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)-GMS05-DS

PRODUCTS REQUIRED
iDatalink Maestro RR Radio Replacement Interface
iDatalink Maestro GM5+ Installation Harness

INSTALL GUIDE
BUICK ENCLAVE
2008-2017

RETAINS STEERING WHEEL CONTROLS, ONSTAR, BLUETOOTH, XM SATELLITE AND MORE!

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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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Radio Wire Reference Chart 7
BEFORE INSTALLING

**STEP 1**

**DETERMINE IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:**

**METHOD 1:** Look for the following logos in the vehicle. They are usually on the speaker covers or on the radio unit. If you find any of the following logos Bose, Pioneer or Monsoon, you have a factory amplifier.

**METHOD 2:** Look for the following sticker in the glove box. This sticker will indicate all the Regular Production Option (RPO) codes. If you find any of the following codes UQA, UQS or UQG, you have a factory amplifier.

**STEP 2**

**IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:**

Follow the installation instructions and complete the installation as shown in the wiring diagram with an amplifier and read the “AMPLIFIER ONLY” note to determine if you should use RCA’s or level matching circuits.

**IF YOUR VEHICLE NOT IS EQUIPPED WITH A FACTORY AMPLIFIER:**

Follow the installation instructions and complete the installation as shown in the wiring diagram without an amplifier.
INSTALLATION INSTRUCTIONS

STEP 1
- Unbox the aftermarket radio and locate its main harness.
- Connect the wires shown on the next page from aftermarket radio main harness to the GM5+ T-harness and match the wire functions.

STEP 2
- Connect the factory harness to the GM5+ T-harness.

STEP 3
- Access the OBDII connector located under the driver side dashboard.
- Connect the BROWN /RED wire of the GM5+ T-harness to the wire located at pin 6 of the OBDII connector. (See the vehicle wire chart reference for wire colors)
- Connect the BROWN /YELLOW wire of the GM5+ T-harness to the wire located at pin 14 of the OBDII connector. (See the vehicle wire chart reference for wire colors)

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.

STEP 5
- Connect all the harnesses to the Maestro RR module then proceed to module setup.

The module is now ready to be used.
Insert the aftermarket radio in the dashboard housing and test all the functionalities.
Reassemble the dashboard carefully.

AMPLIFIER ONLY
DETERMINE IF YOU SHOULD USE RCA’S OR LEVEL MATCHING CIRCUITS

- If your vehicle is equipped with a factory amplifier you can connect the RCA wiring to the low level outputs of your aftermarket radio, or connect the level matching circuits to the speaker outputs of the aftermarket radio.
- If your aftermarket radio does not have low level outputs, has only a single RCA output, or the RCA output level is 2 volts or less then it is recommended to connect the level matching circuit to the speaker outputs. If the volume does not go loud enough using the RCA connections, the level matching circuits can be used.
- The internal amplifier in some radios is not compatible with the level matching circuit. In these cases, there will be floor noise (hissing or buzzing at low levels) when the level matching circuit is connected. Change to the RCA connections to eliminate this noise.

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
CONNECT TO RADIO WITH LOW LEVEL OUTPUT:
- WHITE/BLACK - LF SPEAKER
- GRAY - RF SPEAKER
- GREEN/BLACK - LR SPEAKER
- GREEN - RR SPEAKER
- PURPLE/BLACK - RR SPEAKER

CONNECT TO RADIO WITH HIGH LEVEL OUTPUT:
- 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 (-)
- YELLOW/BLACK - FOOT BRAKE
- BROWN (NOT CONNECTED)

STEP 2
FACTORY RADIO HARNESS

STEP 3
ORDII CONNECTOR
- BROWN/RED - CANH
- BROWN/YELLOW - CANL
- TAN/BLACK
- TAN

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

STEP 4
CONNECT TO AFTERMARKET RADIO

STEP 5
SEE RADIO WIRE REFERENCE CHART FOR RADIO WIRE COLORS

OR
CONNECT TO RADIO WITH LOW LEVEL OUTPUT:
- 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 (+)
- PURPLE - RR SPEAKER (+)
- BLACK (NOT CONNECTED)

OR
CONNECT TO RADIO WITH HIGH LEVEL OUTPUT:
WIRING DIAGRAM without an Amplifier

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 (-)
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PURPLE/WHITE - REVERSE LIGHT (+)
PINK - VEHICLE SPEED
YELLOW/BLACK - FOOT BRAKE
BROWN (NOT CONNECTED)

STEP 2
FACTORY RADIO HARNESS

STEP 3
OBDII CONNECTOR

BROWN/RED - CANH
BROWN/BLACK - CANL
BROWN/YELLOW - CANL
TAN/BLACK

STEP 4
CONNECT TO AFTERMARKET RADIO

STEP 5
MAESTRO RR MODULE

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

WIRING DIAGRAM without an Amplifier

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FACTORY RADIO HARNESS

STEP 2

STEP 3
OBDII CONNECTOR

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BROWN/YELLOW - CANL
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STEP 4
CONNECT TO AFTERMARKET RADIO

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FACTORY RADIO HARNESS

STEP 2

STEP 3
OBDII CONNECTOR

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BROWN/BLACK - CANL
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TAN/BLACK

STEP 4
CONNECT TO AFTERMARKET RADIO

STEP 5
MAESTRO RR MODULE

NOTE: PIN SIDE VIEW.
CONNECT TO TWISTED WIRES BEHIND CONNECTOR.
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<td>Illumination (+)</td>
<td>Orange</td>
<td>N/A</td>
<td>Orange/White</td>
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<td>Orange/White</td>
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<tr>
<td>Reverse Light (+)</td>
<td>Purple/White</td>
<td>Orange/White</td>
<td>Purple/White</td>
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<td>Purple/White</td>
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<tr>
<td>E-Brake (-)</td>
<td>Lt Green</td>
<td>Yellow/Blue</td>
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<td>Lt Green</td>
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<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>
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<td>Pink</td>
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INSTALL GUIDE
BUICK LUCERNE
2006-2011

RETAILS STEERING WHEEL CONTROLS, ONSTAR, BLUETOOTH, XM SATELLITE AND MORE!

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- Connect all the harnesses to the Maestro RR module then proceed to module setup.

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Reassemble the dashboard carefully.

**AMPLIFIER ONLY**

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CONNECT TO RADIO WITH LOW LEVEL OUTPUT:
- 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 (-)

**STEP 2**
FACTORY RADIO HARNESS

**STEP 3**
ORDI CONNECTOR
- BROWN/RED - CANH
- BROWN/YELLOW - CANL
- TAN/BLACK

**STEP 4**
CONNECT TO RADIO WITH HIGH LEVEL OUTPUT:
- WHITE - LF SPEAKER (+)
- WHITE/BLACK - LF SPEAKER (-)
- GRAY - RF SPEAKER (+)
- GRAY/BLACK - RF SPEAKER (-)
- GREEN - LR SPEAKER (+)
- GREEN/BLACK - LR SPEAKER (-)
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- PURPLE/BLACK - RR SPEAKER (-)
- BLUE/WHITE - AMP TURN ON (+)
- BLACK - GROUND
- RED - ACCESSORY (+)
- YELLOW - 12V (+)
- ORANGE - ILLUMINATION (+)
- PINK - VEHICLE SPEED
- LTGREEN - E-BRAKE (-)
- YELLOW/BLACK - FOOT BRAKE
- BROWN (NOT CONNECTED)

**STEP 5**
SPEAKER

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

NOTE: SEE RADIO WIRE REFERENCE CHART FOR RADIO WIRE COLORS

CONNECT TO AFTERMARKET RADIO

STEP 4

CONNECT TO RADIO WITH HIGH LEVEL OUTPUT:
- WHITE - LF SPEAKER (+)
- WHITE/BLACK - LF SPEAKER (-)
- GRAY - RF SPEAKER (+)
- GRAY/BLACK - RF SPEAKER (-)
- GREEN - LR SPEAKER (+)
- GREEN/BLACK - LR SPEAKER (-)
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- RED - ACCESSORY (+)
- YELLOW - 12V (+)
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- PINK - VEHICLE SPEED
- LTGREEN - E-BRAKE (-)
- YELLOW/BLACK - FOOT BRAKE
- BROWN (NOT CONNECTED)

GMS05+ T-HARNESS
FACTORY RADIO HARNESS
WIRING DIAGRAM with an Amplifier

STEP 3
ORDI CONNECTOR
- BROWN/RED - CANH
- BROWN/YELLOW - CANL
- TAN/BLACK

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

NOTE: SEE RADIO WIRE REFERENCE CHART FOR RADIO WIRE COLORS

CONNECT TO AFTERMARKET RADIO

STEP 4

CONNECT TO RADIO WITH HIGH LEVEL OUTPUT:
- WHITE - LF SPEAKER (+)
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STEP 5
SPEAKER

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

NOTE: SEE RADIO WIRE REFERENCE CHART FOR RADIO WIRE COLORS

CONNECT TO AFTERMARKET RADIO
WIRING DIAGRAM without an Amplifier

STEP 1
CUT AND REMOVE THE SPEAKER WIRE JUNCTION CONNECTORS

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

STEP 2
FACTORY RADIO HARNESS

- TAN/BLACK
- TAN/BLACK
- TAN
- TAN

STEP 3
OBDII CONNECTOR

- BROWN/RED - CANH
- BROWN/YELLOW - CANL
- TAN/BLACK
- BROWN/BLACK

STEP 4
CONNECT TO AFTERMARKET RADIO

MAIN HARNESS

 Буду рад помочь! Могу предоставить вам текст или пересказать информацию из изображения. К сожалению, я не могу редактировать изображения или визуальные данные. Если у вас есть вопросы на основе этого изображения, я с радостью помогу вам. Опишите мне, что именно вам нужно, и я尽力而为。
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<td>VSS [vehicle speed sensor]</td>
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INSTLL GUIDE
CADILLAC DTS
2006-2011
RETAINS STEERING WHEEL CONTROLS, ONSTAR, BLUETOOTH, XM SATELLITE AND MORE!

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- Unbox the aftermarket radio and locate its main harness.
- Connect the wires shown on the next page from aftermarket radio main harness to the GM5+ T-harness and match the wire functions.

**STEP 2**
- Connect the factory harness to the GM5+ T-harness.

**STEP 3**
- Access the OBDII connector located under the driver side dashboard.
- Connect the BROWN /RED wire of the GM5+ T-harness to the wire located at pin 6 of the OBDII connector. (See the vehicle wire chart reference for wire colors)
- Connect the BROWN /YELLOW wire of the GM5+ T-harness to the wire located at pin 14 of the OBDII connector. (See the vehicle wire chart reference for wire colors)

**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.

**STEP 5**
- Connect all the harnesses to the Maestro RR module then proceed to module setup.

The module is now ready to be used.
Insert the aftermarket radio in the dashboard housing and test all the functionalities.
Reassemble the dashboard carefully.

**AMPLIFIER ONLY**
**DETERMINE IF YOU SHOULD USE RCA’S OR LEVEL MATCHING CIRCUITS**

- If your vehicle is equipped with a factory amplifier you can connect the RCA wiring to the low level outputs of your aftermarket radio, or connect the level matching circuits to the speaker outputs of the aftermarket radio.
- If your aftermarket radio does not have low level outputs, has only a single RCA output, or the RCA output level is 2 volts or less then it is recommended to connect the level matching circuit to the speaker outputs. If the volume does not go loud enough using the RCA connections, the level matching circuits can be used.
- The internal amplifier in some radios is not compatible with the level matching circuit. In these cases, there will be floor noise (hissing or buzzing at low levels) when the level matching circuit is connected. Change to the RCA connections to eliminate this noise.

**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
CONNECT TO RADIO WITH LOW LEVEL OUTPUT:
- WHITE/BLACK - LF SPEAKER
- WHITE - RF SPEAKER
- GRAY/BLACK - LR SPEAKER
- GRAY - RR SPEAKER
- GREEN/BLACK - LF SPEAKER
- GREEN - RF SPEAKER
- BLACK - LR SPEAKER
- PURPLE/BLACK - RR SPEAKER

CONNECT TO RADIO WITH HIGH LEVEL OUTPUT:
- WHITE - LF SPEAKER (+)
- WHITE/BLACK - LF SPEAKER (-)
- GRAY - RF SPEAKER (+)
- GRAY/BLACK - RF SPEAKER (-)
- GREEN - LR SPEAKER (+)
- GREEN/BLACK - LR SPEAKER (-)
- PURPLE - RR SPEAKER (+)
- PURPLE/BLACK - RR SPEAKER (-)
- BLUE/WHITE - AMP. TURN ON (+)
- BLUE - GROUND
- WHITE - 12V (+)
- BLACK - GROUND
- ORANGE - ILLUMINATION (+)
- ORANGE/BLACK - ILLUMINATION (-)
- PURPLE/WHITE - REVERSE LIGHT (+)
- LT GREEN - E-BRAKE (-)
- BLACK - GROUND
- TAN/BLACK
- TAN
- BROWN (NOT CONNECTED)

STEP 2
FACTORY RADIO HARNESS

STEP 3
ORIRD CONNECTOR

STEP 4
CONNECT TO AFTERMARKET RADIO

STEP 5
CONNECT TO AFTERMARKET RADIO

WIRING DIAGRAM with an Amplifier

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

GMS05+ T-HARNESS

SEE RADIO WIRE REFERENCE CHART FOR RADIO WIRE COLORS

CONNECT TO TWISTED WIRES BEHIND CONNECTOR.

WHITE
WHITE/BLACK
GRAY
GRAY/BLACK
GREEN
GREEN/BLACK
PURPLE
PURPLE/BLACK
WHITE - LF SPEAKER (+)
WHITE/BLACK - LF SPEAKER (-)
GRAY - RF SPEAKER (+)
GRAY/BLACK - RF SPEAKER (-)
GREEN - LR SPEAKER (+)
GREEN/BLACK - LR SPEAKER (-)
PURPLE - RR SPEAKER (+)
PURPLE/BLACK - RR SPEAKER (-)
BLUE/WHITE - AMP. TURN ON (+)
BLUE - GROUND
WHITE - 12V (+)
BLACK - GROUND
ORANGE - ILLUMINATION (+)
ORANGE/BLACK - ILLUMINATION (-)
PURPLE/WHITE - REVERSE LIGHT (+)
LT GREEN - E-BRAKE (-)
BLACK - GROUND
TAN/BLACK
TAN
BROWN (NOT CONNECTED)
WIRING DIAGRAM without an Amplifier

**STEP 1**

- Cut and remove the speaker wire junction connectors.

**STEP 2**

- Factory Radio Harness wires from vehicle.

**STEP 3**

- GMS05+ T-Harness.

**STEP 4**

- Main Harness.

**STEP 5**

- Connect to Aftermarket Radio.

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

**Steps:**
- **STEP 1:** Cut and remove the speaker wire junction connectors.
- **STEP 2:** Factory Radio Harness wires from vehicle.
- **STEP 3:** GMS05+ T-Harness.
- **STEP 4:** Connect to Aftermarket Radio.
- **STEP 5:** Connect to twisted wires behind connector.
## 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
CADILLAC ESCALADE
2007-2011

RETAILS STEERING WHEEL CONTROLS, ONSTAR, BLUETOOTH, XM SATELLITE AND MORE!

PRODUCTS REQUIRED
iDatalink Maestro RR Radio Replacement Interface
iDatalink Maestro GM5+ Installation Harness

OPTIONAL ACCESSORIES
None

PROGRAMMED Firmware
ADS-RR(SR)-GMS05-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.

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NEED HELP?

1 866 427-2999

support@idatalink.com

maestro.idatalink.com/support

www.12voltdata.com/forum
BEFORE INSTALLING

STEP 1

DETERMINE IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

METHOD 1: Look for the following logos in the vehicle. They are usually on the speaker covers or on the radio unit. If you find any of the following logos Bose, Pioneer or Monsoon, you have a factory amplifier.

METHOD 2: Look for the following sticker in the glove box. This sticker will indicate all the Regular Production Option (RPO) codes. If you find any of the following codes UQA, UQS or UQG, you have a factory amplifier.

STEP 2

IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram with an amplifier and read the “AMPLIFIER ONLY” note to determine if you should use rca’s or level matching circuits.

IF YOUR VEHICLE NOT IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram without an amplifier.
**INSTALLATION INSTRUCTIONS**

**STEP 1**
- Unbox the aftermarket radio and locate its main harness.
- Connect the wires shown on the next page from aftermarket radio main harness to the GM5+ T-harness and match the wire functions.

**STEP 2**
- Connect the factory harness to the GM5+ T-harness.

**STEP 3**
- Access the OBDII connector located under the driver side dashboard.
- Connect the BROWN /RED wire of the GM5+ T-harness to the wire located at pin 6 of the OBDII connector. (See the vehicle wire chart reference for wire colors)
- Connect the BROWN /YELLOW wire of the GM5+ T-harness to the wire located at pin 14 of the OBDII connector. (See the vehicle wire chart reference for wire colors)

**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.

**STEP 5**
- Connect all the harnesses to the Maestro RR module then proceed to module setup.

The module is now ready to be used.
Insert the aftermarket radio in the dashboard housing and test all the functionalities.
Reassemble the dashboard carefully.

**AMPLIFIER ONLY**
**DETERMINE IF YOU SHOULD USE RCA’S OR LEVEL MATCHING CIRCUITS**
- If your vehicle is equipped with a factory amplifier you can connect the RCA wiring to the low level outputs of your aftermarket radio, or connect the level matching circuits to the speaker outputs of the aftermarket radio.
- If your aftermarket radio does not have low level outputs, has only a single RCA output, or the RCA output level is 2 volts or less then it is recommended to connect the level matching circuit to the speaker outputs. If the volume does not go loud enough using the RCA connections, the level matching circuits can be used.
- The internal amplifier in some radios is not compatible with the level matching circuit. In these cases, there will be floor noise (hissing or buzzing at low levels) when the level matching circuit is connected. Change to the RCA connections to eliminate this noise.

