>
<td>Amplifier, back wall of the cab, center of the wall</td>
</tr>
<tr>
<td>RF Tweeter (if equipped)</td>
<td>–</td>
<td>–</td>
<td>16 pin</td>
<td>04</td>
<td>Brown/LtGreen</td>
<td>[+]</td>
<td>Amplifier, back wall of the cab, center of the wall</td>
</tr>
<tr>
<td>RF Tweeter (if equipped)</td>
<td>–</td>
<td>–</td>
<td>16 pin</td>
<td>12</td>
<td>Purple/Brown</td>
<td>[-]</td>
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<td>–</td>
<td>16 pin</td>
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<td>Yellow/Gray</td>
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</tr>
<tr>
<td>RR Speaker</td>
<td>–</td>
<td>–</td>
<td>16 pin</td>
<td>06</td>
<td>White</td>
<td>[+]</td>
<td>Amplifier, back wall of the cab, center of the wall</td>
</tr>
<tr>
<td>RR Speaker</td>
<td>–</td>
<td>–</td>
<td>16 pin</td>
<td>14</td>
<td>DkBlue/Black</td>
<td>[-]</td>
<td>Amplifier, back wall of the cab, center of the wall</td>
</tr>
<tr>
<td>LR Speaker</td>
<td>–</td>
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<td>LtGreen</td>
<td>[+]</td>
<td>Amplifier, back wall of the cab, center of the wall</td>
</tr>
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<td>LR Speaker</td>
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<td>–</td>
<td>16 pin</td>
<td>15</td>
<td>LtGreen/Black</td>
<td>[-]</td>
<td>Amplifier, back wall of the cab, center of the wall</td>
</tr>
</tbody>
</table>

**AMPLIFIER CONNECTORS (WIRE SIDE)**

![Amplifier Connector Diagram]
INSTALL GUIDE
GMC YUKON & YUKON XL
2015-2017
RETAINS STEERING WHEEL CONTROLS, ONSTAR, AND MORE!

PRODUCTS REQUIRED
iDataLink Maestro RR Radio Replacement Interface
iDataLink Maestro GM3 Installation Harness

OPTIONAL ACCESSORIES
None

PROGRAMMED FIRMWARE
ADS-RR(SR)-GMS03-DS

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

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INSTALLATION INSTRUCTIONS

BEFORE INSTALLING

• Determine if the vehicle has a Bose amplifier. Look for badges on the radio, door panels, and dash that indicate that the vehicle has Bose.

If the vehicle DOES NOT have a factory amplifier:
complete the installation as shown in the wiring diagram without an amplifier.

If the vehicle DOES have a factory amplifier:
complete the installation as shown in the wiring diagram with an amplifier. The amplifier cannot be retained; it must be bypassed or replaced with an aftermarket amplifier. See the vehicle reference chart for wire colors; bypass instructions are not included.

• Remove the factory radio.

STEP 1

• Unbox the aftermarket radio and locate its main harness.
• Refer to the wiring diagram and connect the wires from aftermarket radio main harness to the GM3 T-harness and match the wire functions.

STEP 2

• If the vehicle is equipped with an OEM backup camera, connect the backup camera harness to the Human Machine Interface module harness, located behind the glove box. Note: The guide lines of the backup camera will not be retained.

STEP 3

• Connect the factory harness to the GM3 T-harness.

STEP 4

Plug the climate control portion of the GM3 T-harness into the climate controls.

STEP 5

• Plug the male BLACK 3 pin connector of your GM3 T-harness into the OBDII/SW control harness.

STEP 6

• Plug the OBDII connector into the OBDII of the vehicle.

STEP 7

• Remove steering column shroud.
• Plug the steering wheel control T-harness into the harness at the steering wheel (steering wheel connector located at bottom of steering column).

STEP 8

• Plug the aftermarket radio harnesses into the aftermarket radio.
• Connect the backup camera RCA cable harness 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.

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 with an Amplifier

STEP 1
- 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 (-)
- BLACK - GROUND
- RED - ACCESSORY (+)
- ORANGE - ILLUMINATION (+)
- PURPLE/WHITE - REVERSE LIGHT (+)
- PINK - VEHICLE SPEED
- YELLOW/BLACK - FOOT BRAKE

DO NOT CONNECT IN VEHICLE EQUIPPED WITH FACTORY AMP. SEE AMPLIFIER BYPASS INFORMATION IN VEHICLE WIRE CHART.

STEP 7
- MAIN HARNESS
- DATA CABLE
- AUDIO CABLE
- SPEAKER

STEP 2
- HUMAN MACHINE INTERFACE MODULE HARNESS
- BEHIND GLOVE BOX

STEP 3
- FACTORY RADIO HARNESS

STEP 4
- CLIMATE CONTROLS HARNESS

STEP 5
- OBDII CONNECTOR

STEP 6
- STEERING WHEEL HARNESS

STEP 8
- CONNECT TO AFTERMARKET RADIO
- RCA CABLES
- backup cam
- wires from vehicle
- gm3 t-harness

WIRING DIAGRAM with an Amplifier

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 (-)
BLACK - GROUND
RED - ACCESSORY (+)
ORANGE - ILLUMINATION (+)
PURPLE/WHITE - REVERSE LIGHT (+)
PINK - VEHICLE SPEED
YELLOW/BLACK - FOOT BRAKE
LYELLOW - 12V (+)
YELLOW - 12V (-)
GREEN - LR SPEAKER (+)
GREEN/BLACK - LR SPEAKER (-)
PURPLE - RR SPEAKER (+)
PURPLE/BLACK - RR SPEAKER (-)
WHITE/BLACK - LF SPEAKER (-)
GRAY - RF SPEAKER (-)
GREEN - LR SPEAKER (-)
GREEN/BLACK - LR SPEAKER (+)
PURPLE - RR SPEAKER (-)
PURPLE/BLACK - RR SPEAKER (+)
BLACK - GROUND
RED - ACCESSORY (-)
ORANGE - ILLUMINATION (-)
PURPLE/WHITE - REVERSE LIGHT (-)
PINK - VEHICLE SPEED
YELLOW/BLACK - FOOT BRAKE
# 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>
## 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>Subwoofer</td>
<td>-</td>
<td>-</td>
<td>8 pin</td>
<td>01</td>
<td>DkBlue/Gray</td>
<td>[+]</td>
<td>Amplifier, left side of cargo area, behind wheel well</td>
</tr>
<tr>
<td>Subwoofer</td>
<td>-</td>
<td>-</td>
<td>8 pin</td>
<td>05</td>
<td>Gray/Black</td>
<td>[-]</td>
<td>Amplifier, left side of cargo area, behind wheel well</td>
</tr>
<tr>
<td>RF Speaker</td>
<td>-</td>
<td>-</td>
<td>8 pin</td>
<td>02</td>
<td>Yellow</td>
<td>[+]</td>
<td>Amplifier, left side of cargo area, behind wheel well</td>
</tr>
<tr>
<td>RF Speaker</td>
<td>-</td>
<td>-</td>
<td>8 pin</td>
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</tr>
<tr>
<td>RR Speaker</td>
<td>-</td>
<td>-</td>
<td>16 pin</td>
<td>06</td>
<td>White</td>
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### Amplifier Connectors (Wire Side)

![Amplifier Connectors Diagram]