**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
CONNECT TO RADIO WITH LOW LEVEL OUTPUT:
- 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 (-)

STEP 2
FACTORY RADIO HARNESS

STEP 3
ORDBI CONNECTOR
- BROWN/RED - CANH
- BROWN/YELLOW - CANL
- TAN/BLACK
- TAN

STEP 4
CONNECT TO RCA CABLES
- WIRES FROM VEHICLE
- MAIN HARNESS
- RCA CABLES
- AUDIO CABLES
- SPEAKER

STEP 5
MAESTRO RR MODULE
- NOTE: PIN SIDE VIEW. CONNECT TO TWISTED WIRES BEHIND CONNECTOR.
- SEE RADIO WIRE REFERENCE CHART FOR RADIO WIRE COLORS
- AUDIO CABLE

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

OR
CONNECT TO RADIO WITH HIGH LEVEL OUTPUT:
- 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 (+)
- RED - ACCESSORY (+)
- ORANGE - ILLUMINATION (+)
- PURPLE/WHITE - REVERSE LIGHT (+)
- LTGREEN - E-BRAKE (-)
- YELLOW/BLACK - FOOT BRAKE
- YELLOW - 12V (+)
- BLACK - GROUND
- RED - ACCESSORY (+)
- BLUE/WHITE - AMP. TURN ON (+)
- PURPLE - RR SPEAKER (+)
- PINK - VEHICLE SPEED
- ORANGE - ILLUMINATION (+)
- GREEN - LR SPEAKER (+)
- GREEN/BLACK - LR SPEAKER (-)
- TAN/BLACK
- TAN
- 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 (+)
- RED - ACCESSORY (+)
- ORANGE - ILLUMINATION (+)
- PURPLE/WHITE - REVERSE LIGHT (+)
- LTGREEN - E-BRAKE (-)
- YELLOW/BLACK - FOOT BRAKE
- YELLOW - 12V (+)
- BLACK - GROUND
- RED - ACCESSORY (+)
- BLUE/WHITE - AMP. TURN ON (+)
- PURPLE - RR SPEAKER (+)
- PINK - VEHICLE SPEED
- ORANGE - ILLUMINATION (+)
- GREEN - LR SPEAKER (+)
- GREEN/BLACK - LR SPEAKER (-)
- TAN/BLACK
- TAN
- 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 (+)
- RED - ACCESSORY (+)
- ORANGE - ILLUMINATION (+)
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- YELLOW/BLACK - FOOT BRAKE
- YELLOW - 12V (+)
- BLACK - GROUND
- RED - ACCESSORY (+)
- BLUE/WHITE - AMP. TURN ON (+)
- PURPLE - RR SPEAKER (+)
- PINK - VEHICLE SPEED
- ORANGE - ILLUMINATION (+)
- GREEN - LR SPEAKER (+)
- GREEN/BLACK - LR SPEAKER (-)
- TAN/BLACK
- TAN
- 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 (+)
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- YELLOW - 12V (+)
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- RED - ACCESSORY (+)
- BLUE/WHITE - AMP. TURN ON (+)
- PURPLE - RR SPEAKER (+)
- PINK - VEHICLE SPEED
- ORANGE - ILLUMINATION (+)
- GREEN - LR SPEAKER (+)
- GREEN/BLACK - LR SPEAKER (-)
- TAN/BLACK
- TAN
- WHITE - LF SPEAKER (+)
- WHITE/BLACK - LF SPEAKER (-)
- GRAY - RF SPEAKER (+)
- GRAY/BLACK - RF SPEAKER (-)
- GREEN - LR SPEAKER (+)
- GREEN/BLACK - LR SPEAKER (-)
- PURPLE - RR SPEAKER (+)
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- PINK - VEHICLE SPEED
- ORANGE - ILLUMINATION (+)
- GREEN - LR SPEAKER (+)
- GREEN/BLACK - LR SPEAKER (-)
- TAN/BLACK
- TAN
- 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 (+)
- RED - ACCESSORY (+)
- ORANGE - ILLUMINATION (+)
- PURPLE/WHITE - REVERSE LIGHT (+)
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- PURPLE - RR SPEAKER (+)
- PINK - VEHICLE SPEED
- ORANGE - ILLUMINATION (+)
- GREEN - LR SPEAKER (+)
- GREEN/BLACK - LR SPEAKER (-)
- TAN/BLACK
- TAN
- 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 (-)
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- ORANGE - ILLUMINATION (+)
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- BLACK - GROUND
- RED - ACCESSORY (+)
- BLUE/WHITE - AMP. TURN ON (+)
- PURPLE - RR SPEAKER (+)
- PINK - VEHICLE SPEED
- ORANGE - ILLUMINATION (+)
- GREEN - LR SPEAKER (+)
WIRING DIAGRAM without an Amplifier

**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 (-)
- YELLOW/BLACK - FOOT BRAKE
- BROWN (NOT CONNECTED)

**STEP 2**
FACTORY RADIO HARNESS

**STEP 3**
OBDII CONNECTOR

- BROWN/RED - CANH
- BROWN/YELLOW - CANL
- TAN/BLACK
- TAN

**STEP 4**
MAIN HARNESS

CONNECT TO AFTERMARKET RADIO

BACKUP CAM

BRA CABLES

WIRES FROM VEHICLE

DATA CABLE

AUDIO CABLES

SPEAKER

MAESTRO RR MODULE

**STEP 5**
NOTE: PIN SIDE VIEW
CONNECT TO TWISTED WIRES BEHIND CONNECTOR.
## RADIO WIRE REFERENCE CHART

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<th>Wire Color on Pioneer cable</th>
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<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

**Cadillac Escalade with NAV 2012-2014**

Retains steering wheel controls, Onstar, Bluetooth, XM Satellite and more!

---

**Products Required**
- iDatalink Maestro RR Radio Replacement Interface
- iDatalink Maestro GM5+ Installation Harness

**Optional Accessories**
- None

**Programmed Firmware**
- ADS-RR(SR)-GMS05-DS

---

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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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BEFORE INSTALLING

**STEP 1**

**DETERMINE IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:**

**METHOD 1:** Look for the following logos in the vehicle. They are usually on the speaker covers or on the radio unit. If you find any of the following logos Bose, Pioneer or Monsoon, you have a factory amplifier.

**METHOD 2:** Look for the following sticker in the glove box. This sticker will indicate all the Regular Production Option (RPO) codes. If you find any of the following codes UQA, UQS or UQG, you have a factory amplifier.

**STEP 2**

**IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:**

Follow the installation instructions and complete the installation as shown in the wiring diagram with an amplifier and read the “AMPLIFIER ONLY” note to determine if you should use RCA’s or level matching circuits.

**IF YOUR VEHICLE NOT IS EQUIPPED WITH A FACTORY AMPLIFIER:**

Follow the installation instructions and complete the installation as shown in the wiring diagram without an amplifier.
INSTALLATION INSTRUCTIONS

STEP 1
- Unbox the aftermarket radio and locate its main harness.
- Connect the wires shown on the next page from aftermarket radio main harness to the GM2 T-harness and match the wire functions.
- Remove the factory radio.

STEP 2
- Connect the GREEN male 2 pin connector of the backup camera cable to the GREEN female connector of the backup camera adapter. Connect GRAY connector of adapter to the vehicle backup camera harness.

STEP 3
- Connect the factory harness to the GM2 T-harness. Ensure that the RED 2 pin plugs are connected.

STEP 4
- Plug the OBDII connector into the OBDII of the vehicle, under driver dash.

STEP 5
- Plug the aftermarket radio harnesses into the aftermarket radio.
- Connect the backup camera RCA cable 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 6
- Connect all the harnesses to the Maestro RR module then 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 with an Amplifier

STEP 1
- WHITE - LF SPEAKER (+)
- WHITE/BLACK - LF SPEAKER (-)
- GRAY - RF SPEAKER (+)
- GRAY/BLACK - RF SPEAKER (-)
- GREEN/BK - 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
- BROWN (NOT CONNECTED)

STEP 2
- GREEN - GREEN

STEP 3
- FACTORY RADIO HARNESS
  - RED - RED

STEP 4
- OBDII CONNECTOR
  - GREEN - NOT CONNECTED

STEP 5
- MAIN HARNESS
- BACKUP CAM
- RCA CABLE
- DATA CABLE
- AUDIO CABLE

STEP 6
- SPEAKER
- MAESTRO RR MODULE
- OMA 2 HARNESS

Connect to aftermarket radio and see radio wire reference chart for radio wire colors.
WIRING DIAGRAM without an Amplifier

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

**STEP 2**
BACKUP CAMERA HARNESS
GREEN AND GREEN

**STEP 3**
FACTORY RADIO HARNESS
RED AND RED

**STEP 4**
GM3 HARNESS
GREEN NOT CONNECTED

**STEP 5**
CONNECT TO AFTERMARKET RADIO

**STEP 6**
AUDI CABLE
DATA CABLE
RCA CABLE
BACKUP CAM

WIRING DIAGRAMS:
- FACTORY RADIO HARNESS
- BACKUP CAMERA HARNESS
- GM3 HARNESS
- OBDII CONNECTOR

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 (-)
-YELLOW/BLACK - FOOT BRAKE
-RED - ACCESSORY (+)
-BLUE/WHITE - AMP. TURN ON (+)
-PURPLE/BLACK - RR SPEAKER (-)
-YELLOW/BLACK - FOOT BRAKE
-BROWN (NOT CONNECTED)

SEE RADIO WIRE REFERENCE CHART FOR RADIO WIRE COLORS
CUT AND REMOVE THE SPEAKER WIRE JUNCTION CONNECTORS

SEE RADIO WIRE REFERENCE CHART FOR RADIO WIRE COLORS

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

**STEP 2**
BACKUP CAMERA HARNESS
GREEN AND GREEN

**STEP 3**
FACTORY RADIO HARNESS
RED AND RED

**STEP 4**
OBDII CONNECTOR
GREEN NOT CONNECTED

**STEP 5**
CONNECT TO AFTERMARKET RADIO

**STEP 6**
SPEAKER
### 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

CADILLAC ESCALADE WITHOUT NAV 2012-2014

RETAINS STEERING WHEEL CONTROLS, ONSTAR, BLUETOOTH, XM SATELLITE AND MORE!

PRODUCTS REQUIRED
- iDatalink Maestro RR Radio Replacement Interface
- iDatalink Maestro GM5+ Installation Harness

OPTIONAL ACCESSORIES
- None

PROGRAMMED Firmware
- ADS-RR(SR)-GMS05-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.

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<td>Wiring Diagram without an Amplifier</td>
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<tr>
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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
BEFORE INSTALLING

**STEP 1**

DETERMINE IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

**METHOD 1:** Look for the following logos in the vehicle. They are usually on the speaker covers or on the radio unit. If you find any of the following logos Bose, Pioneer or Monsoon, you have a factory amplifier.

**METHOD 2:** Look for the following sticker in the glove box. This sticker will indicate all the Regular Production Option (RPO) codes. If you find any of the following codes UQA, UQS or UQG, you have a factory amplifier.

**STEP 2**

IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram with an amplifier and read the "AMPLIFIER ONLY" note to determine if you should use RCA’s or level matching circuits.

IF YOUR VEHICLE NOT IS EQUIPPED WITH A FACTORY AMPLIFIER:

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

SERVICE PARTS IDENTIFICATION DO NOT REMOVE

2GCEK19N031344764 143 SFWH2Q CKI5753

AG1 AG2 A11 AL0 AN7 AN3 AQ0 A31 B30 B4U
B58 B61 B62 C33 C49 C7H D5 S D7 F K7 D3 D4 D5
EVA 89E FFS FF9 GT5 G60 JCA KIC4 KNP KJP K34
KAY K28 K28 M32 NCI NEI NPS UQA UQX UQZ
UFI3 UF0 V42 VT1 V93 V73 X85 X08 Y26 Y60
Y5S ZDC ZY1 Z80 Z82 Y89 Y91 692

BC/CC U 8855 692
INSTALLATION INSTRUCTIONS

STEP 1
• Unbox the aftermarket radio and locate its main harness.
• Connect the wires shown on the next page from aftermarket radio main harness to the GM5+ T-harness and match the wire functions.

STEP 2
• Connect the factory harness to the GM5+ T-harness.

STEP 3
• Access the OBDII connector located under the driver side dashboard.
• Connect the BROWN/RED wire of the GM5+ T-harness to the wire located at pin 6 of the OBDII connector. (See the vehicle wire chart reference for wire colors)
• Connect the BROWN/YELLOW wire of the GM5+ T-harness to the wire located at pin 14 of the OBDII connector. (See the vehicle wire chart reference for wire colors)

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.

STEP 5
• Connect all the harnesses to the Maestro RR module then proceed to module setup.

The module is now ready to be used.
Insert the aftermarket radio in the dashboard housing and test all the functionalities.
Reassemble the dashboard carefully.

AMPLIFIER ONLY
DETERMINE IF YOU SHOULD USE RCA’S OR LEVEL MATCHING CIRCUITS
• If your vehicle is equipped with a factory amplifier you can connect the RCA wiring to the low level outputs of your aftermarket radio, or connect the level matching circuits to the speaker outputs of the aftermarket radio.
• If your aftermarket radio does not have low level outputs, has only a single RCA output, or the RCA output level is 2 volts or less then it is recommended to connect the level matching circuit to the speaker outputs. If the volume does not go loud enough using the RCA connections, the level matching circuits can be used.
• The internal amplifier in some radios is not compatible with the level matching circuit. In these cases, there will be floor noise (hissing or buzzing at low levels) when the level matching circuit is connected. Change to the RCA connections to eliminate this noise.

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
CONNECT TO RADIO WITH LOW LEVEL OUTPUT:
- 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 (-)
- TAN/BROWN - TAN/BLACK - TAN

STEP 2
CONNECT TO RADIO WITH HIGH LEVEL OUTPUT:
- 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 (+)
- RED - 12V (+)
- LTF - LTGREEN - E-BRAKE (-)
- ORANGE - REVERSE LIGHT (+)
- TAN - FOOT BRAKE
- TAN/BLACK - TAN/BROWN - TAN

STEP 3
OBDII CONNECTOR
- BROWN/RED - CANH
- BROWN/YELLOW - CANL
- TAN/BROWN - TAN

STEP 4
CONNECT TO RADIO WITH LOW LEVEL OUTPUT:
- CENTER - T-connect to aftermarket radio
- SUB - T-connect to aftermarket radio
- BACKUP CAM - T-connect to aftermarket radio

STEP 5
- SEE RADIO WIRE REFERENCE CHART FOR RADIO WIRE COLORS
- FACTORY RADIO HARNESS
- WIRES FROM VEHICLE
- AUDIO CABLE
- DATA CABLE

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

OR
CONNECT TO RADIO WITH LOW LEVEL OUTPUT:
- CONNECT TO RADIO WITH HIGH LEVEL OUTPUT:
- OR
- CONNECT TO RADIO WITH LOW LEVEL OUTPUT:
- OR
- CONNECT TO RADIO WITH HIGH LEVEL OUTPUT:
WIRING DIAGRAM without an Amplifier

**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 (-)
- YELLOW/BLACK - FOOT BRAKE

**STEP 2**

FACTORY RADIO HARNESS

**STEP 3**

OBDDII CONNECTOR

- BROWN/RED - CANH
- BROWN/YELLOW - CANL
- TAN/BLACK

**STEP 4**

CONNECT TO AFTERMARKET RADIO

- BACKUP CAM
- RCA CABLES

**STEP 5**

WIRING DIAGONAL with an Amplifier

- CUT AND REMOVE THE SPEAKER WIRE JUNCTION CONNECTORS
- SEE RADIO WIRE REFERENCE CHART FOR RADIO WIRE COLORS
- NOTE: PIN SIDE VIEW. CONNECT TO TWISTED WIRES BEHIND CONNECTOR.
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<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>
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<td>(+)</td>
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<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

CHEVROLET AVALANCHE

2007-2011

RETAINS STEERING WHEEL CONTROLS, ONSTAR, BLUETOOTH, XM SATELLITE AND MORE!

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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.

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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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BEFORE INSTALLING

**STEP 1**

**DETERMINE IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:**

**METHOD 1:** Look for the following logos in the vehicle. They are usually on the speaker covers or on the radio unit. If you find any of the following logos Bose, Pioneer or Monsoon, you have a factory amplifier.

**METHOD 2:** Look for the following sticker in the glove box. This sticker will indicate all the Regular Production Option (RPO) codes. If you find any of the following codes UQA, UQS or UQG, you have a factory amplifier.

**STEP 2**

**IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:**

Follow the installation instructions and complete the installation as shown in the wiring diagram with an amplifier and read the “AMPLIFIER ONLY” note to determine if you should use rca’s or level matching circuits.

**IF YOUR VEHICLE NOT IS EQUIPPED WITH A FACTORY AMPLIFIER:**

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

---

**SERVICE PARTS IDENTIFICATION**

<table>
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<td>143 5 FXWHQO</td>
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<td>AGI AG2 AJ1 AL0 AM7 AN3</td>
<td>AL0 AU3 A31 B30 B4U</td>
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<td>DF5 DK7 DL3 DT4 DT7</td>
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<td>JCA KC4 KNP KUP K34</td>
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<td>K47 K58 K61 L00 M32 N01 NEI</td>
<td>N03 N05 O03 O01 O05</td>
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<td>R48 R50 R52 SAF SLM TRB</td>
<td>UCE UQA U2K UF1</td>
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<td>UF3 UKO VR4 VTV VX3 V73</td>
<td>X53 X55 YD6 YE9</td>
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<tr>
<td>YSS ZDC ZYI Z80 Z82 155</td>
<td>157 48U 837 691 692</td>
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<tr>
<td>BC/CC U 8555 692</td>
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</tr>
</tbody>
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ADS-RRSRI-GM505-DS  
maestro.idatalink.com  
CHEVROLET AVALANCHE 2007-2011
INSTALLATION INSTRUCTIONS

STEP 1
• Unbox the aftermarket radio and locate its main harness.
• Connect the wires shown on the next page from aftermarket radio main harness to the GM5+ T-harness and match the wire functions.

STEP 2
• Connect the factory harness to the GM5+ T-harness.

STEP 3
• Access the OBDII connector located under the driver side dashboard.
• Connect the BROWN/RED wire of the GM5+ T-harness to the wire located at pin 6 of the OBDII connector. (See the vehicle wire chart reference for wire colors)
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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.

STEP 5
• Connect all the harnesses to the Maestro RR module then proceed to module setup.

The module is now ready to be used.

Insert the aftermarket radio in the dashboard housing and test all the functionalities.
Reassemble the dashboard carefully.

AMPLIFIER ONLY

DETERMINE IF YOU SHOULD USE RCA’S OR LEVEL MATCHING CIRCUITS

• If your vehicle is equipped with a factory amplifier you can connect the RCA wiring to the low level outputs of your aftermarket radio, or connect the level matching circuits to the speaker outputs of the aftermarket radio.
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WIRING DIAGRAM with an Amplifier

STEP 1
CONNECT TO RADIO WITH LOW LEVEL OUTPUT:
- WHITE - LF SPEAKER (+)
- WHITE/BLACK - LF SPEAKER (-)
- GRAY - RF SPEAKER (+)
- GRAY/BLACK - RF SPEAKER (-)
- GREEN - LR SPEAKER (+)
- GREEN/BLACK - LR SPEAKER (-)
- PURPLE - RR SPEAKER (+)
- BLACK - GROUND

CONNECT TO RADIO WITH HIGH LEVEL OUTPUT:
- BROWN - ACCESSORY (+)
- BROWN/YELLOW - CANH
- BROWN/RED - CANH
- TAN/BLACK - LF SPEAKER (+)
- TAN/BLACK - RF SPEAKER (+)
- TAN - GROUND
- 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 (+)
- PURPLE - RR SPEAKER (+)
- ORANGE - ILLUMINATION (+)
- PURPLE/WHITE - REVERSE LIGHT (+)
- LTGREEN - E-BRAKE (-)
- YELLOW/BLACK - FOOT BRAKE

STEP 2
FACTORY RADIO HARNESS

STEP 3
ORDII CONNECTOR
- BROWN/RED - CANH
- BROWN/BLACK - CANL
- BROWN/YELLOW - CANL
- TAN/BLACK

STEP 4
CONNECT TO AFTERMARKET RADIO

STEP 5
CONNECT TO RADIO WITH LOW LEVEL OUTPUT:
- WHITE - LF SPEAKER (+)
- WHITE/BLACK - LF SPEAKER (-)
- GRAY - RF SPEAKER (+)
- GRAY/BLACK - RF SPEAKER (-)
- GREEN - LR SPEAKER (+)
- GREEN/BLACK - LR SPEAKER (-)
- PURPLE - RR SPEAKER (+)
- BLACK - GROUND

CONNECT TO RADIO WITH HIGH LEVEL OUTPUT:
- BROWN - ACCESSORY (+)
- BROWN/YELLOW - CANH
- BROWN/RED - CANH
- TAN/BLACK - LF SPEAKER (+)
- TAN/BLACK - RF SPEAKER (+)
- TAN - GROUND
- 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 (+)
- PURPLE - RR SPEAKER (+)
- ORANGE - ILLUMINATION (+)
- PURPLE/WHITE - REVERSE LIGHT (+)
- LTGREEN - E-BRAKE (-)
- YELLOW/BLACK - FOOT BRAKE

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

SEE RADIO WIRE REFERENCE CHART FOR RADIO WIRE COLORS

CONNECT TO AFTERMARKET RADIO

MAESTRO RR MODULE
**WIRING DIAGRAM without an Amplifier**

**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**
Connect to the factory radio harness.

**STEP 3**
Cut and remove the speaker wire junction connectors.

**BROWN/RED** - CANH
**BROWN/YELLOW** - CANL
**TAN/BLACK**
**TAN/YELLOW** - CANL

**STEP 4**
Connect to the aftermarket radio.

**STEP 5**
Note: Pin side view. Connect to twisted wires behind connector.

**WIRING DIAGRAM without an Amplifier**

See radio wire reference chart for radio wire colors.

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)

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

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# INSTALL GUIDE

**CHEVROLET AVALANCHE WITH NAV 2012-2013**

RETAINS STEERING WHEEL CONTROLS, ONSTAR, BLUETOOTH, XM SATELLITE AND MORE!

---

**PRODUCTS REQUIRED**
- iDatalink Maestro RR Radio Replacement Interface
- iDatalink Maestro GM5+ Installation Harness

**OPTIONAL ACCESSORIES**
- None

**PROGRAMMED Firmware**
- ADS-RR(SR)-GMS05-DS

NOTICE: Automotive Data Solutions Inc. (ADS) recommends having this installation performed by a certified technician. Logos and trademarks used here 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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BEFORE INSTALLING

STEP 1

DETERMINE IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

METHOD 1: Look for the following logos in the vehicle. They are usually on the speaker covers or on the radio unit. If you find any of the following logos Bose, Pioneer or Monsoon, you have a factory amplifier.

METHOD 2: Look for the following sticker in the glove box. This sticker will indicate all the Regular Production Option (RPO) codes. If you find any of the following codes UQA, UQS or UQG, you have a factory amplifier.

STEP 2

IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram with an amplifier and read the “AMPLIFIER ONLY” note to determine if you should use RCA’s or level matching circuits.

IF YOUR VEHICLE NOT IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram without an amplifier.
INSTALLATION INSTRUCTIONS

STEP 1
• Unbox the aftermarket radio and locate its main harness.
• Connect the wires shown on the next page from aftermarket radio main harness to the GM5+ T-harness and match the wire functions.

STEP 2
• Connect the factory harness to the GM5+ T-harness.

STEP 3
• Access the OBDII connector located under the driver side dashboard.
• Connect the BROWN /RED wire of the GM5+ T-harness to the wire located at pin 6 of the OBDII connector. (See the vehicle wire chart reference for wire colors)
• Connect the BROWN /YELLOW wire of the GM5+ T-harness to the wire located at pin 14 of the OBDII connector. (See the vehicle wire chart reference for wire colors)

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.

STEP 5
• Connect all the harnesses to the Maestro RR module then proceed to module setup.

The module is now ready to be used.
Insert the aftermarket radio in the dashboard housing and test all the functionalities.
Reassemble the dashboard carefully.

AMPLIFIER ONLY

DETERMINE IF YOU SHOULD USE RCA’S OR LEVEL MATCHING CIRCUITS

• If your vehicle is equipped with a factory amplifier you can connect the RCA wiring to the low level outputs of your aftermarket radio, or connect the level matching circuits to the speaker outputs of the aftermarket radio.
• If your aftermarket radio does not have low level outputs, has only a single RCA output, or the RCA output level is 2 volts or less then it is recommended to connect the level matching circuit to the speaker outputs. If the volume does not go loud enough using the RCA connections, the level matching circuits can be used.
• The internal amplifier in some radios is not compatible with the level matching circuit. In these cases, there will be floor noise (hissing or buzzing at low levels) when the level matching circuit is connected. Change to the RCA connections to eliminate this noise.

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
CONNECT TO RADIO WITH LOW LEVEL OUTPUT:
- 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 (-)

CONNECT TO RADIO WITH HIGH LEVEL OUTPUT:
- WHITE - LF SPEAKER (+)
- WHITE/BLACK - LF SPEAKER (-)
- GRAY - RF SPEAKER (+)
- GRAY/BLACK - RF SPEAKER (-)
- GREEN - LR SPEAKER (+)
- GREEN/BLACK - LR SPEAKER (-)
- PURPLE - RR SPEAKER (+)
- PURPLE/BLACK - RR SPEAKER (-)
- BLUE/WHITE - AMP TURN ON (+)
- BLUE/BLACK - AMP TURN ON (-)
- RED - ACCESSORY (+)
- YELLOW - 12V (+)
- ORANGE - ILLUMINATION (+)
- PURPLE/WHITE - REVERSE LIGHT (+)
- LTGREEN - E-BRAKE (-)
- YELLOW/BLACK - FOOT BRAKE
- BROWN (NOT CONNECTED)

STEP 2
FACTORY RADIO HARNESS

STEP 3
ORDDI CONNECTOR
- BROWN/RED - CANH
- BROWN/BLACK - CANL
- TAN/BLACK
- TAN

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

STEP 4
CONNECT TO AFTERMARKET RADIO

STEP 5
CONNECT TO RADIO WITH LOW LEVEL OUTPUT:
- WHITE - LF SPEAKER (+)
- WHITE/BLACK - LF SPEAKER (-)
- GRAY - RF SPEAKER (+)
- GRAY/BLACK - RF SPEAKER (-)
- GREEN - LR SPEAKER (+)
- GREEN/BLACK - LR SPEAKER (-)
- PURPLE - RR SPEAKER (+)
- PURPLE/BLACK - RR SPEAKER (-)
- BLUE/WHITE - AMP TURN ON (+)
- BLUE/BLACK - AMP TURN ON (-)
- RED - ACCESSORY (+)
- YELLOW - 12V (+)
- ORANGE - ILLUMINATION (+)
- PURPLE/WHITE - REVERSE LIGHT (+)
- LTGREEN - E-BRAKE (-)
- YELLOW/BLACK - FOOT BRAKE
- BROWN (NOT CONNECTED)

SEE RADIO WIRE REFERENCE CHART FOR RADIO WIRE COLORS

OR
CONNECT TO RADIO WITH HIGH LEVEL OUTPUT:
- WHITE - LF SPEAKER (+)
- WHITE/BLACK - LF SPEAKER (-)
- GRAY - RF SPEAKER (+)
- GRAY/BLACK - RF SPEAKER (-)
- GREEN - LR SPEAKER (+)
- GREEN/BLACK - LR SPEAKER (-)
- PURPLE - RR SPEAKER (+)
- PURPLE/BLACK - RR SPEAKER (-)
- BLUE/WHITE - AMP TURN ON (+)
- BLUE/BLACK - AMP TURN ON (-)
- RED - ACCESSORY (+)
- YELLOW - 12V (+)
- ORANGE - ILLUMINATION (+)
- PURPLE/WHITE - REVERSE LIGHT (+)
- LTGREEN - E-BRAKE (-)
- YELLOW/BLACK - FOOT BRAKE
- BROWN (NOT CONNECTED)

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

SEE RADIO WIRE REFERENCE CHART FOR RADIO WIRE COLORS
WIRING DIAGRAM without an Amplifier

**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)
- 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**

FACTORY RADIO HARNESS

- WHITE - LF SPEAKER (+)
- WHITE/BLACK - LF SPEAKER (-)
- GRAY - RF SPEAKER (+)
- GRAY/BLACK - RF SPEAKER (-)
- GREEN - LR SPEAKER (+)
- GREEN/BLACK - LR SPEAKER (-)
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- 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 3**

OBDDII CONNECTOR

- BROWN/RED - CANH
- BROWN/YELLOW - CANL
- TAN/BLACK
- BROWN/YELLOW - CANL

**STEP 4**

MAESTRO RR MODULE

- BROWN (NOT CONNECTED)
- WHITE - LF SPEAKER (+)
- WHITE/BLACK - LF SPEAKER (-)
- GRAY - RF SPEAKER (+)
- GRAY/BLACK - RF SPEAKER (-)
- GREEN - LR SPEAKER (+)
- GREEN/BLACK - LR SPEAKER (-)
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- PURPLE/WHITE - REVERSE LIGHT (+)
- LTGREEN - E-BRAKE (-)
- YELLOW/BLACK - FOOT BRAKE
- BROWN (NOT CONNECTED)

**STEP 5**

SPEAKER

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

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

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INSTALL GUIDE

CHEVROLET AVALANCHE
WITHOUT NAV 2012-2013

RETAILS STEERING WHEEL CONTROLS, ONSTAR, BLUETOOTH, XM SATELLITE AND MORE!

PRODUCTS REQUIRED
iDatalink Maestro RR Radio Replacement Interface
iDatalink Maestro GM5+ Installation Harness

OPTIONAL ACCESSORIES
None

PROGRAMMED Firmware
ADS-RR(SR)-GMS05-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.

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NEED HELP?

1 866 427-2999

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maestro.idatalink.com/support
www.12voltdata.com/forum
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DETERMINE IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

**METHOD 1:** Look for the following logos in the vehicle. They are usually on the speaker covers or on the radio unit. If you find any of the following logos Bose, Pioneer or Monsoon, you have a factory amplifier.

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IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

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STEP 2
• Connect the factory harness to the GM5+ T-harness.

STEP 3
• Access the OBDII connector located under the driver side dashboard.
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• Connect the BROWN /YELLOW wire of the GM5+ T-harness to the wire located at pin 14 of the OBDII connector. (See the vehicle wire chart reference for wire colors)

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.

STEP 5
• Connect all the harnesses to the Maestro RR module then proceed to module setup.

The module is now ready to be used.
Insert the aftermarket radio in the dashboard housing and test all the functionalities.
Reassemble the dashboard carefully.

AMPLIFIER ONLY
DETERMINE IF YOU SHOULD USE RCA’S OR LEVEL MATCHING CIRCUITS

• If your vehicle is equipped with a factory amplifier you can connect the RCA wiring to the low level outputs of your aftermarket radio, or connect the level matching circuits to the speaker outputs of the aftermarket radio.
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INSTALL GUIDE
CHEVROLET EQUINOX
2007-2009

RETAINS STEERING WHEEL CONTROLS, ONSTAR, BLUETOOTH, XM SATELLITE AND MORE!

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• The internal amplifier in some radios is not compatible with the level matching circuit. In these cases, there will be floor noise [hissing or buzzing at low levels] when the level matching circuit is connected. Change to the RCA connections to eliminate this noise.

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• 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
CONNECT TO RADIO WITH LOW LEVEL OUTPUT:
- 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 (-)

CONNECT TO RADIO WITH HIGH LEVEL OUTPUT:
- 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
- BROWN (NOT CONNECTED)

STEP 2
FACTORY RADIO HARNESS

STEP 3
OBDDI CONNECTOR
- BROWN/RED - CANH
- BROWN/YELLOW - CANL
- TAN/BLACK

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

STEP 4
CONNECT TO AFTERMARKET RADIO

STEP 5
CONNECT TO RADIO WITH LOW LEVEL OUTPUT:
- 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 (-)

CONNECT TO RADIO WITH HIGH LEVEL OUTPUT:
- WHITE - LF SPEAKER (+)
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- GRAY - RF SPEAKER (+)
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- PURPLE - RR SPEAKER (+)
- PURPLE/BLACK - RR SPEAKER (-)
- BLUE/WHITE - AMP. TURN ON (+)
- BLACK - GROUND
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- PURPLE/WHITE - REVERSE LIGHT (+)
- LTGREEN - E-BRAKE (-)
- YELLOW/BLACK - FOOT BRAKE
- BROWN (NOT CONNECTED)

NOTE: PIN SIDE VIEW.
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- BLACK - GROUND
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- LTGREEN - E-BRAKE (-)
- YELLOW/BLACK - FOOT BRAKE
- BROWN (NOT CONNECTED)

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

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- PURPLE/WHITE - REVERSE LIGHT (+)
- LTGREEN - E-BRAKE (-)
- YELLOW/BLACK - FOOT BRAKE
- BROWN (NOT CONNECTED)

NOTE: PIN SIDE VIEW.
CONNECT TO TWISTED WIRES BEHIND CONNECTOR.
WIRING DIAGRAM without an Amplifier

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

- **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 (-)
- **YELLOW/BLACK - FOOT BRAKE
- **BROWN (NOT CONNECTED)

**STEP 2**
Factory radio harness.

**STEP 3**
OBDII connector.

- **BROWN/RED - CANH
- **BROWN/YELLOW - CANL
- **TAN/BLACK
- **TAN/BLACK
- **TAN

**STEP 4**
Main harness.

- **CONNECT TO AFTERMARKET RADIO
- **BCA CABLES
- **DATA CABLE
- **AUDO CABLES
- **SPEAKER
- **MAESTRO RR MODULE

**STEP 5**
Wires from vehicle.

- **BROWN/RED - CANH
- **BROWN/YELLOW - CANL

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

**STEP 6**
Backup cam.

**See radio wire reference chart for radio wire colors.**
### 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
CHEVROLET EXPRESS WITH NAV 2013-2017
RETAINS STEERING WHEEL CONTROLS, ONSTAR, BLUETOOTH, XM SATELLITE AND MORE!

PRODUCTS REQUIRED
- iDatalink Maestro RR Radio Replacement Interface
- iDatalink Maestro GM5+ Installation Harness

OPTIONAL ACCESSORIES
- None

PROGRAMMED Firmware
- ADS-RR(SR)-GMS05-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.

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<tr>
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<td>7</td>
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</tbody>
</table>

NEED HELP?

1 866 427-2999

support@idatalink.com

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

**STEP 1**
DETERMINE IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

**METHOD 1:** Look for the following logos in the vehicle. They are usually on the speaker covers or on the radio unit. If you find any of the following logos Bose, Pioneer or Monsoon, you have a factory amplifier.

**METHOD 2:** Look for the following sticker in the glove box. This sticker will indicate all the Regular Production Option (RPO) codes. If you find any of the following codes UQA, UQS or UQG, you have a factory amplifier.

**SERVICE PARTS IDENTIFICATION**

<table>
<thead>
<tr>
<th>2GCEK19N031344764</th>
<th>143 5 FXWH2Q</th>
<th>CK15753</th>
</tr>
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<tr>
<td>AG1</td>
<td>AG2</td>
<td>AJ1</td>
</tr>
<tr>
<td>B56</td>
<td>B61</td>
<td>B62</td>
</tr>
<tr>
<td>E6A</td>
<td>E93</td>
<td>FF6</td>
</tr>
<tr>
<td>L47</td>
<td>M6B</td>
<td>UQ8</td>
</tr>
<tr>
<td>R4Y</td>
<td>R5U</td>
<td>R62</td>
</tr>
<tr>
<td>UF3</td>
<td>UKG</td>
<td>VR4</td>
</tr>
<tr>
<td>Y5S</td>
<td>ZDC</td>
<td>ZY1</td>
</tr>
<tr>
<td>BC/CC</td>
<td>U</td>
<td>8555</td>
</tr>
</tbody>
</table>

**STEP 2**
IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **with an amplifier** and read the “AMPLIFIER ONLY” note to determine if you should use RCA’s or level matching circuits.

IF YOUR VEHICLE NOT IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **without an amplifier**.
INSTALLATION INSTRUCTIONS

STEP 1
• Unbox the aftermarket radio and locate its main harness.
• Connect the wires shown on the next page from aftermarket radio main harness to the GM2 T-harness and match the wire functions.
• Remove the factory radio.

STEP 2
• Connect the GREEN male 2 pin connector of the backup camera cable to the GREEN female connector of the backup camera adapter. Connect GRAY connector of adapter to the vehicle backup camera harness.

STEP 3
• Connect the factory harness to the GM2 T-harness. Ensure that the RED 2 pin plugs are connected.

STEP 4
• Plug the OBDII connector into the OBDII of the vehicle, under driver dash.

STEP 5
• Plug the aftermarket radio harnesses into the aftermarket radio.
• Connect the backup camera RCA cable 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 6
• Connect all the harnesses to the Maestro RR module then 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 with an Amplifier

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- 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 (+)
- BROWN (NOT CONNECTED)
- LTGREEN - E-BRAKE (-)
- YELLOW/BLACK - FOOT BRAKE
- PURPLE/WHITE - REVERSE LIGHT (+)
- PINK - VEHICLE SPEED
- GREEN/BLACK - FOOT BRAKE

**STEP 2**
- BACKUP CAMERA HARNESS
  - GREEN - GREEN

**STEP 3**
- FACTORY RADIO HARNESS
  - RED - RED

**STEP 4**
- OBDII CONNECTOR
  - GREEN - NOT CONNECTED

**STEP 5**
- MAIN HARNESS
- RCA CABLE
- AUDIO CABLE
- DATA CABLE
- CONNECT TO AFTERMARKET RADIO
  - WIRES FROM VEHICLE

**STEP 6**
- SPEAKER
- MAESTRO RR MODULE
- MAESTRO RR MODULE
- AUDIO CABLE
WIRING DIAGRAM without an Amplifier

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

**STEP 2**
Connect the backup camera harness.

**STEP 3**
Connect the factory radio harness.

**STEP 4**
Connect the OBDII connector.

**STEP 5**
Connect to the aftermarket radio.

**STEP 6**
Connect to the backup camera harness.

See radio wire reference chart for radio wire colors.
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INSTALL GUIDE

CHEVROLET EXPRESS
WITHOUT NAV 2008-2017

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💬 maestro.idatalink.com/support
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**STEP 2**

IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram with an amplifier and read the “AMPLIFIER ONLY” note to determine if you should use rca’s or level matching circuits.

IF YOUR VEHICLE NOT IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram without an amplifier.
INSTALLATION INSTRUCTIONS

STEP 1
- Unbox the aftermarket radio and locate its main harness.
- Connect the wires shown on the next page from aftermarket radio main harness to the GM5+ T-harness and match the wire functions.

STEP 2
- Connect the factory harness to the GM5+ T-harness.

STEP 3
- Access the OBDII connector located under the driver side dashboard.
- Connect the BROWN/RED wire of the GM5+ T-harness to the wire located at pin 6 of the OBDII connector. (See the vehicle wire chart reference for wire colors)
- Connect the BROWN/YELLOW wire of the GM5+ T-harness to the wire located at pin 14 of the OBDII connector. (See the vehicle wire chart reference for wire colors)

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.

STEP 5
- Connect all the harnesses to the Maestro RR module then proceed to module setup.

The module is now ready to be used.
Insert the aftermarket radio in the dashboard housing and test all the functionalities.
Reassemble the dashboard carefully.

AMPLIFIER ONLY
DETERMINE IF YOU SHOULD USE RCA’S OR LEVEL MATCHING CIRCUITS
- If your vehicle is equipped with a factory amplifier you can connect the RCA wiring to the low level outputs of your aftermarket radio, or connect the level matching circuits to the speaker outputs of the aftermarket radio.
- If your aftermarket radio does not have low level outputs, has only a single RCA output, or the RCA output level is 2 volts or less then it is recommended to connect the level matching circuit to the speaker outputs. If the volume does not go loud enough using the RCA connections, the level matching circuits can be used.
- The internal amplifier in some radios is not compatible with the level matching circuit. In these cases, there will be floor noise (hissing or buzzing at low levels) when the level matching circuit is connected. Change to the RCA connections to eliminate this noise.

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
CONNECT TO RADIO WITH LOW LEVEL OUTPUT:
- 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 (-)

CONNECT TO RADIO WITH HIGH LEVEL OUTPUT:
- 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 (-)
- YELLOW/BLACK - FOOT BRAKE
- BROWN (NOT CONNECTED)

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

STEP 2
FACTORY RADIO HARNESS

WIRES FROM VEHICLE

STEP 3
OBDII CONNECTOR

STEP 4
CONNECT TO AFTERMARKET RADIO

STEP 5
MAESTRO RR MODULE

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

BROWN/RED - CANH
BROWN/YELLOW - CANL
TAN/BLACK
TAN

SEE RADIO WIRE REFERENCE CHART FOR 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 (+)
PURPLE - RR SPEAKER (+)
BLACK - GROUND
RED - ACCESSORY (+)
YELLOW - 12V (+)
ORANGE - ILLUMINATION (+)
PURPLE/WHITE - REVERSE LIGHT (+)
LT GREEN - E-BRAKE (-)
YELLOW/BLACK - FOOT BRAKE
BROWN (NOT CONNECTED)

CONNECT TO RADIO WITH LOW LEVEL OUTPUT:
- 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 (-)

CONNECT TO RADIO WITH HIGH LEVEL OUTPUT:
- 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 (-)
- YELLOW/BLACK - FOOT BRAKE
- BROWN (NOT CONNECTED)
**WIRING DIAGRAM** without an Amplifier

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

**STEP 2**
Factory radio harness.

**STEP 3**
OBDII connector.

**STEP 4**
Connect to main harness.

**STEP 5**
Connect to aftermarket radio.

- **Main Harness**
- **RCA Cables**
- **Backup Cam**
- **Factory Radio Harness**
- **Wires from Vehicle**
- **Data Cable**
- **Audio Cables**
- **Maestro RR Module**
- **Speaker**

**NOTES**
- 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
- Brown (not connected)

**Reference Chart**
See radio wire colors.

**Wiring Diagram without an Amplifier**
Cut and remove the speaker wire junction connectors.

- Brown/Red - CANH
- Brown/Yellow - CANL
- Tan/Black
- Brown/Yellow - CANL

**Note:** Pin side view. Connect to twisted wires behind connector.
# 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
CHEVROLET IMPALA
2006-2013

RETAILS STEERING WHEEL CONTROLS, ONSTAR, BLUETOOTH, XM SATELLITE AND MORE!

PRODUCTS REQUIRED
iDatalink Maestro RR Radio Replacement Interface
iDatalink Maestro GM5+ Installation Harness

OPTIONAL ACCESSORIES
None

PROGRAMMED Firmware
ADS-RR(SR)-GMS05-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

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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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BEFORE INSTALLING

**STEP 1**

**DETERMINE IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:**

**METHOD 1:** Look for the following logos in the vehicle. They are usually on the speaker covers or on the radio unit. If you find any of the following logos Bose, Pioneer or Monsoon, you have a factory amplifier.

**METHOD 2:** Look for the following sticker in the glove box. This sticker will indicate all the Regular Production Option (RPO) codes. If you find any of the following codes UQA, UQS or UQG, you have a factory amplifier.

**SERVICE PARTS IDENTIFICATION DO NOT REMOVE**

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<tr>
<th>2GCEK19N031344764</th>
<th>1435FXWHQ</th>
<th>CK15753</th>
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<td>AG2</td>
<td>AJ1</td>
</tr>
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<td>F93</td>
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<td>KG8</td>
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<td>RSU</td>
<td>RS6</td>
</tr>
<tr>
<td>UF3</td>
<td>UK0</td>
<td>VR4</td>
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<tr>
<td>YS5</td>
<td>ZDA</td>
<td>ZY1</td>
</tr>
<tr>
<td>BC/CC</td>
<td>U</td>
<td>8555</td>
</tr>
</tbody>
</table>

**STEP 2**

**IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:**

Follow the installation instructions and complete the installation as shown in the wiring diagram with an amplifier and read the “AMPLIFIER ONLY” note to determine if you should use RCA’s or level matching circuits.

**IF YOUR VEHICLE NOT IS EQUIPPED WITH A FACTORY AMPLIFIER:**

Follow the installation instructions and complete the installation as shown in the wiring diagram without an amplifier.
INSTALLATION INSTRUCTIONS

STEP 1
• Unbox the aftermarket radio and locate its main harness.
• Connect the wires shown on the next page from aftermarket radio main harness to the GM5+ T-harness and match the wire functions.

STEP 2
• Connect the factory harness to the GM5+ T-harness.

STEP 3
• Access the OBDII connector located under the driver side dashboard.
• Connect the BROWN/RED wire of the GM5+ T-harness to the wire located at pin 6 of the OBDII connector. (See the vehicle wire chart reference for wire colors)
• Connect the BROWN/YELLOW wire of the GM5+ T-harness to the wire located at pin 14 of the OBDII connector. (See the vehicle wire chart reference for wire colors)

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.

STEP 5
• Connect all the harnesses to the Maestro RR module then proceed to module setup.

The module is now ready to be used.
Insert the aftermarket radio in the dashboard housing and test all the functionalities.
Reassemble the dashboard carefully.

AMPLIFIER ONLY
DETERMINE IF YOU SHOULD USE RCA'S OR LEVEL MATCHING CIRCUITS
• If your vehicle is equipped with a factory amplifier you can connect the RCA wiring to the low level outputs of your aftermarket radio, or connect the level matching circuits to the speaker outputs of the aftermarket radio.
• If your aftermarket radio does not have low level outputs, has only a single RCA output, or the RCA output level is 2 volts or less then it is recommended to connect the level matching circuit to the speaker outputs. If the volume does not go loud enough using the RCA connections, the level matching circuits can be used.
• The internal amplifier in some radios is not compatible with the level matching circuit. In these cases, there will be floor noise (hissing or buzzing at low levels) when the level matching circuit is connected. Change to the RCA connections to eliminate this noise.

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**
CUT AND REMOVE THE SPEAKER WIRE JUNCTION CONNECTORS

**STEP 2**
FACTORY RADIO HARNESS

**STEP 3**
OBII CONNECTOR

**STEP 4**
BACKUP CAM

**STEP 5**
SPEAKER

---

- 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 (+)
- LIGRENE - E-BRAKE (-)
- PINK - VEHICLE SPEED
- YELLOW/BLACK - FOOT BRAKE
- BROWN (NOT CONNECTED)

---

- 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 (+)
- LIGRENE - E-BRAKE (-)
- PINK - VEHICLE SPEED
- YELLOW/BLACK - FOOT BRAKE
- BROWN (NOT CONNECTED)

---

- BROWN/RED - CANH
- BROWN/YELLOW - CANL
- TAN/BLACK
- TAN/BLACK
- TAN

---

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

---

SEE RADIO WIRE REFERENCE CHART FOR RADIO WIRE COLORS

---

CUT AND REMOVE THE SPEAKER WIRE JUNCTION CONNECTORS

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SEE RADIO WIRE REFERENCE CHART FOR RADIO WIRE COLORS

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NOTE: PIN SIDE VIEW. CONNECT TO TWISTED WIRES BEHIND CONNECTOR.
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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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INSTALL GUIDE
CHEVROLET MONTE CARLO
2006-2007
RETAINS STEERING WHEEL CONTROLS, ONSTAR, BLUETOOTH, XM SATELLITE AND MORE!

PRODUCTS REQUIRED
iDatalink Maestro RR Radio Replacement Interface
iDatalink Maestro GM5+ Installation Harness

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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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maestro.idatalink.com/support

www.12voltdata.com/forum

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**STEP 1**

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INSTALLATION INSTRUCTIONS

**STEP 1**
- Unbox the aftermarket radio and locate its main harness.
- Connect the wires shown on the next page from aftermarket radio main harness to the GM5+ T-harness and match the wire functions.

**STEP 2**
- Connect the factory harness to the GM5+ T-harness.

**STEP 3**
- Access the OBDII connector located under the driver side dashboard.
- Connect the BROWN /RED wire of the GM5+ T-harness to the wire located at pin 6 of the OBDII connector. (See the vehicle wire chart reference for wire colors)
- Connect the BROWN /YELLOW wire of the GM5+ T-harness to the wire located at pin 14 of the OBDII connector. (See the vehicle wire chart reference for wire colors)

**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.

**STEP 5**
- Connect all the harnesses to the Maestro RR module then proceed to module setup.

*The module is now ready to be used.*

Insert the aftermarket radio in the dashboard housing and test all the functionalities.

Reassemble the dashboard carefully.

**AMPLIFIER ONLY**

**DETERMINE IF YOU SHOULD USE RCA’S OR LEVEL MATCHING CIRCUITS**

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WIRING DIAGRAM with an Amplifier

STEP 1
CONNECT TO RADIO WITH LOW LEVEL OUTPUT:
- WHITE/BLACK - LF SPEAKER
- GRAY - RF SPEAKER
- GREEN/BLACK - LR SPEAKER
- PURPLE/BLACK - RR SPEAKER

CONNECT TO RADIO WITH HIGH LEVEL OUTPUT:
- 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
- BROWN (NOT CONNECTED)

STEP 2
FACTORY RADIO HARNESS

STEP 3
OBDII CONNECTOR

STEP 4
CONNECT TO AFTERMARKET RADIO

STEP 5
MAESTRO RR MODULE

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

WHITE
WHITE/BLACK
GRAY
GRAY/BLACK
GREEN
GREEN/BLACK
PURPLE
PURPLE/BLACK
LF SPEAKER
RF SPEAKER
LR SPEAKER
RR SPEAKER

BROWN/RED - CANH
BROWN/YELLOW - CANL
TAN/BLACK
TAN

SEE RADIO WIRE REFERENCE CHART FOR RADIO WIRE COLORS

WHITE - LF SPEAKER (+)
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GRAY/BLACK - RF SPEAKER (-)
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GREEN/BLACK - LR SPEAKER (-)
PURPLE - RR SPEAKER (+)
PURPLE/BLACK - RR SPEAKER (-)
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ORANGE - ILLUMINATION (+)
PURPLE/WHITE - REVERSE LIGHT (+)
LTGREEN - E-BRAKE (-)
YELLOW/BLACK - FOOT BRAKE
BROWN (NOT CONNECTED)

WIRING DIAGRAM with an Amplifier
WIRING DIAGRAM without an Amplifier

**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.
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<tbody>
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<td>Illumination (+)</td>
<td>Orange</td>
<td>N/A</td>
<td>Orange/White</td>
<td>Orange/White</td>
<td>Orange/White</td>
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<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>
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</tbody>
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INSTALL GUIDE
CHEVROLET SILVERADO 1500
2007-2011

RETAINS STEERING WHEEL CONTROLS, ONSTAR, BLUETOOTH, XM SATELLITE AND MORE!

PRODUCTS REQUIRED
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None

PROGRAMMED Firmware
ADS-RR(SR)-GMS05-DS

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BEFORE INSTALLING

**STEP 1**

DETERMINE IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

METHOD 1: Look for the following logos in the vehicle. They are usually on the speaker covers or on the radio unit. If you find any of the following logos Bose, Pioneer or Monsoon, you have a factory amplifier.

METHOD 2: Look for the following sticker in the glove box. This sticker will indicate all the Regular Production Option (RPO) codes. If you find any of the following codes UQA, UQS or UQG, you have a factory amplifier.

**STEP 2**

IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram with an amplifier and read the “AMPLIFIER ONLY” note to determine if you should use RCA’s or level matching circuits.

IF YOUR VEHICLE NOT IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram without an amplifier.
INSTALLATION INSTRUCTIONS

STEP 1
• Unbox the aftermarket radio and locate its main harness.
• Connect the wires shown on the next page from aftermarket radio main harness to the GM5+ T-harness and match the wire functions.

STEP 2
• Connect the factory harness to the GM5+ T-harness.

STEP 3
• Access the OBDII connector located under the driver side dashboard.
• Connect the BROWN /RED wire of the GM5+ T-harness to the wire located at pin 6 of the OBDII connector. (See the vehicle wire chart reference for wire colors)
• Connect the BROWN /YELLOW wire of the GM5+ T-harness to the wire located at pin 14 of the OBDII connector. (See the vehicle wire chart reference for wire colors)

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.

STEP 5
• Connect all the harnesses to the Maestro RR module then proceed to module setup.

The module is now ready to be used.
Insert the aftermarket radio in the dashboard housing and test all the functionalities.
Reassemble the dashboard carefully.

AMPLIFIER ONLY
DETERMINE IF YOU SHOULD USE RCA’S OR LEVEL MATCHING CIRCUITS

• If your vehicle is equipped with a factory amplifier you can connect the RCA wiring to the low level outputs of your aftermarket radio, or connect the level matching circuits to the speaker outputs of the aftermarket radio.
• If your aftermarket radio does not have low level outputs, has only a single RCA output, or the RCA output level is 2 volts or less then it is recommended to connect the level matching circuit to the speaker outputs. If the volume does not go loud enough using the RCA connections, the level matching circuits can be used.
• The internal amplifier in some radios is not compatible with the level matching circuit. In these cases, there will be floor noise [hissing or buzzing at low levels] when the level matching circuit is connected. Change to the RCA connections to eliminate this noise.

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**

CONNECT TO RADIO WITH LOW LEVEL OUTPUT:
- 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 (-)
- TAN BLACK - 12V (+)
- TAN/BLACK - GROUND
- GREEN - LR SPEAKER (+)
- GREEN/BLACK - LR SPEAKER (-)
- PURPLE/BLACK - RR SPEAKER (-)
- RED - ACCESORY (+)
- YELLOW - 12V (+)
- ORANGE - ILLUMINATION (+)
- PURPLE/WHITE - REVERSE LIGHT (+)
- LT GREEN - E-BRAKE (-)
- YELLOW/BLACK - FOOT BRAKE
- BROWN (NOT CONNECTED)

**STEP 2**

FACTORY RADIO HARNESS

**STEP 3**

ORDDI CONNECTOR
- BROWN/RED - CANH
- BROWN/YELLOW - CANL
- TAN/BLACK
- TAN

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

**STEP 4**

CONNECT TO AFTERMARKET RADIO

**STEP 5**

CONNECT TO RADIO WITH HIGH LEVEL OUTPUT:
- 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 (+)
- RED - ACCESSORY (+)
- PURPLE/WHITE - REVERSE LIGHT (+)
- LT GREEN - E-BRAKE (-)
- YELLOW/BLACK - FOOT BRAKE
- MAESTRO RR MODULE
- SPEAKER
- AUDIO CABLE
- MAESTRO RR MODULE
- FACTORY RADIO HARNESS
- RCA CABLES
- WIRES FROM VEHICLE
- DATA CABLE
- GMS05+ T-HARNESS
- FACTORY RADIO HARNESS
**WIRING DIAGRAM without an Amplifier**

**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 (-)
- YELLOW/BLACK - FOOT BRAKE
- BROWN (NOT CONNECTED)

**STEP 2**

FACTORY RADIO HARNESS

**STEP 3**

OBDII CONNECTOR

- BROWN/RED - CANH
- BROWN/YELLOW - CANL
- TAN/BLACK
- TAN

**STEP 4**

CONNECT TO AFTERMARKET RADIO

- RCA CABLES
- BCA CABLES
- AUDIO CABLES

**STEP 5**

SPEAKER

- MAESTRO RR MODULE

NOTE: PIN SIDE VIEW.
Connect to twisted wires behind connector.

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 (-)
- YELLOW/BLACK - FOOT BRAKE
- BROWN (NOT CONNECTED)

SEE RADIO WIRE REFERENCE CHART FOR RADIO WIRE COLORS

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 (-)
- YELLOW/BLACK - FOOT BRAKE
- BROWN (NOT CONNECTED)

SEE RADIO WIRE REFERENCE CHART FOR RADIO WIRE COLORS

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 (-)
- YELLOW/BLACK - FOOT BRAKE
- BROWN (NOT CONNECTED)

SEE RADIO WIRE REFERENCE CHART FOR RADIO WIRE COLORS

CUT AND REMOVE THE SPEAKER WIRE JUNCTION CONNECTORS

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- 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 (-)
- YELLOW/BLACK - FOOT BRAKE
- BROWN (NOT CONNECTED)

SEE RADIO WIRE REFERENCE CHART FOR RADIO WIRE COLORS

CUT AND REMOVE THE SPEAKER WIRE JUNCTION CONNECTORS

- WHITE - LF SPEAKER (+)
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- 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 (-)
- YELLOW/BLACK - FOOT BRAKE
- BROWN (NOT CONNECTED)

SEE RADIO WIRE REFERENCE CHART FOR RADIO WIRE COLORS
# RADIO WIRE REFERENCE CHART

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<thead>
<tr>
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<th>Wire Color on Maestro T-Harness</th>
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<th>Wire Color on Pioneer cable</th>
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<tbody>
<tr>
<td>Illumination</td>
<td>(+)</td>
<td>Orange</td>
<td>N/A</td>
<td>Orange/White</td>
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</tr>
<tr>
<td>Reverse Light</td>
<td>(+)</td>
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</tr>
<tr>
<td>E-Brake</td>
<td>(-)</td>
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<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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INSTALL GUIDE
CHEVROLET SILVERADO 1500
WITH NAV 2012-2013
RETAINS STEERING WHEEL CONTROLS, ONSTAR, BLUETOOTH, XM 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.

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Installation Instructions 4
Wiring Diagram with an Amplifier 5
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Radio Wire Reference Chart 7

NEED HELP?

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💬 maestro.idatalink.com/support
🌐 www.12voltdata.com/forum
BEFORE INSTALLING

**STEP 1**

**DETERMINE IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:**

**METHOD 1:** Look for the following logos in the vehicle. They are usually on the speaker covers or on the radio unit. If you find any of the following logos Bose, Pioneer or Monsoon, you have a factory amplifier.

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Follow the installation instructions and complete the installation as shown in the wiring diagram with an amplifier and read the "AMPLIFIER ONLY" note to determine if you should use RCA's or level matching circuits.

**IF YOUR VEHICLE NOT IS EQUIPPED WITH A FACTORY AMPLIFIER:**

Follow the installation instructions and complete the installation as shown in the wiring diagram without an amplifier.
INSTALLATION INSTRUCTIONS

STEP 1
• Unbox the aftermarket radio and locate its main harness.
• Connect the wires shown on the next page from aftermarket radio main harness to the GM2 T-harness and match the wire functions.
• Remove the factory radio.

STEP 2
• Connect the GREEN male 2 pin connector of the backup camera cable to the GREEN female connector of the backup camera adapter. Connect GRAY connector of adapter to the vehicle backup camera harness.

STEP 3
• Connect the factory harness to the GM2 T-harness. Ensure that the RED 2 pin plugs are connected.

STEP 4
• Plug the OBDII connector into the OBDII of the vehicle, under driver dash.

STEP 5
• Plug the aftermarket radio harnesses into the aftermarket radio.
• Connect the backup camera RCA cable 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 6
• Connect all the harnesses to the Maestro RR module then 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 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 (+)
- Yellow - 12V (+)
- Orange - ILLUMINATION (+)
- Purple/White - REVERSE LIGHT (+)
- Light Green - E-BRAKE (-)
- Pink - VEHICLE SPEED
- Yellow/Black - FOOT BRAKE
- Brown (Not Connected)

STEP 2
- Backup Camera Harness
- Green
- Green

STEP 3
- Factory Radio Harness
- Red
- Red

STEP 4
- OBDII Connector
- Green
- Not Connected

STEP 5
- Connect to Aftermarket Radio
- Main Harness
- RCA Cable
- Backup Cam
- Data Cable
- Audio Cable

STEP 6
- Speaker
- Maestro RR Module
- A
- B
- C
- D
- E
- F
- G
- H

See Radio Wire Reference Chart for Radio Wire Colors
WIRING DIAGRAM without an Amplifier

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

**STEP 2**
Green - Green
Red - Red
Black - Ground
Yellow - 12V (+)
White - LF Speaker (+)
Gray - RF Speaker (+)
Green - LR Speaker (+)
Purple - RR Speaker (+)
White/Black - LF Speaker (-)
Gray/Black - RF Speaker (-)
Green/Black - LR Speaker (-)
Purple/Black - RR Speaker (-)
Gray/White - Reverse Light (+)
Orange - Illumination (+)
Pink - Vehicle Speed
Yellow/Black - Foot Brake
LT Green - E-Brake (-)
OBDII Connector

**STEP 3**
Factory Radio Harness

**STEP 4**
DME Harness
Green (not connected)

**STEP 5**
Main Harness
Connect to Aftermarket Radio
RCA Cable
Data Cable
Audio Cable
Backup Camera Harness
Wires from Vehicle

**STEP 6**
Connect to Aftermarket Radio
Speaker
Maestro RR Module

See radio wire reference chart for radio wire colors.

WIRING DIAGRAM without 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 (+)
- Blue/White - AMP. TURN ON (+)
- Red - ACCESSORY (+)
- Purple/White - Reverse Light (+)
- Orange - Illumination (+)
- LT Green - E-Brake (-)
- Yellow/Black - Foot Brake
- Green/White - REVERSE LIGHT (+)
- Yellow - 12V (+)
- Purple - RR SPEAKER (+)
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INSTALL GUIDE

CHEVROLET SILVERADO 1500 WITHOUT NAV 2012-2013

RETAINS STEERING WHEEL CONTROLS, ONSTAR, BLUETOOTH, XM SATELLITE AND MORE!

PRODUCTS REQUIRED
iDatalink Maestro RR Radio Replacement Interface
iDatalink Maestro GM5+ Installation Harness

OPTIONAL ACCESSORIES
None

PROGRAMMED Firmware
ADS-RR(SR)-GMS05-DS

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**STEP 1**
- Unbox the aftermarket radio and locate its main harness.
- Connect the wires shown on the next page from aftermarket radio main harness to the GM5+ T-harness and match the wire functions.

**STEP 2**
- Connect the factory harness to the GM5+ T-harness.

**STEP 3**
- Access the OBDII connector located under the driver side dashboard.
- Connect the BROWN /RED wire of the GM5+ T-harness to the wire located at pin 6 of the OBDII connector. (See the vehicle wire chart reference for wire colors)
- Connect the BROWN /YELLOW wire of the GM5+ T-harness to the wire located at pin 14 of the OBDII connector. (See the vehicle wire chart reference for wire colors)

**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.

**STEP 5**
- Connect all the harnesses to the Maestro RR module then proceed to module setup.

The module is now ready to be used.
Insert the aftermarket radio in the dashboard housing and test all the functionalities.
Reassemble the dashboard carefully.

**AMPLIFIER ONLY**

**DETERMINE IF YOU SHOULD USE RCA’S OR LEVEL MATCHING CIRCUITS**

- If your vehicle is equipped with a factory amplifier you can connect the RCA wiring to the low level outputs of your aftermarket radio, or connect the level matching circuits to the speaker outputs of the aftermarket radio.
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**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**
Cut and remove the speaker wire junction connectors.

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

**STEP 3**
Connect to twisted wires behind connector.

**STEP 4**
Connect backup cam.

**STEP 5**
Connect to main harness.

**GMS05+ T-Harness**
- 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 (+)
- Gray/White - E-BRAKE (-)
- Yellow/Black - Foot Brake
- Brown (not connected)

**FACTORY RADIO HARNESS**
- Brown/Red - CANH
- Brown/Yellow - CANL

**NOTE:** Pin side view. Connect to twisted wires behind connector.
## RADIO WIRE REFERENCE CHART

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<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>
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<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

CHEVROLET

SILVERADO 2500 & 3500

2007-2011

RETAINS STEERING WHEEL CONTROLS, ONSTAR, BLUETOOTH, XM SATELLITE AND MORE!

PRODUCTS REQUIRED
iDatalink Maestro RR Radio Replacement Interface
iDatalink Maestro GM5+ Installation Harness

OPTIONAL ACCESSORIES
None

PROGRAMMED FIRMWARE
ADS-RR(SR)-GMS05-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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BEFORE INSTALLING

**STEP 1**

DETERMINE IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

**METHOD 1:** Look for the following logos in the vehicle. They are usually on the speaker covers or on the radio unit. If you find any of the following logos Bose, Pioneer or Monsoon, you have a factory amplifier.

**METHOD 2:** Look for the following sticker in the glove box. This sticker will indicate all the Regular Production Option (RPO) codes. If you find any of the following codes UQA, UQS or UQG, you have a factory amplifier.

**STEP 2**

IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram with an amplifier and read the "AMPLIFIER ONLY" note to determine if you should use RCA's or level matching circuits.

IF YOUR VEHICLE NOT IS EQUIPPED WITH A FACTORY AMPLIFIER:

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

![Service Parts Identification](image-url)
INSTALLATION INSTRUCTIONS

STEP 1
- Unbox the aftermarket radio and locate its main harness.
- Connect the wires shown on the next page from aftermarket radio main harness to the GM5+ T-harness and match the wire functions.

STEP 2
- Connect the factory harness to the GM5+ T-harness.

STEP 3
- Access the OBDII connector located under the driver side dashboard.
- Connect the BROWN /RED wire of the GM5+ T-harness to the wire located at pin 6 of the OBDII connector. (See the vehicle wire chart reference for wire colors)
- Connect the BROWN /YELLOW wire of the GM5+ T-harness to the wire located at pin 14 of the OBDII connector. (See the vehicle wire chart reference for wire colors)

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.

STEP 5
- Connect all the harnesses to the Maestro RR module then proceed to module setup.

The module is now ready to be used.
Insert the aftermarket radio in the dashboard housing and test all the functionalities.
Reassemble the dashboard carefully.

AMPLIFIER ONLY
DETERMINE IF YOU SHOULD USE RCA’S OR LEVEL MATCHING CIRCUITS
- If your vehicle is equipped with a factory amplifier you can connect the RCA wiring to the low level outputs of your aftermarket radio, or connect the level matching circuits to the speaker outputs of the aftermarket radio.
- If your aftermarket radio does not have low level outputs, has only a single RCA output, or the RCA output level is 2 volts or less then it is recommended to connect the level matching circuit to the speaker outputs. If the volume does not go loud enough using the RCA connections, the level matching circuits can be used.
- The internal amplifier in some radios is not compatible with the level matching circuit. In these cases, there will be floor noise [hissing or buzzing at low levels] when the level matching circuit is connected. Change to the RCA connections to eliminate this noise.

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
CONNECT TO RADIO WITH LOW LEVEL OUTPUT:
- WHITE - LF SPEAKER (+)
- WHITE/BLACK - RF SPEAKER (+)
- GRAY - LF SPEAKER (-)
- GRAY/BLACK - RF SPEAKER (-)
- GREEN - LR SPEAKER (+)
- GREEN/BLACK - LR SPEAKER (-)
- PURPLE - RR SPEAKER (+)
- PURPLE/BLACK - RR SPEAKER (-)

CONNECT TO RADIO WITH HIGH LEVEL OUTPUT:
- 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 (+)
- RED/BLACK - LF SPEAKER (+)
- ORANGE - ILLUMINATION (+)
- PURPLE/WHITE - REVERSE LIGHT (+)
- LTGREEN - E-BRAKE (-)
- YELLOW/BLACK - FOOT BRAKE

STEP 2
FACTORY RADIO HARNESS

STEP 3
OBII CONNECTOR
- BROWN/RED - CANH
- BROWN/YELLOW - CANL
- TAN/BLACK
- TAN - CONNECT TO TWISTED WIRES BEHIND CONNECTOR.

STEP 4
CONNECT TO AFTERMARKET RADIO
- RCA CABLES
- MAIN HARNESS

STEP 5
CONNECT TO RADIO WITH HIGH LEVEL OUTPUT:
- WHITE - LF SPEAKER (+)
- WHITE/BLACK - RF SPEAKER (+)
- GRAY - LF SPEAKER (-)
- GRAY/BLACK - RF SPEAKER (-)
- GREEN - LR SPEAKER (+)
- GREEN/BLACK - LR SPEAKER (-)
- PURPLE - RR SPEAKER (+)
- PURPLE/BLACK - RR SPEAKER (-)
- BLUE/WHITE - AMP TURN ON (+)
- PURPLE - RR SPEAKER (+)
- BLACK - GROUND
- RED - ACCESSORY (+)
- RED/BLACK - LF SPEAKER (+)
- ORANGE - ILLUMINATION (+)
- PURPLE/WHITE - REVERSE LIGHT (+)
- LTGREEN - E-BRAKE (-)
- YELLOW/BLACK - FOOT BRAKE

NOTE: PIN SIDE VIEW. CONNECT TO TWISTED WIRES BEHIND CONNECTOR.
**WIRING DIAGRAM without an Amplifier**

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

**STEP 2**
- Connect to factory radio harness.
- See radio wire reference chart for radio wire colors.

**STEP 3**
- Connect to twisted wires behind connector.

**STEP 4**
- Connect to main harness.
- Connect backup cam cables.

**STEP 5**
- Connect wires from vehicle.
- Connect data cable.

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 (-)
- Yellow/Black - Foot brake
- Pink - Vehicle speed

**NOTE:** Pin side view.

Connect to twisted wires behind connector.

**GM505+ T-HARNESS**

Vertical wiring:
- Brown/Red - CANH
- Brown/Yellow - CANL
- Green/Black - 12V (-)
- Yellow/Black - Foot brake
- Purple - RR speaker (+)
- Orange - Illumination (+)
- Purple/White - Reverse light (+)
- LtGreen - E-brake (-)
- Yellow/Black - Foot brake
- Pink - Vehicle speed
- Black - Ground
- Red - Accessory (+)
- Blue/White - AMP turn on (+)
- Brown (NOT CONNECTED)

Horizontal wiring:
- 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
- Brown (NOT CONNECTED)
# RADIO WIRE REFERENCE CHART

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<th>Polarity</th>
<th>Wire Color on Maestro T-Harness</th>
<th>Wire Color on Alpine cable</th>
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<th>Wire Color on Pioneer cable</th>
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<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) [DATA]</td>
<td></td>
<td>Pink</td>
<td>Green/White</td>
<td>N/A</td>
<td>Pink</td>
</tr>
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INSTALL GUIDE
CHEVROLET SILVERADO 2500 & 3500 WITHOUT NAV 2012-2014
RETAINS STEERING WHEEL CONTROLS, ONSTAR, BLUETOOTH, XM SATELLITE AND MORE!

PRODUCTS REQUIRED
iDatalink Maestro RR Radio Replacement Interface
iDatalink Maestro GM5+ 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.

NEED HELP?

1 866 427-2999

support@idatalink.com

maestro.idatalink.com/support

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BEFORE INSTALLING

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**METHOD 2:** Look for the following sticker in the glove box. This sticker will indicate all the Regular Production Option (RPO) codes. If you find any of the following codes UQA, UQS or UQG, you have a factory amplifier.

**STEP 2**

IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram with an amplifier and read the "AMPLIFIER ONLY" note to determine if you should use RCA’s or level matching circuits.

IF YOUR VEHICLE NOT IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram without an amplifier.
INSTALLATION INSTRUCTIONS

STEP 1

- Unbox the aftermarket radio and locate its main harness.
- Connect the wires shown on the next page from aftermarket radio main harness to the GM5+ T-harness and match the wire functions.

STEP 2

- Connect the factory harness to the GM5+ T-harness.

STEP 3

- Access the OBDII connector located under the driver side dashboard.
- Connect the BROWN/RED wire of the GM5+ T-harness to the wire located at pin 6 of the OBDII connector. (See the vehicle wire chart reference for wire colors)
- Connect the BROWN/YELLOW wire of the GM5+ T-harness to the wire located at pin 14 of the OBDII connector. (See the vehicle wire chart reference for wire colors)

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.

STEP 5

- Connect all the harnesses to the Maestro RR module then proceed to module setup.

The module is now ready to be used.

Insert the aftermarket radio in the dashboard housing and test all the functionalities.

Reassemble the dashboard carefully.

AMPLIFIER ONLY

DETERMINE IF YOU SHOULD USE RCA’S OR LEVEL MATCHING CIRCUITS

- If your vehicle is equipped with a factory amplifier you can connect the RCA wiring to the low level outputs of your aftermarket radio, or connect the level matching circuits to the speaker outputs of the aftermarket radio.
- If your aftermarket radio does not have low level outputs, has only a single RCA output, or the RCA output level is 2 volts or less then it is recommended to connect the level matching circuit to the speaker outputs. If the volume does not go loud enough using the RCA connections, the level matching circuits can be used.
- The internal amplifier in some radios is not compatible with the level matching circuit. In these cases, there will be floor noise (hissing or buzzing at low levels) when the level matching circuit is connected. Change to the RCA connections to eliminate this noise.

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**
CONNECT TO RADIO WITH LOW LEVEL OUTPUT:
- 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 (-)

**STEP 2**
FACTORY RADIO HARNESS

**STEP 3**
ORBDII CONNECTOR

**STEP 4**
CONNECT TO MAIN HARNESS

**STEP 5**
CONNECT TO AFTERMARKET RADIO

**NOTE:** PIN SIDE VIEW. CONNECT TO TWISTED WIRES BEHIND CONNECTOR.
WIRING DIAGRAM without an Amplifier

STEP 1
CUT AND REMOVE THE SPEAKER WIRE JUNCTION CONNECTORS

STEP 2
FACTORY RADIO HARNESS

STEP 3
OBDDII CONNECTOR

STEP 4
MAIN HARNESS

STEP 5
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 (-)
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 (+)
PINK - VEHICLE SPEED
YELLOW/BLACK - FOOT BRAKE
BROWN (NOT CONNECTED)

WHITE - LF SPEAKER (+)
WHITE/BLACK - LF SPEAKER (-)
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GREEN - LR SPEAKER (+)
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YELLOW/BLACK - FOOT BRAKE
BROWN (NOT CONNECTED)

BROWN/RED - CANH
BROWN/YELLOW - CANL
TAN/BLACK
TAN/BROWN

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

CUT AND REMOVE THE SPEAKER WIRE JUNCTION CONNECTORS

CONNECT TO AFTERMARKET RADIO

BACKUP CAM

SEE RADIO WIRE REFERENCE CHART FOR RADIO WIRE COLORS

STEP 1
CUT AND REMOVE THE SPEAKER WIRE JUNCTION CONNECTORS

STEP 2
FACTORY RADIO HARNESS

STEP 3
OBDDII CONNECTOR

STEP 4
MAIN HARNESS

STEP 5
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NOTE: PIN SIDE VIEW. CONNECT TO TWISTED WIRES BEHIND CONNECTOR.

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INSTALL GUIDE
CHEVROLET SILVERADO 2500 WITH NAV 2012-2014

RETAILS STEERING WHEEL CONTROLS, ONSTAR, BLUETOOTH, XM SATELLITE AND MORE!

PRODUCTS REQUIRED
iDatalink Maestro RR Radio Replacement Interface
iDatalink Maestro GM5+ Installation Harness

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None

PROGRAMMED FIRMWARE
ADS-RR(SR)-GMS05-DS

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NEED HELP?

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STEP 2

IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram with an amplifier and read the “AMPLIFIER ONLY” note to determine if you should use rca’s or level matching circuits.

IF YOUR VEHICLE NOT IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram without an amplifier.
INSTALLATION INSTRUCTIONS

STEP 1
- Unbox the aftermarket radio and locate its main harness.
- Connect the wires shown on the next page from aftermarket radio main harness to the GM2 T-harness and match the wire functions.
- Remove the factory radio.

STEP 2
- Connect the GREEN male 2 pin connector of the backup camera cable to the GREEN female connector of the backup camera adapter. Connect GRAY connector of adapter to the vehicle backup camera harness.

STEP 3
- Connect the factory harness to the GM2 T-harness. Ensure that the RED 2 pin plugs are connected.

STEP 4
- Plug the OBDII connector into the OBDII of the vehicle, under driver dash.

STEP 5
- Plug the aftermarket radio harnesses into the aftermarket radio.
- Connect the backup camera RCA cable 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 6
- Connect all the harnesses to the Maestro RR module then 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 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 (+)
- YELLOW - 12V (+)
- ORANGE - ILLUMINATION (+)
- PURPLE/WHITE - REVERSE LIGHT (+)
- LTGREEN - E-BRAKE (-)
- YELLOW/BLACK - FOOT BRAKE
- BROWN (NOT CONNECTED)

STEP 2
- BACKUP CAMERA HARNESS
- GREEN - GREEN

STEP 3
- FACTORY RADIO HARNESS
- RED - RED

STEP 4
- OBDII CONNECTOR
- GREEN - NOT CONNECTED

STEP 5
- MAIN HARNESS
- RCA CABLE
- WIRES FROM VEHICLE
- CONNECT TO AFTERMARKET RADIO
- AUDIO CABLE
- DATA CABLE
- SPEAKER

STEP 6
- MAESTRO RR MODULE
- AUDIO CABLE
- RED - ACCESSORY (+)
- BLUE/WHITE - AMP. TURN ON (+)
- PURPLE - RR SPEAKER (+)

SEE RADIO WIRE REFERENCE CHART FOR RADIO WIRE COLORS

WIRING DIAGRAM with an Amplifier
WIRING DIAGRAM without an Amplifier

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

**STEP 2**
Green - Green

**STEP 3**
Red - Red

**STEP 4**
Green - Not connected

**STEP 5**
Connect to aftermarket radio

**STEP 6**
See radio wire reference chart for 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/Black - RR speaker (-)
- Blue/White -AMP. turn on (+)
- Red - Accessory (+)
- Yellow - 12V (+)
- Orange - Illumination (+)
- Purple/White - Reverse light (+)
- LT Green - E-brake (+)
- Pink - Vehicle speed
- Yellow/Black - Foot brake
- Brown (not connected)

- Purple - RR speaker (+)
- Brown (not connected)
- Orange - Illumination (+)
- Purple/White - Reverse light (+)
- LT Green - E-brake (-)
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- Pink - Vehicle speed

- See radio wire reference chart for radio wire colors.
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<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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INSTALL GUIDE

CHEVROLET SUBURBAN
2007-2011

RETAINS STEERING WHEEL CONTROLS, ONSTAR, BLUETOOTH, XM SATELLITE AND MORE!

PRODUCTS REQUIRED
iDatalink Maestro RR Radio Replacement Interface
iDatalink Maestro GM5+ Installation Harness

OPTIONAL ACCESSORIES
None

PROGRAMMED Firmware
ADS-RR(SR)-GMS05-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.

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NEED HELP?

1 866 427-2999

support@idatalink.com

maestro.idatalink.com/support

www.12voltdata.com/forum
BEFORE INSTALLING

STEP 1

DETERMINE IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

METHOD 1: Look for the following logos in the vehicle. They are usually on the speaker covers or on the radio unit. If you find any of the following logos Bose, Pioneer or Monsoon, you have a factory amplifier.

METHOD 2: Look for the following sticker in the glove box. This sticker will indicate all the Regular Production Option (RPO) codes. If you find any of the following codes UQA, UQS or UQG, you have a factory amplifier.

STEP 2

IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram with an amplifier and read the "AMPLIFIER ONLY" note to determine if you should use RCA's or level matching circuits.

IF YOUR VEHICLE NOT IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram without an amplifier.
INSTALLATION INSTRUCTIONS

STEP 1
• Unbox the aftermarket radio and locate its main harness.
• Connect the wires shown on the next page from aftermarket radio main harness to the GM5+ T-harness and match the wire functions.

STEP 2
• Connect the factory harness to the GM5+ T-harness.

STEP 3
• Access the OBDII connector located under the driver side dashboard.
• Connect the BROWN /RED wire of the GM5+ T-harness to the wire located at pin 6 of the OBDII connector. (See the vehicle wire chart reference for wire colors)
• Connect the BROWN /YELLOW wire of the GM5+ T-harness to the wire located at pin 14 of the OBDII connector. (See the vehicle wire chart reference for wire colors)

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.

STEP 5
• Connect all the harnesses to the Maestro RR module then proceed to module setup.

The module is now ready to be used.
Insert the aftermarket radio in the dashboard housing and test all the functionalities.
Reassemble the dashboard carefully.

AMPLIFIER ONLY
DETERMINE IF YOU SHOULD USE RCA’S OR LEVEL MATCHING CIRCUITS

• If your vehicle is equipped with a factory amplifier you can connect the RCA wiring to the low level outputs of your aftermarket radio, or connect the level matching circuits to the speaker outputs of the aftermarket radio.
• If your aftermarket radio does not have low level outputs, has only a single RCA output, or the RCA output level is 2 volts or less then it is recommended to connect the level matching circuit to the speaker outputs. If the volume does not go loud enough using the RCA connections, the level matching circuits can be used.
• The internal amplifier in some radios is not compatible with the level matching circuit. In these cases, there will be floor noise (hissing or buzzing at low levels) when the level matching circuit is connected. Change to the RCA connections to eliminate this noise.

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**
CONNECT TO RADIO WITH LOW LEVEL OUTPUT:
- 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 (-)

**STEP 2**
CONNECT TO RADIO WITH HIGH LEVEL OUTPUT:
- 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 (+)
- LTGREEN - E-BRAKE (-)
- YELLOW/BLACK - FOOT BRAKE
- BROWN (NOT CONNECTED)

**STEP 3**
ORBDII CONNECTOR
- BROWN/RED - CANH
- BROWN/YELLOW - CANL
- TAN/BLACK

**STEP 4**
MAESTRO RR MODULE
- DATA CABLE
- AUDIO CABLE

**STEP 5**
CONNECT TO AFTERMARKET RADIO
- RCA CABLES
- WIRES FROM VEHICLE
- FACTORY RADIO HARNESS
- MAIN HARNESS
- OBBDII CONNECTOR
- GMS05+ T-HARNESS

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

BROWN/RED - CANH
BROWN/YELLOW - CANL

OR
CONNECT TO RADIO WITH LOW LEVEL OUTPUT:
- 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 (-)

OR
CONNECT TO RADIO WITH HIGH LEVEL OUTPUT:
- 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 (+)
- LTGREEN - E-BRAKE (-)
- YELLOW/BLACK - FOOT BRAKE
- BROWN (NOT CONNECTED)

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CONNECT TO RADIO WITH LOW LEVEL OUTPUT:
- WHITE - LF SPEAKER (+)
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- GRAY - RF SPEAKER (+)
- GRAY/BLACK - RF SPEAKER (-)
- GREEN - LR SPEAKER (+)
- GREEN/BLACK - LR SPEAKER (-)
- PURPLE - RR SPEAKER (+)
- PURPLE/BLACK - RR SPEAKER (-)

OR
CONNECT TO RADIO WITH HIGH LEVEL OUTPUT:
- 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 (+)
- LTGREEN - E-BRAKE (-)
- YELLOW/BLACK - FOOT BRAKE
- BROWN (NOT CONNECTED)

OR
CONNECT TO RADIO WITH LOW LEVEL OUTPUT:
- WHITE - LF SPEAKER (+)
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- GRAY - RF SPEAKER (+)
- GRAY/BLACK - RF SPEAKER (-)
- GREEN - LR SPEAKER (+)
- GREEN/BLACK - LR SPEAKER (-)
- PURPLE - RR SPEAKER (+)
- PURPLE/BLACK - RR SPEAKER (-)

OR
CONNECT TO RADIO WITH HIGH LEVEL OUTPUT:
- WHITE - LF SPEAKER (+)
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- 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 (+)
- LTGREEN - E-BRAKE (-)
- YELLOW/BLACK - FOOT BRAKE
- BROWN (NOT CONNECTED)

OR
CONNECT TO RADIO WITH LOW LEVEL OUTPUT:
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- GRAY - RF SPEAKER (+)
- GRAY/BLACK - RF SPEAKER (-)
- GREEN - LR SPEAKER (+)
- GREEN/BLACK - LR SPEAKER (-)
- PURPLE - RR SPEAKER (+)
- PURPLE/BLACK - RR SPEAKER (-)

OR
CONNECT TO RADIO WITH HIGH LEVEL OUTPUT:
- WHITE - LF SPEAKER (+)
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- 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 (+)
- LTGREEN - E-BRAKE (-)
- YELLOW/BLACK - FOOT BRAKE
- BROWN (NOT CONNECTED)
WIRING DIAGRAM without an Amplifier

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

**STEP 2**
Connect to the factory radio harness.

**STEP 3**
Connect to twisted wires behind OBDII connector.

**STEP 4**
Connect to backup camera cables.

**STEP 5**
Connect to the aftermarket radio main harness.

**WIRING DIAGRAM**

- 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
- Brown (not connected)
- Brown/Red - CANH
- Brown/Yellow - CANL

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

See radio wire reference chart for radio wire colors.

CUT AND REMOVE THE SPEAKER WIRE JUNCTION CONNECTORS.

WIRING DIAGRAM without an Amplifier
# Radio Wire Reference Chart

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<tr>
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<td>Yellow/Blue</td>
<td>Lt Green</td>
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</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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INSTALL GUIDE
CHEVROLET SUBURBAN
WITH NAV 2012-2014

RETAINS STEERING WHEEL CONTROLS, ONSTAR, BLUETOOTH, XM SATELLITE AND MORE!

PRODUCTS REQUIRED
iDatalink Maestro RR Radio Replacement Interface
iDatalink Maestro GM5+ Installation Harness

OPTIONAL ACCESSORIES
None

PROGRAMMED Firmware
ADS-RR(SR)-GMS05-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.

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NEED HELP?

1 866 427-2999

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maestro.idatalink.com/support

www.12voltdata.com/forum
BEFORE INSTALLING

**STEP 1**

DETERMINE IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

**METHOD 1:** Look for the following logos in the vehicle. They are usually on the speaker covers or on the radio unit. If you find any of the following logos Bose, Pioneer or Monsoon, you have a factory amplifier.

**METHOD 2:** Look for the following sticker in the glove box. This sticker will indicate all the Regular Production Option (RPO) codes. If you find any of the following codes UQA, UQS or UQG, you have a factory amplifier.

**STEP 2**

IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **with an amplifier** and read the "AMPLIFIER ONLY" note to determine if you should use RCA’s or level matching circuits.

IF YOUR VEHICLE NOT IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **without an amplifier**.
INSTALLATION INSTRUCTIONS

STEP 1
• Unbox the aftermarket radio and locate its main harness.
• Connect the wires shown on the next page from aftermarket radio main harness to the GM2 T-harness and match the wire functions.
• Remove the factory radio.

STEP 2
• Connect the GREEN male 2 pin connector of the backup camera cable to the GREEN female connector of the backup camera adapter. Connect GRAY connector of adapter to the vehicle backup camera harness.

STEP 3
• Connect the factory harness to the GM2 T-harness. Ensure that the RED 2 pin plugs are connected.

STEP 4
• Plug the OBDII connector into the OBDII of the vehicle, under driver dash.

STEP 5
• Plug the aftermarket radio harnesses into the aftermarket radio.
• Connect the backup camera RCA cable 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 6
• Connect all the harnesses to the Maestro RR module then 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 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 (+)
- YELLOW - 12V (+)
- ORANGE - ILLUMINATION (+)
- LTGREEN - E-BRAKE (-)
- PINK - VEHICLE SPEED
- BROWN (NOT CONNECTED)

STEP 2
- GREEN - GREEN

STEP 3
- FACTORY RADIO HARNESS
- RED - RED

STEP 4
- OBDII CONNECTOR
- 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 (+)
- LTGREEN - E-BRAKE (-)
- PINK - VEHICLE SPEED
- GREEN/BLACK - FOOT BRAKE
- BROWN (NOT CONNECTED)

STEP 5
- CONNECT TO AFTERMARKET RADIO
- RCA CABLE

STEP 6
- SPEAKER
- MAESTRO RR MODULE
- DATA CABLE
- AUDIO CABLE
- WIRES FROM VEHICLE
- MAIN HARNESS
- BACKUP CAM
- BACKUP CAMERA HARNESS
- FACTORY RADIO HARNESS
- AUDIO CABLE
- GREEN - GREEN
- RED - RED

Step 1: Connect WIRES TO FACTORY RADIO HARNESS
Step 2: Connect WIRES TO FACTORY RADIO HARNESS
Step 3: Connect WIRES TO FACTORY RADIO HARNESS
Step 4: Connect WIRES TO FACTORY RADIO HARNESS
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Step 6: Connect WIRES TO FACTORY RADIO HARNESS
WIRING DIAGRAM without an Amplifier

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

**STEP 2**
Connect the backup camera harness.

**STEP 3**
Connect the factory radio harness.

**STEP 4**
Connect the OBDII connector.

**STEP 5**
Connect the RCA cable to the backup camera.

**STEP 6**
Connect the main harness to the aftermarket radio.

GM2 harness:
- White - LF speaker (+)
- White/Black - LF speaker (-)
- Gray - RF speaker (+)
- Gray/Black - RF speaker (-)
- Green - LR speaker (+)
- Green/Black - LR speaker (-)
- Purple/Black - RR speaker (+)
- Blue/White - Amp. turn on (+)
- Red - Accessory (+)
- Yellow - 12V (+)
- Orange - Illumination (+)
- Purple/White - Reverse light (+)
- LTGreen - E-brake (-)
- LTGreen - E-brake (-)
- Yellow/Black - Foot brake
- Brown (not connected)

Factory radio harness:
- White/Black - LF speaker (-)
- Green/Black - LR speaker (-)
- Purple/Black - RR speaker (-)
- Yellow/Black - Terminals
- Black - Ground
- Red - Accessory (+)
- Blue/White - Amp. turn on (+)
- Purple - RR speaker (+)
- Orange - Illumination (+)
- Purple/White - Reverse light (+)

RCA cable:
- Green
- Red
- White
- Black
- Yellow
- Red

Audio cable:
- Black
- Green
- Orange
- Blue/White

Data cable:
- Black
- Green
- Orange
- Blue/White

SEE RADIO WIRE REFERENCE CHART FOR RADIO WIRE COLORS.
# RADIO WIRE REFERENCE CHART

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CHEVROLET SUBURBAN
WITHOUT NAV 2012-2014

RETAINS STEERING WHEEL CONTROLS, ONSTAR, BLUETOOTH, XM SATELLITE AND MORE!

PRODUCTS REQUIRED
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- iDatalink Maestro GM5+ Installation Harness

OPTIONAL ACCESSORIES
- None

PROGRAMMED Firmware
- ADS-RR(SR)-GMS05-DS

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BEFORE INSTALLING

**STEP 1**

**DETERMINE IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:**

**METHOD 1:** Look for the following logos in the vehicle. They are usually on the speaker covers or on the radio unit. If you find any of the following logos Bose, Pioneer or Monsoon, you have a factory amplifier.

**METHOD 2:** Look for the following sticker in the glove box. This sticker will indicate all the Regular Production Option (RPO) codes. If you find any of the following codes UQA, UQS or UQG, you have a factory amplifier.

---

**STEP 2**

**IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:**

Follow the installation instructions and complete the installation as shown in the wiring diagram with an amplifier and read the "AMPLIFIER ONLY" note to determine if you should use RCA's or level matching circuits.

**IF YOUR VEHICLE NOT IS EQUIPPED WITH A FACTORY AMPLIFIER:**

Follow the installation instructions and complete the installation as shown in the wiring diagram without an amplifier.
INSTALLATION INSTRUCTIONS

STEP 1
• Unbox the aftermarket radio and locate its main harness.
• Connect the wires shown on the next page from aftermarket radio main harness to the GM5+ T-harness and match the wire functions.

STEP 2
• Connect the factory harness to the GM5+ T-harness.

STEP 3
• Access the OBDII connector located under the driver side dashboard.
• Connect the BROWN /RED wire of the GM5+ T-harness to the wire located at pin 6 of the OBDII connector. (See the vehicle wire chart reference for wire colors)
• Connect the BROWN /YELLOW wire of the GM5+ T-harness to the wire located at pin 14 of the OBDII connector. (See the vehicle wire chart reference for wire colors)

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.

STEP 5
• Connect all the harnesses to the Maestro RR module then proceed to module setup.

The module is now ready to be used.
Insert the aftermarket radio in the dashboard housing and test all the functionalities.
Reassemble the dashboard carefully.

AMPLIFIER ONLY
DETERMINE IF YOU SHOULD USE RCA’S OR LEVEL MATCHING CIRCUITS
• If your vehicle is equipped with a factory amplifier you can connect the RCA wiring to the low level outputs of your aftermarket radio, or connect the level matching circuits to the speaker outputs of the aftermarket radio.
• If your aftermarket radio does not have low level outputs, has only a single RCA output, or the RCA output level is 2 volts or less then it is recommended to connect the level matching circuit to the speaker outputs. If the volume does not go loud enough using the RCA connections, the level matching circuits can be used.
• The internal amplifier in some radios is not compatible with the level matching circuit. In these cases, there will be floor noise (hissing or buzzing at low levels) when the level matching circuit is connected. Change to the RCA connections to eliminate this noise.

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
CONNECT TO RADIO WITH LOW LEVEL OUTPUT:
- 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 (-)

CONNECT TO RADIO WITH HIGH LEVEL OUTPUT:
- 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 (-)
- YELLOW/BLACK - FOOT BRAKE
- TAN/BLACK
- TAN
- BROWN (NOT CONNECTED)

STEP 2
FACTORY RADIO HARNESS

STEP 3
ORDII CONNECTOR

STEP 4
CONNECT TO AFTERMARKET RADIO

STEP 5
CONNECT TO TWISTED WIRES BEHIND CONNECTOR.

NOTE: PIN SIDE VIEW.

CONNECT TO RADIO WITH LOW LEVEL OUTPUT:
- 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 (-)

CONNECT TO RADIO WITH HIGH LEVEL OUTPUT:
- 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 (+)
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- TAN/BLACK
- TAN
- BROWN (NOT CONNECTED)

STEP 2
FACTORY RADIO HARNESS

STEP 3
ORDII CONNECTOR

STEP 4
CONNECT TO AFTERMARKET RADIO

STEP 5
CONNECT TO TWISTED WIRES BEHIND CONNECTOR.

NOTE: PIN SIDE VIEW.

CONNECT TO RADIO WITH LOW LEVEL OUTPUT:
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- PURPLE - RR SPEAKER (+)
- PURPLE/BLACK - RR SPEAKER (-)

CONNECT TO RADIO WITH HIGH LEVEL OUTPUT:
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- 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 (-)
- YELLOW/BLACK - FOOT BRAKE
- TAN/BLACK
- TAN
- BROWN (NOT CONNECTED)
WIRING DIAGRAM without an Amplifier

**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 (+)
- PINK - VEHICLE SPEED
- YELLOW - 12V (+)
- YELLOW/BLACK - FOOT BRAKE
- BROWN (NOT CONNECTED)

**STEP 2**
Factory radio harness.
- BROWN/RED - CANH
- BROWN/YELLOW - CANL
- TAN/BLACK
- TAN

**STEP 3**
OBDII connector.
- NOTE: PIN SIDE VIEW. CONNECT TO TWISTED WIRES BEHIND CONNECTOR.
- BROWN/YELLOW - CANL
- TAN/BLACK
- TAN

**STEP 4**
Main harness.
- RCA CABLES
- BACKUP CAM
- SEE RADIO WIRE REFERENCE CHART FOR RADIO WIRE COLORS
- CUT AND REMOVE THE SPEAKER WIRE JUNCTION CONNECTORS

**STEP 5**
Maestro RR module.
- CONNECT TO AFTERMARKET RADIO
- SPEAKER
- AUDIO CABLE
- DATA CABLE
- WIRE FROM VEHICLE

NOTE: PIN SIDE VIEW.
# 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>
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<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>
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<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

CHEVROLET TAHOE
2007-2011

RETAINS STEERING WHEEL CONTROLS, ONSTAR, BLUETOOTH, XM SATELLITE AND MORE!

PRODUCTS REQUIRED
iDatalink Maestro RR Radio Replacement Interface
iDatalink Maestro GM5+ 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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NEED HELP?

📞 1 866 427-2999

✉️ support@idatalink.com

💬 maestro.idatalink.com/support

www.12voltdata.com/forum
BEFORE INSTALLING

**STEP 1**

DETERMINE IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

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

STEP 5
• Connect all the harnesses to the Maestro RR module then proceed to module setup.

The module is now ready to be used.
Insert the aftermarket radio in the dashboard housing and test all the functionalities.
Reassemble the dashboard carefully.

AMPLIFIER ONLY
DETERMINE IF YOU SHOULD USE RCA’S OR LEVEL MATCHING CIRCUITS

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WIRING DIAGRAM with an Amplifier

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- GRAY - RF SPEAKER (+)
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- GREEN - LR SPEAKER (+)
- GREEN/BLACK - LR SPEAKER (-)
- PURPLE - RR SPEAKER (+)
- PURPLE/BLACK - RR SPEAKER (-)

STEP 2
FACTORY RADIO HARNESS

STEP 3
ORDBII CONNECTOR

STEP 4
CONNECT TO AFTERMARKET RADIO

STEP 5
SEE RADIO WIRE REFERENCE CHART FOR RADIO WIRE COLORS

NOTE: PIN SIDE VIEW.
CONNECT TO TWISTED WIRES BEHIND CONNECTOR.
**WIRING DIAGRAM without an Amplifier**

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

**STEP 2**
FACTORY RADIO HARNESS

**STEP 3**
OBDII CONNECTOR

**STEP 4**
MAIN HARNES

**STEP 5**
SPEAKER

NOTE: PIN SIDE VIEW. CONNECT TO TWISTED WIRES BEHIND CONNECTOR.
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<td>(+)</td>
<td>Orange</td>
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<tr>
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<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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</table>
INSTALL GUIDE

CHEVROLET TAHOE WITH NAV 2012-2014

RETAINS STEERING WHEEL CONTROLS, ONSTAR, BLUETOOTH, XM SATELLITE AND MORE!

PRODUCTS REQUIRED
iDatalink Maestro RR Radio Replacement Interface
iDatalink Maestro GM5+ Installation Harness

OPTIONAL ACCESSORIES
None

PROGRAMMED Firmware
ADS-RR(SR)-GMS05-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.

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NEED HELP?

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BEFORE INSTALLING

**STEP 1**

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**STEP 2**

IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram with an amplifier and read the “AMPLIFIER ONLY” note to determine if you should use RCA’s or level matching circuits.

IF YOUR VEHICLE NOT IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram without an amplifier.
INSTALLATION INSTRUCTIONS

STEP 1
• Unbox the aftermarket radio and locate its main harness.
• Connect the wires shown on the next page from aftermarket radio main harness to the GM2 T-harness and match the wire functions.
• Remove the factory radio.

STEP 2
• Connect the GREEN male 2 pin connector of the backup camera cable to the GREEN female connector of the backup camera adapter. Connect GRAY connector of adapter to the vehicle backup camera harness.

STEP 3
• Connect the factory harness to the GM2 T-harness. Ensure that the RED 2 pin plugs are connected.

STEP 4
• Plug the OBDII connector into the OBDII of the vehicle, under driver dash.

STEP 5
• Plug the aftermarket radio harnesses into the aftermarket radio.
• Connect the backup camera RCA cable 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 6
• Connect all the harnesses to the Maestro RR module then 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 with an Amplifier

STEP 1

- WHITE - LF SPEAKER (+)
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- 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 (+)
- LTGREEN - E-BRAKE (-)
- PINK - VEHICLE SPEED
- YELLOW/BLACK - FOOT BRAKE
- BROWN (NOT CONNECTED)

STEP 2

- GREEN
- GREEN

STEP 3

- RED
- RED

STEP 4

- OBDII CONNECTOR
- NOT CONNECTED

STEP 5

- CONNECT TO AFTERMARKET RADIO
- MAIN HARNESS
- RCA CABLE
- BACKUP CAM
- WIRING FROM VEHICLE
- DATA CABLE
- AUDIO CABLE
- AUDIO CABLE

STEP 6

- MAESTRO RR MODULE
- SPEAKER
- MAESTRO RR MODULE
- SPEAKER
WIRING DIAGRAM without an Amplifier

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

STEP 2

BACKUP CAMERA HARNESS

- GREEN - NOT CONNECTED

STEP 3

FACTORY RADIO HARNESS

- RED

STEP 4

OBDII CONNECTOR

- GREEN

STEP 5

CONNECT TO AFTERMARKET RADIO

- RCA CABLE

STEP 6

SPEAKER

- MAESTRO RR MODULE

- OBDII CONNECTOR

- FACTORY RADIO HARNESS

- BACKUP CAMERA HARNESS

- BROWN (NOT CONNECTED)

SEE RADIO WIRE REFERENCE CHART FOR RADIO WIRE COLORS

CUT AND REMOVE THE SPEAKER WIRE JUNCTION CONNECTORS

FACTORY RADIO HARNESS

BACKUP CAMERA HARNESS

WIRING WITHOUT AN AMPLIFIER

AFTERMARKET RADIO

MAIN HARNESS

RCA CABLE

DATA CABLE

AUDI CABLE

SPEAKER

MAESTRO RR MODULE

OBDII CONNECTOR

FACTORY RADIO HARNESS

BACKUP CAMERA HARNESS

BROWN (NOT CONNECTED)
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INSTALL GUIDE
CHEVROLET TAHOE
WITHOUT NAV 2012-2014
RETAINS STEERING WHEEL CONTROLS, ONSTAR, BLUETOOTH, XM SATELLITE AND MORE!

PRODUCTS REQUIRED
iDatalink Maestro RR Radio Replacement Interface
iDatalink Maestro GM5+ Installation Harness

OPTIONAL ACCESSORIES
None

PROGRAMMED FIRMWARE
ADS-RR(SR)-GMS05-DS

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WELCOME

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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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NEED HELP?

1 866 427-2999

support@idatalink.com

maestro.idatalink.com/support

www.12voltdata.com/forum
BEFORE INSTALLING

STEP 1

DETERMINE IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

METHOD 1: Look for the following logos in the vehicle. They are usually on the speaker covers or on the radio unit. If you find any of the following logos Bose, Pioneer or Monsoon, you have a factory amplifier.

METHOD 2: Look for the following sticker in the glove box. This sticker will indicate all the Regular Production Option (RPO) codes. If you find any of the following codes UQA, UQS or UQG, you have a factory amplifier.

STEP 2

IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram with an amplifier and read the “AMPLIFIER ONLY” note to determine if you should use RCA’s or level matching circuits.

IF YOUR VEHICLE NOT IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram without an amplifier.
INSTALLATION INSTRUCTIONS

STEP 1
- Unbox the aftermarket radio and locate its main harness.
- Connect the wires shown on the next page from aftermarket radio main harness to the GM5+ T-harness and match the wire functions.

STEP 2
- Connect the factory harness to the GM5+ T-harness.

STEP 3
- Access the OBDII connector located under the driver side dashboard.
- Connect the BROWN/RED wire of the GM5+ T-harness to the wire located at pin 6 of the OBDII connector. (See the vehicle wire chart reference for wire colors)
- Connect the BROWN/YELLOW wire of the GM5+ T-harness to the wire located at pin 14 of the OBDII connector. (See the vehicle wire chart reference for wire colors)

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.

STEP 5
- Connect all the harnesses to the Maestro RR module then proceed to module setup.

The module is now ready to be used.
Insert the aftermarket radio in the dashboard housing and test all the functionalities.
Reassemble the dashboard carefully.

AMPLIFIER ONLY
DETERMINE IF YOU SHOULD USE RCA’S OR LEVEL MATCHING CIRCUITS
- If your vehicle is equipped with a factory amplifier you can connect the RCA wiring to the low level outputs of your aftermarket radio, or connect the level matching circuits to the speaker outputs of the aftermarket radio.
- If your aftermarket radio does not have low level outputs, has only a single RCA output, or the RCA output level is 2 volts or less then it is recommended to connect the level matching circuit to the speaker outputs. If the volume does not go loud enough using the RCA connections, the level matching circuits can be used.
- The internal amplifier in some radios is not compatible with the level matching circuit. In these cases, there will be floor noise [hissing or buzzing at low levels] when the level matching circuit is connected. Change to the RCA connections to eliminate this noise.

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
CONNECT TO RADIO WITH LOW LEVEL OUTPUT:
- 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 (+)

CONNECT TO RADIO WITH HIGH LEVEL OUTPUT:
- WHITE - LF SPEAKER (+)
- WHITE/BLACK - LF SPEAKER (-)
- GRAY/BLACK - RF SPEAKER (+)
- GRAY/BLACK - RF SPEAKER (-)
- GREEN - LR SPEAKER (+)
- GREEN/BLACK - LR SPEAKER (-)
- PURPLE - RR SPEAKER (+)
- PURPLE/BLACK - RR SPEAKER (-)
- RED - ACCESSORY (+)
- YELLOW - 12V (+)
- ORANGE - ILLUMINATION (+)
- PURPLE/WHITE - REVERSE LIGHT (+)
- LTGREEN - E-BRAKE (-)
- YELLOW/BLACK - FOOT BRAKE

STEP 2
FACTORY RADIO HARNESS

STEP 3
ORDBII CONNECTOR
- WHITE - LF SPEAKER (+)
- WHITE/BLACK - LF SPEAKER (-)
- GRAY - RF SPEAKER (+)
- GRAY/BLACK - RF SPEAKER (-)
- GREEN - LR SPEAKER (+)
- GREEN/BLACK - LR SPEAKER (-)
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- YELLOW - 12V (+)
- ORANGE - ILLUMINATION (+)
- PURPLE/WHITE - REVERSE LIGHT (+)
- LTGREEN - E-BRAKE (-)
- YELLOW/BLACK - FOOT BRAKE

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

STEP 4
CONNECT TO AFTERMARKET RADIO

STEP 5
CONNECT TO RADIO WITH LOW LEVEL OUTPUT:
- 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 (-)
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NOTE: PIN SIDE VIEW.
CONNECT TO TWISTED WIRES BEHIND CONNECTOR.
WIRING DIAGRAM without an Amplifier

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

**STEP 2**
FACTORY RADIO HARNESS

**STEP 3**
OBDDII CONNECTOR

**STEP 4**
MAIN HARNESS
CONNECT TO AFTERMARKET RADIO
BACKUP CAM
BACKUP CAM

**STEP 5**
WIRES FROM VEHICLE
SPEAKER
MAESTRO RR MODULE

![Wiring Diagram](image-url)
<table>
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<tr>
<th>Wire Description</th>
<th>Polarity</th>
<th>Wire Color on Maestro T-Harness</th>
<th>Wire Color on Alpine cable</th>
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<th>Wire Color on Pioneer cable</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>
</tr>
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INSTALL GUIDE
CHEVROLET TRAVERSE
2009-2017

RETAINS STEERING WHEEL CONTROLS, ONSTAR, BLUETOOTH, XM 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.
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**WIRING DIAGRAM** with an Amplifier

**STEP 1**
Connect to radio with low level output:
- 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 (-)

**STEP 2**
Factory radio harness

**STEP 3**
ODBD connector
- Brown/Red - CAN-H
- Brown/Yellow - CAN-L
- Tan/Black
- Tan

**STEP 4**
Connect to aftermarket radio

**STEP 5**
Audio cable

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

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 - LF speaker (+)
White/Black - LF speaker (-)
Gray - RF speaker (+)
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Green - LR speaker (+)
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WIRING DIAGRAM without an Amplifier

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 (+)
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- PURPLE/BLACK - RR SPEAKER (-)
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- YELLOW - 12V (+)
- BLACK - GROUND
- RED - ACCESSORY (+)
- BLUE/WHITE - AMP. TURN ON (+)
- PURPLE - RR SPEAKER (+)
- ORANGE - ILLUMINATION (+)
- SEE RADIO WIRE REFERENCE CHART FOR RADIO WIRE COLORS

STEP 2

FACTORY RADIO HARNESS

WIRING DIAGRAM without an Amplifier

STEP 3

OBDDII CONNECTOR

- BROWN/RED - CANH
- BROWN/YELLOW - CANL
- TAN/BLACK
- TAN

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

GM360+ T-HARNESS

STEP 4

CONNECT TO AFTERMARKET RADIO

BRA CABLES

DATA CABLE

STEP 5

SPEAKER

MAESTRO RR MODULE

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

WIRING DIAGRAM without an Amplifier

GM360+ T-HARNESS

CUT AND REMOVE THE SPEAKER WIRE JUNCTION CONNECTORS

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FACTORY RADIO HARNESS

WIRING DIAGRAM without an Amplifier

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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>
## INSTALL GUIDE

**GMC ACADIA**

**2007-2014**

RETAINS STEERING WHEEL CONTROLS, ONSTAR, BLUETOOTH, XM SATELLITE AND MORE!

---

### PRODUCTS REQUIRED

- iDatalink Maestro RR Radio Replacement Interface
- iDatalink Maestro GM5+ Installation Harness

### OPTIONAL ACCESSORIES

- None

### PROGRAMMED Firmware

- ADS-RR(SR)-GMS05-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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Wiring Diagram without an Amplifier 6

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BEFORE INSTALLING

**STEP 1**

DETERMINE IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

**METHOD 1:** Look for the following logos in the vehicle. They are usually on the speaker covers or on the radio unit. If you find any of the following logos Bose, Pioneer or Monsoon, you have a factory amplifier.

**METHOD 2:** Look for the following sticker in the glove box. This sticker will indicate all the Regular Production Option (RPO) codes. If you find any of the following codes UQA, UQS or UQG, you have a factory amplifier.

**SERVICE PARTS IDENTIFICATION**

<table>
<thead>
<tr>
<th>2GCEK19N031344764</th>
<th>143 SFXWH2Q</th>
<th>CKI5273</th>
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<td>AG6, AG2, AJ1, AL0, AM7, AN3, AU0, AU3, A31, B30, B4U, B58, B61, B63, C13, C49, C7H, D15, D5, D67, E14, E15, F68, F69, F71, G60, H34, JCA, JCM, K34, K83, K84, K85, K86, K87, K88, L32, M31, NCI, NEI, NP3, NPS, P30, Q83, RAY, R5U, R82, SAF, SL, Subset, UE, UF3, UGF, VRH, WTV, VXG, VSX, XZG, YD6, YD9, ZYI, ZYJ, ZYK</td>
<td></td>
<td></td>
</tr>
<tr>
<td>BC/CC</td>
<td>U 8555</td>
<td>692</td>
</tr>
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</table>

**STEP 2**

IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram with an amplifier and read the “AMPLIFIER ONLY” note to determine if you should use RCA’s or level matching circuits.

IF YOUR VEHICLE NOT IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram without an amplifier.
INSTALLATION INSTRUCTIONS

STEP 1
• Unbox the aftermarket radio and locate its main harness.
• Connect the wires shown on the next page from aftermarket radio main harness to the GM5+ T-harness and match the wire functions.

STEP 2
• Connect the factory harness to the GM5+ T-harness.

STEP 3
• Access the OBDII connector located under the driver side dashboard.
• Connect the BROWN /RED wire of the GM5+ T-harness to the wire located at pin 6 of the OBDII connector. (See the vehicle wire chart reference for wire colors)
• Connect the BROWN /YELLOW wire of the GM5+ T-harness to the wire located at pin 14 of the OBDII connector. (See the vehicle wire chart reference for wire colors)

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.

STEP 5
• Connect all the harnesses to the Maestro RR module then proceed to module setup.

The module is now ready to be used.
Insert the aftermarket radio in the dashboard housing and test all the functionalities.
Reassemble the dashboard carefully.

AMPLIFIER ONLY

DETERMINE IF YOU SHOULD USE RCA’S OR LEVEL MATCHING CIRCUITS

• If your vehicle is equipped with a factory amplifier you can connect the RCA wiring to the low level outputs of your aftermarket radio, or connect the level matching circuits to the speaker outputs of the aftermarket radio.
• If your aftermarket radio does not have low level outputs, has only a single RCA output, or the RCA output level is 2 volts or less then it is recommended to connect the level matching circuit to the speaker outputs. If the volume does not go loud enough using the RCA connections, the level matching circuits can be used.
• The internal amplifier in some radios is not compatible with the level matching circuit. In these cases, there will be floor noise [hissing or buzzing at low levels] when the level matching circuit is connected. Change to the RCA connections to eliminate this noise.

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
CONNECT TO RADIO WITH LOW LEVEL OUTPUT:
- WHITE/BLACK - LF SPEAKER
- GRAY - RF SPEAKER
- GREEN/BLACK - LR SPEAKER
- PURPLE/BLACK - RR SPEAKER
- 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 (-)
- BROWN (NOT CONNECTED)
- RED - ACCESSORY (+)
- YELLOW - 12V (+)
- ORANGE - ILLUMINATION (+)
- PURPLE/WHITE - REVERSE LIGHT (+)
- LTGREEN - E-BRAKE (-)
- YELLOW/BLACK - FOOT BRAKE

STEP 2
FACTORY RADIO HARNESS

STEP 3
ORaddAll CONNECTOR
- BROWN/RED - CANH
- BROWN/YELLOW - CANL
- TAN/BLACK

STEP 4
CONNECT TO AFTERMARKET RADIO
- SUB
- BACKUP CAM

STEP 5
MAESTRO RR MODULE
- SPEAKER
- AUDIO CABLE
- WIRING DIAGRAM with an Amplifier

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

SEE RADIO WIRE REFERENCE CHART FOR RADIO WIRE COLORS

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

GMC ACADIA 2007-2014

AUTOMOTIVE DATA SOLUTIONS © 2017

CONNECT TO RADIO WITH HIGH LEVEL OUTPUT:
- WHITE - LF SPEAKER (+)
- GRAY - RF SPEAKER (+)
- GREEN - LR SPEAKER (+)
- PURPLE - RR SPEAKER (+)
- BLUE/WHITE - AMP. TURN ON (+)
- RED - ACCESSORY (+)
- TAN/BLACK - LF SPEAKER (-)
- TAN - RF SPEAKER (-)
- GRAY/BLACK - LR SPEAKER (-)
- PURPLE/BLACK - RR SPEAKER (-)
- BLACK - GROUND
- BLACK - GROUND
- GREEN - LR SPEAKER (-)
- GREEN/BLACK - LR SPEAKER (-)
- PURPLE/BLACK - RR SPEAKER (-)
- PURPLE - RR SPEAKER (-)
- RED - ACCESSORY (+)
- YELLOW - 12V (+)
- ORANGE - ILLUMINATION (+)
- PURPLE/WHITE - REVERSE LIGHT (+)
- LTGREEN - E-BRAKE (-)
- 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 (-)
BROWN (NOT CONNECTED)
RED - ACCESSORY (+)
YELLOW - 12V (+)
ORANGE - ILLUMINATION (+)
PURPLE/WHITE - REVERSE LIGHT (+)
LTGREEN - E-BRAKE (-)
PINK - VEHICLE SPEED
YELLOW/BLACK - FOOT BRAKE
BROWN (NOT CONNECTED)

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

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

STEP 1
CONNECT TO RADIO WITH LOW LEVEL OUTPUT:
- WHITE/BLACK - LF SPEAKER
- GRAY - RF SPEAKER
- GREEN/BLACK - LR SPEAKER
- PURPLE/BLACK - RR SPEAKER
- 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 (-)
- BROWN (NOT CONNECTED)
- RED - ACCESSORY (+)
- YELLOW - 12V (+)
- ORANGE - ILLUMINATION (+)
- PURPLE/WHITE - REVERSE LIGHT (+)
- LTGREEN - E-BRAKE (-)
- YELLOW/BLACK - FOOT BRAKE

STEP 2
FACTORY RADIO HARNESS

STEP 3
ORaddAll CONNECTOR
- BROWN/RED - CANH
- BROWN/YELLOW - CANL
- TAN/BLACK

STEP 4
CONNECT TO AFTERMARKET RADIO
- SUB
- BACKUP CAM

STEP 5
MAESTRO RR MODULE
- SPEAKER
- AUDIO CABLE
- WIRING DIAGRAM with an Amplifier

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

SEE RADIO WIRE REFERENCE CHART FOR RADIO WIRE COLORS

NOTE: PIN SIDE VIEW.
CONNECT TO TWISTED WIRES BEHIND CONNECTOR.
WIRING DIAGRAM without an Amplifier

**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 (+)
- ORANGE - ILLUMINATION (+)
- PURPLE/WHITE - REVERSE LIGHT (+)
- LTGREEN - E-BRAKE (-)
- YELLOW/BLACK - FOOT BRAKE
- BROWN (NOT CONNECTED)

**STEP 2**
FACTORY RADIO HARNESS

**STEP 3**
OBDDII CONNECTOR

- BROWN/RED - CANH
- BROWN/YELLOW - CANL
- TAN/BLACK
- TAN

**STEP 4**
CONNECT TO AFTERMARKET RADIO

**STEP 5**
MAESTRO RR MODULE

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

<table>
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<tr>
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<th>Wire Color on Maestro T-Harness</th>
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<td>Orange/White</td>
</tr>
<tr>
<td>Reverse Light</td>
<td>(+)</td>
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<td>Orange/White</td>
<td>Purple/White</td>
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<tr>
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<td>(-)</td>
<td>Lt Green</td>
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<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

GMC SAVANA
WITH NAV 2013-2017

RETAINS STEERING WHEEL CONTROLS, ONSTAR, BLUETOOTH, XM SATELLITE AND MORE!

PRODUCTS REQUIRED
iDatalink Maestro RR Radio Replacement Interface
iDatalink Maestro GM5+ Installation Harness

OPTIONAL ACCESSORIES
None

PROGRAMMED Firmware
ADS-RR(SR)-GMS05-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.

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<td>Radio Wire Reference Chart</td>
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NEED HELP?

1 866 427-2999

support@idatalink.com

maestro.idatalink.com/support

www.12voltdata.com/forum
BEFORE INSTALLING

STEP 1

DETERMINE IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

METHOD 1: Look for the following logos in the vehicle. They are usually on the speaker covers or on the radio unit. If you find any of the following logos Bose, Pioneer or Monsoon, you have a factory amplifier.

METHOD 2: Look for the following sticker in the glove box. This sticker will indicate all the Regular Production Option (RPO) codes. If you find any of the following codes UQA, UQS or UQG, you have a factory amplifier.

STEP 2

IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram with an amplifier and read the “AMPLIFIER ONLY” note to determine if you should use rca’s or level matching circuits.

IF YOUR VEHICLE NOT IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram without an amplifier.
INSTALLATION INSTRUCTIONS

**STEP 1**
- Unbox the aftermarket radio and locate its main harness.
- Connect the wires shown on the next page from aftermarket radio main harness to the GM2 T-harness and match the wire functions.
- Remove the factory radio.

**STEP 2**
- Connect the GREEN male 2 pin connector of the backup camera cable to the GREEN female connector of the backup camera adapter. Connect GRAY connector of adapter to the vehicle backup camera harness.

**STEP 3**
- Connect the factory harness to the GM2 T-harness. Ensure that the RED 2 pin plugs are connected.

**STEP 4**
- Plug the OBDII connector into the OBDII of the vehicle, under driver dash.

**STEP 5**
- Plug the aftermarket radio harnesses into the aftermarket radio.
- Connect the backup camera RCA cable 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 6**
- Connect all the harnesses to the Maestro RR module then 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 with an Amplifier
WIRING DIAGRAM without an Amplifier

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 (+)
BLUE/WHITE - AMP. TURN ON (+)
RED - ACCESSORY (+)
YELLOW - 12V (+)
ORANGE - ILLUMINATION (+)
PURPLE/WHITE - REVERSE LIGHT (+)
LTGREEN - E-BRAKE (-)
YELLOW/BLACK - FOOT BRAKE
GREEN - NOT CONNECTED

STEP 2
BACKUP CAMERA HARNESS
GREEN GREEN

STEP 3
FACTORY RADIO HARNESS
RED RED

STEP 4
OBDII CONNECTOR
GREEN - NOT CONNECTED

STEP 5
CONNECT TO AFTERMARKET RADIO
MAIN HARNESS
RCA CABLE
DATA CABLE
AUDIO CABLE
BACKUP CAM
WIRE FROM VEHICLE

STEP 6
SPEAKER
MAESTRO RR MODULE
A B C D E F G H

GM2 T-HARNESS CONNECT TO AFTERMARKET RADIO DATA CABLE

SEE RADIO WIRE REFERENCE CHART FOR RADIO WIRE COLORS

BYPASS AMPLIFIER (IF APPLICABLE)

SEE AUDIO CABLE REFERENCE CHART FOR AUDIO CABLE COLORS

GM3 HARNESS

FACTORY RADIO HARNESS

BACKUP CAM}

GM2 T-HARNESS
## RADIO WIRE REFERENCE CHART

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OPTIONAL ACCESSORIES
None

PROGRAMMED FIRMWARE
ADS-RR(SR)-GMS05-DS

PRODUCTS REQUIRED
iDatalink Maestro RR Radio Replacement Interface
iDatalink Maestro GM5+ Installation Harness

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IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

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INSTALLATION INSTRUCTIONS

STEP 1
- Unbox the aftermarket radio and locate its main harness.
- Connect the wires shown on the next page from aftermarket radio main harness to the GM5+ T-harness and match the wire functions.

STEP 2
- Connect the factory harness to the GM5+ T-harness.

STEP 3
- Access the OBDII connector located under the driver side dashboard.
- Connect the BROWN /RED wire of the GM5+ T-harness to the wire located at pin 6 of the OBDII connector. (See the vehicle wire chart reference for wire colors)
- Connect the BROWN /YELLOW wire of the GM5+ T-harness to the wire located at pin 14 of the OBDII connector. (See the vehicle wire chart reference for wire colors)

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.

STEP 5
- Connect all the harnesses to the Maestro RR module then proceed to module setup.

The module is now ready to be used.
Insert the aftermarket radio in the dashboard housing and test all the functionalities.
Reassemble the dashboard carefully.

AMPLIFIER ONLY

DETERMINE IF YOU SHOULD USE RCA’S OR LEVEL MATCHING CIRCUITS
- If your vehicle is equipped with a factory amplifier you can connect the RCA wiring to the low level outputs of your aftermarket radio, or connect the level matching circuits to the speaker outputs of the aftermarket radio.
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- The internal amplifier in some radios is not compatible with the level matching circuit. In these cases, there will be floor noise (hissing or buzzing at low levels) when the level matching circuit is connected. Change to the RCA connections to eliminate this noise.

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
CONNECT TO RADIO WITH LOW LEVEL OUTPUT:
- WHITE/BLACK - LF SPEAKER
- GRAY - RF SPEAKER
- GREEN/BLACK - LR SPEAKER
- PURPLE/BLACK - RR SPEAKER

CONNECT TO RADIO WITH HIGH LEVEL OUTPUT:
- 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 (-)

LCA CABLES
CONNECT TO AFTERMARKET RADIO

STEP 2
FACTORY RADIO HARNESS
WIRING FROM VEHICLE
MAESTRO RR MODULE

STEP 3
ORDI CONNECTION
NOTE: PIN SIDE VIEW.
CONNECT TO TWISTED WIRES BEHIND CONNECTOR.

STEP 4
CONNECT TO RADIO AFTERMARKET RADIO

STEP 5
SPEAKER

NOTE: 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 (-)
- BLACK - GROUND
- RED - ACCESSORY (+)
- YELLOW - 12V (+)
- ORANGE - ILLUMINATION (+)
- PURPLE/WHITE - REVERSE LIGHT (+)
- LT GREEN - E-BRAKE (-)
- YELLOW/BLACK - FOOT BRAKE
- BROWN (NOT CONNECTED)
- TAN - OBDII CONNECTOR
- TAN/BLACK - LF SPEAKER
- TAN/BLACK - RF SPEAKER
- TAN/BLACK - LR SPEAKER
- TAN/BLACK - RR SPEAKER

GMS05+ T-HARNESS
FACTORY RADIO HARNESS
GMS05+ T-HARNESS

CONNECT TO TwISTED WIRES BEHIND CONNECTOR.
WIRING DIAGRAM without an Amplifier

**STEP 1**

Cut and remove the speaker wire junction connectors.

**STEP 2**

Factory radio harness wires from vehicle.

**STEP 3**

OBDII connector.

**STEP 4**

Connect to aftermarket radio.

**STEP 5**

Connect to twisted wires behind connector.
## RADIO WIRE REFERENCE CHART

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</tr>
<tr>
<td>Reverse Light</td>
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<td>(-)</td>
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<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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</table>
## INSTALL GUIDE

### GMC SIERRA 1500

2007-2011

RETAINS STEERING WHEEL CONTROLS, ONSTAR, BLUETOOTH, XM SATELLITE AND MORE!

### PRODUCTS REQUIRED
- iDatalink Maestro RR Radio Replacement Interface
- iDatalink Maestro GM5+ Installation Harness

### OPTIONAL ACCESSORIES
- None

### PROGRAMMED FIRMWARE
- ADS-RR(SR)-GMS05-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.

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NEED HELP?

1 866 427-2999

support@idatalink.com

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www.12voltdata.com/forum
BEFORE INSTALLING

**STEP 1**

DETERMINE IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

**METHOD 1:** Look for the following logos in the vehicle. They are usually on the speaker covers or on the radio unit. If you find any of the following logos Bose, Pioneer or Monsoon, you have a factory amplifier.

**METHOD 2:** Look for the following sticker in the glove box. This sticker will indicate all the Regular Production Option (RPO) codes. If you find any of the following codes UQA, UQS or UQG, you have a factory amplifier.

**STEP 2**

IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram with an amplifier and read the "AMPLIFIER ONLY" note to determine if you should use rca’s or level matching circuits.

IF YOUR VEHICLE NOT IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram without an amplifier.
INSTALLATION INSTRUCTIONS

STEP 1
- Unbox the aftermarket radio and locate its main harness.
- Connect the wires shown on the next page from aftermarket radio main harness to the GM5+ T-harness and match the wire functions.

STEP 2
- Connect the factory harness to the GM5+ T-harness.

STEP 3
- Access the OBDII connector located under the driver side dashboard.
- Connect the BROWN /RED wire of the GM5+ T-harness to the wire located at pin 6 of the OBDII connector. (See the vehicle wire chart reference for wire colors)
- Connect the BROWN /YELLOW wire of the GM5+ T-harness to the wire located at pin 14 of the OBDII connector. (See the vehicle wire chart reference for wire colors)

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.

STEP 5
- Connect all the harnesses to the Maestro RR module then proceed to module setup.

The module is now ready to be used.
Insert the aftermarket radio in the dashboard housing and test all the functionalities.
Reassemble the dashboard carefully.

AMPLIFIER ONLY
DETERMINE IF YOU SHOULD USE RCA’S OR LEVEL MATCHING CIRCUITS
- If your vehicle is equipped with a factory amplifier you can connect the RCA wiring to the low level outputs of your aftermarket radio, or connect the level matching circuits to the speaker outputs of the aftermarket radio.
- If your aftermarket radio does not have low level outputs, has only a single RCA output, or the RCA output level is 2 volts or less then it is recommended to connect the level matching circuit to the speaker outputs. If the volume does not go loud enough using the RCA connections, the level matching circuits can be used.
- The internal amplifier in some radios is not compatible with the level matching circuit. In these cases, there will be floor noise (hissing or buzzing at low levels) when the level matching circuit is connected. Change to the RCA connections to eliminate this noise.

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**
CONNECT TO RADIO WITH LOW LEVEL OUTPUT:
- 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 (-)

CONNECT TO RADIO WITH HIGH LEVEL OUTPUT:
- 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

**STEP 2**
FACTORY RADIO HARNESS

**STEP 3**
ORDII CONNECTOR
- BROWN/RED - CANH
- BROWN/YELLOW - CANL
- TAN/BLACK
- BROWN (NOT CONNECTED)

**STEP 4**
CONNECT TO AFTERMARKET RADIO

**STEP 5**
SEE RADIO WIRE REFERENCE CHART FOR RADIO WIRE COLORS

**NOTE:** PIN SIDE VIEW. CONNECT TO TWISTED WIRES BEHIND CONNECTOR.
WIRING DIAGRAM without an Amplifier

**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 (+)
- LITEGREEN - E-BRAKE (-)
- GREEN - LR SPEAKER (+)
- GREEN/BLACK - LR SPEAKER (-)
- YELLOW - 12V (+)
- RED - ACCESSORY (+)
- BLUE/WHITE - AMP. TURN ON (+)
- PURPLE - RR SPEAKER (+)
- BROWN (NOT CONNECTED)

**STEP 2**

FACTORY RADIO HARNESS

**STEP 3**

- WHITE/RED - CANH
- WHITE/YELLOW - CANL
- TAN/BLACK
- TAN/BLACK
- BROWN/YELLOW - CANL
- BROWN/RED - CANH

**STEP 4**

CONNECT TO AFTERMARKET RADIO

- MAIN HARNESS
- RCA CABLES
- BACKUP CAM

**STEP 5**

CUT AND REMOVE THE SPEAKER WIRE JUNCTION CONNECTORS

- BROWN/RED - CANH
- BROWN/YELLOW - CANL

**NOTE:** PIN SIDE VIEW.

CONNECT TO TWISTED WIRES BEHIND CONNECTOR.
# RADIO WIRE REFERENCE CHART

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<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>
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INSTALL GUIDE

GMC SIERRA 1500 WITH NAV 2012-2013

RETAINS STEERING WHEEL CONTROLS, ONSTAR, BLUETOOTH, XM SATELLITE AND MORE!

PRODUCTS REQUIRED
iDatalink Maestro RR Radio Replacement Interface
iDatalink Maestro GM5+ Installation Harness

OPTIONAL ACCESSORIES
None

PROGRAMMED Firmware
ADS-RR(SR)-GMS05-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.

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NEED HELP?

1 866 427-2999

support@idatalink.com

maestro.idatalink.com/support

www.12voltdata.com/forum
BEFORE INSTALLING

**STEP 1**

**DETERMINE IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:**

**METHOD 1:** Look for the following logos in the vehicle. They are usually on the speaker covers or on the radio unit. If you find any of the following logos Bose, Pioneer or Monsoon, you have a factory amplifier.

**METHOD 2:** Look for the following sticker in the glove box. This sticker will indicate all the Regular Production Option (RPO) codes. If you find any of the following codes UQA, UQS or UQG, you have a factory amplifier.

**SERVICE PARTS IDENTIFICATION DO NOT REMOVE**

- **2GCEK19N031344764**
- **1435FXWH2Q**
- **CKI5753**
- **AG1, AG2, A11, AL0, AM7, AN3, AU0, AU3, A31, B30, B4U**
- **B56, B81, B82, CJ3, C49, C7H, D55, D1T, D14, D07**
- **EVA, FF, FF6, GT5, G60, JCA, JC4, KNP, KUP, K34**
- **K47, K98, L6Q, G03, G0D, NEI, NI3, NPS, N2R, P07, S93**
- **R4Y, R8U, RS8, SAF, SLM, TRB, UCE, UQA, UZK, UFI**
- **UF3, UKQ, VR4, VTV, VX5, V73, X5S, X0X, Y8X, YE9**
- **YSS, ZDC, ZY1, Z80, Z92, ISS, I5Z, 4IU, 8YT, 691, 692**
- **BC/CC**
- **U8555**
- **692**

**STEP 2**

**IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:**

Follow the installation instructions and complete the installation as shown in the wiring diagram **with an amplifier** and read the “AMPLIFIER ONLY” note to determine if you should use rca’s or level matching circuits.

**IF YOUR VEHICLE NOT IS EQUIPPED WITH A FACTORY AMPLIFIER:**

Follow the installation instructions and complete the installation as shown in the wiring diagram **without an amplifier**.
INSTALLATION INSTRUCTIONS

STEP 1
• Unbox the aftermarket radio and locate its main harness.
• Connect the wires shown on the next page from aftermarket radio main harness to the GM2 T-harness and match the wire functions.
• Remove the factory radio.

STEP 2
• Connect the GREEN male 2 pin connector of the backup camera cable to the GREEN female connector of the backup camera adapter. Connect GRAY connector of adapter to the vehicle backup camera harness.

STEP 3
• Connect the factory harness to the GM2 T-harness. Ensure that the RED 2 pin plugs are connected.

STEP 4
• Plug the OBDII connector into the OBDII of the vehicle, under driver dash.

STEP 5
• Plug the aftermarket radio harnesses into the aftermarket radio.
• Connect the backup camera RCA cable 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 6
• Connect all the harnesses to the Maestro RR module then 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 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 (+)
- YELLOW - 12V (+)
- ORANGE - ILLUMINATION (+)
- LTGREEN - E-BRAKE (-)
- GREEN/BLACK - FOOT BRAKE
- BROWN (NOT CONNECTED)

BACKUP CAM

STEP 2
- GREEN - GREEN

STEP 3
- RED - RED

STEP 4
- GREEN - NOT CONNECTED

GMA HARNESS

STEP 5
- main harness
- RCA cable
- WIRES FROM VEHICLE
- DATA CABLE
- AUDIO CABLE
- SPEAKER
- OBDII CONNECTOR
- MAESTRO RR MODULE
- BACKUP CAMERA HARNESS
- FACTORY RADIO HARNESS
- OBDII CONNECTOR
- AUDIO CABLE
- GREEN GREEN
- RED RED

STEP 6
- SEE RADIO WIRE REFERENCE CHART FOR RADIO WIRE COLORS

CONNECT TO AFTERMARKET RADIO

WIRING DIAGRAM with an Amplifier

GM2 T-HARNESS

SEE RADIO WIRE REFERENCE CHART FOR RADIO WIRE COLORS

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ADS-RR(GM)-GM505-DS maestro.idatalink.com 5
WIRING DIAGRAM without an Amplifier

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

**STEP 2**
Green - LF speaker (+)
White/Black - LF speaker (-)
Gray - RF speaker (+)
Gray/Black - RF speaker (-)
Green - LR speaker (+)
Green/Black - LR 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 3**
Factory radio harness with OBDII connector.

**STEP 4**
GM2 harness with OBDII connector.

**STEP 5**
Connect to aftermarket radio.

**STEP 6**
Connect the RCA cable to the backup camera harness.

See radio wire reference chart for radio wire colors.

CUT AND REMOVE THE SPEAKER WIRE JUNCTION CONNECTORS.

GREEN GREEN
RED RED
GREEN NOT CONNECTED

FACTORY RADIO HARNESS

BACKUP CAMERA HARNESS

GM2 HARNESS

OBDII CONNECTOR

MAESTRO RR MODULE

STEP 2

STEP 3

STEP 4

STEP 5

STEP 6

WIRING DIAGRAM without an Amplifier

GMC SIERRA 1500 WITH NAV 2012-2013

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ADS-RR(SR)-GMS05-DS
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<td>VSS [vehicle speed sensor]</td>
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INSTALL GUIDE

GMC SIERRA 1500
WITHOUT NAV 2012-2014

RETAINS STEERING WHEEL CONTROLS, ONSTAR, BLUETOOTH, XM SATELLITE AND MORE!

PRODUCTS REQUIRED
iDatalink Maestro RR Radio Replacement Interface
iDatalink Maestro GM5+ Installation Harness

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**STEP 2**

**IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:**

Follow the installation instructions and complete the installation as shown in the wiring diagram **with an amplifier** and read the "AMPLIFIER ONLY" note to determine if you should use RCA’s or level matching circuits.

**IF YOUR VEHICLE NOT IS EQUIPPED WITH A FACTORY AMPLIFIER:**

Follow the installation instructions and complete the installation as shown in the wiring diagram **without an amplifier.**
INSTALLATION INSTRUCTIONS

STEP 1
- Unbox the aftermarket radio and locate its main harness.
- Connect the wires shown on the next page from aftermarket radio main harness to the GM5+ T-harness and match the wire functions.

STEP 2
- Connect the factory harness to the GM5+ T-harness.

STEP 3
- Access the OBDII connector located under the driver side dashboard.
- Connect the BROWN /RED wire of the GM5+ T-harness to the wire located at pin 6 of the OBDII connector. (See the vehicle wire chart reference for wire colors)
- Connect the BROWN /YELLOW wire of the GM5+ T-harness to the wire located at pin 14 of the OBDII connector. (See the vehicle wire chart reference for wire colors)

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.

STEP 5
- Connect all the harnesses to the Maestro RR module then proceed to module setup.

The module is now ready to be used.
Insert the aftermarket radio in the dashboard housing and test all the functionalities.
Reassemble the dashboard carefully.

AMPLIFIER ONLY
Determine if you should use RCA’s or level matching circuits

- If your vehicle is equipped with a factory amplifier you can connect the RCA wiring to the low level outputs of your aftermarket radio, or connect the level matching circuits to the speaker outputs of the aftermarket radio.
- If your aftermarket radio does not have low level outputs, has only a single RCA output, or the RCA output level is 2 volts or less then it is recommended to connect the level matching circuit to the speaker outputs. If the volume does not go loud enough using the RCA connections, the level matching circuits can be used.
- The internal amplifier in some radios is not compatible with the level matching circuit. In these cases, there will be floor noise (hissing or buzzing at low levels) when the level matching circuit is connected. Change to the RCA connections to eliminate this noise.

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
CONNECT TO RADIO WITH LOW LEVEL OUTPUT:
- 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 (-)
- TAN - BACKUP CAM

CONNECT TO RADIO WITH HIGH LEVEL OUTPUT:
- 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 (-)
- BROWN - BACKUP CAM

STEP 2
FACTORY RADIO HARNESS

STEP 3
ORDDI CONNECTOR
- BROWN/RED - CANH
- BROWN/YELLOW - CANL
- TAN/BLACK
- TAN

STEP 4
CONNECT TO AFTERMARKET RADIO

STEP 5
CONNECT TO RADIO WITH LOW LEVEL OUTPUT:
- 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

SEE RADIO WIRE REFERENCE CHART FOR RADIO WIRE COLORS

OR
CONNECT TO RADIO WITH HIGH LEVEL OUTPUT:
- BLACK - GROUND

NOTE: PIN SIDE VIEW.
CONNECT TO TWISTED WIRES BEHIND CONNECTOR.
WIRING DIAGRAM without an Amplifier

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

**STEP 2**
- Factory radio harness.
- Connect to aftermarket radio data cable.

**STEP 3**
- Connect to twisted wires behind connector.
- Note: Pin side view.

**STEP 4**
- Connect backup cam.
- See radio wire reference chart for radio wire colors.

**STEP 5**
- Connect wires from vehicle to Maestro RR module.
## 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

**GMC SIERRA 2500 & 3500**  
**2007-2011**

**RETAINS STEERING WHEEL CONTROLS, ONSTAR, BLUETOOTH, XM SATELLITE AND MORE!**

## PRODUCTS REQUIRED
- iDatalink Maestro RR Radio Replacement Interface
- iDatalink Maestro GM5+ Installation Harness

## OPTIONAL ACCESSORIES
- None

## PROGRAMMED FIRMWARE
- ADS-RR(SR)-GMS05-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

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<tr>
<td>Radio Wire Reference Chart</td>
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</table>
BEFORE INSTALLING

**STEP 1**

DETERMINE IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

**METHOD 1:** Look for the following logos in the vehicle. They are usually on the speaker covers or on the radio unit. If you find any of the following logos Bose, Pioneer or Monsoon, you have a factory amplifier.

**METHOD 2:** Look for the following sticker in the glove box. This sticker will indicate all the Regular Production Option (RPO) codes. If you find any of the following codes UQA, UQS or UQG, you have a factory amplifier.

**STEP 2**

IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram with an amplifier and read the “AMPLIFIER ONLY” note to determine if you should use rca’s or level matching circuits.

IF YOUR VEHICLE NOT IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram without an amplifier.
INSTALLATION INSTRUCTIONS

STEP 1
• Unbox the aftermarket radio and locate its main harness.
• Connect the wires shown on the next page from aftermarket radio main harness to the GM5+ T-harness and match the wire functions.

STEP 2
• Connect the factory harness to the GM5+ T-harness.

STEP 3
• Access the OBDII connector located under the driver side dashboard.
• Connect the BROWN/RED wire of the GM5+ T-harness to the wire located at pin 6 of the OBDII connector. (See the vehicle wire chart reference for wire colors)
• Connect the BROWN/YELLOW wire of the GM5+ T-harness to the wire located at pin 14 of the OBDII connector. (See the vehicle wire chart reference for wire colors)

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.

STEP 5
• Connect all the harnesses to the Maestro RR module then proceed to module setup.

The module is now ready to be used.

Insert the aftermarket radio in the dashboard housing and test all the functionalities.
Reassemble the dashboard carefully.

AMPLIFIER ONLY
DETERMINE IF YOU SHOULD USE RCA’S OR LEVEL MATCHING CIRCUITS

• If your vehicle is equipped with a factory amplifier you can connect the RCA wiring to the low level outputs of your aftermarket radio, or connect the level matching circuits to the speaker outputs of the aftermarket radio.
• If your aftermarket radio does not have low level outputs, has only a single RCA output, or the RCA output level is 2 volts or less then it is recommended to connect the level matching circuit to the speaker outputs. If the volume does not go loud enough using the RCA connections, the level matching circuits can be used.
• The internal amplifier in some radios is not compatible with the level matching circuit. In these cases, there will be floor noise (hissing or buzzing at low levels) when the level matching circuit is connected. Change to the RCA connections to eliminate this noise.

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**
CONNECT TO RADIO WITH LOW LEVEL OUTPUT:
- 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 (-)

**STEP 2**
FACTORY RADIO HARNESS

**STEP 3**
OR - CONNECT TO RADIO WITH LOW LEVEL OUTPUT:
- 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
- BROWN (NOT CONNECTED)

**STEP 4**
CONNECT TO RADIO WITH HIGH LEVEL OUTPUT:

**STEP 5**
NOTE: PIN SIDE VIEW.
CONNECT TO TWISTED WIRES BEHIND CONNECTOR.
- 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 (+)
- BROWN/RED - CANH
- BROWN/YELLOW - CANL

SEE RADIO WIRE REFERENCE CHART FOR RADIO WIRE COLORS.

Audio Cables
- RCA CABLES
- FACTORY RADIO HARNESS
- WIRES FROM VEHICLE
- DATA CABLE
- SPEAKER
- MAESTRO RR MODULE

**GMS05+ T-HARNESS**
- 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 (-)
- YELLOW - 12V (+)
- BLACK - GROUND
- RED - ACCESSORY (+)
- BLUE/WHITE - AMP TURN ON (+)
- PURPLE - RR SPEAKER (+)
- ORANGE - ILLUMINATION (+)
- PURPLE/WHITE - REVERSE LIGHT (+)
- LTGREEN - E-BRAKE (-)
- YELLOW/BLACK - FOOT BRAKE
- BROWN (NOT CONNECTED)
WIRING DIAGRAM without an Amplifier

**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 (-)
- YELLOW/BLACK - FOOT BRAKE
- BROWN (NOT CONNECTED)

**STEP 2**
FACTORY RADIO HARNESS

**STEP 3**
GM300+ T-HARNESS

**STEP 4**
MAESTRO RR MODULE

**STEP 5**
SPEAKER

- BROWN/RED - CANH
- BROWN/YELLOW - CANL
- BROWN/BLACK - TAN
- TAN/BLACK

NOTE: PIN SIDE VIEW. CONNECT TO TWISTED WIRES BEHIND CONNECTOR.
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<td>N/A</td>
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<tr>
<td>VSS [vehicle speed sensor]</td>
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<td>Pink</td>
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INSTALL GUIDE
GMC SIERRA 2500 & 3500
WITHOUT NAV 2012-2014

RETAINS STEERING WHEEL CONTROLS, ONSTAR, BLUETOOTH, XM SATELLITE AND MORE!

PRODUCTS REQUIRED
iDatalink Maestro RR Radio Replacement Interface
iDatalink Maestro GM5+ Installation Harness

OPTIONAL ACCESSORIES
None

PROGRAMMED Firmware
ADS-RR(SR)-GMS05-DS

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WELCOME

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STEP 2

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- Insert the Audio cable into the iDatalink 3.5 mm audio jack of the aftermarket radio.

STEP 5
- Connect all the harnesses to the Maestro RR module then proceed to module setup.

The module is now ready to be used.
Insert the aftermarket radio in the dashboard housing and test all the functionalities.
Reassemble the dashboard carefully.

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WIRING DIAGRAM with an Amplifier

**STEP 1**
CONNECT TO RADIO WITH LOW LEVEL OUTPUT:
- 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 (-)

**STEP 2**
FACTORY RADIO HARNESS

**STEP 3**
OBDDI CONNECTOR

**STEP 4**
CONNECT TO AFTERMARKET RADIO

**STEP 5**
CONNECT TO TWISTED WIRES BEHIND CONNECTOR.

NOTE: PIN SIDE VIEW.

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

- WHITE/BLACK - LF SPEAKER (-)
- GRAY/BLACK - RF SPEAKER (-)
- GREEN/BLACK - LR SPEAKER (-)
- PURPLE/BLACK - RR SPEAKER (-)
- BLUE/WHITE - AMP TURN ON (+)
- PURPLE - RR SPEAKER (+)
- ORANGE - ILLUMINATION (+)
- WHITE/BLACK - CANH
- BROWN/YELLOW - CANL
- TAN/BLACK
- TAN

- WHITE - RF SPEAKER (+)
- GRAY/BLACK - RF SPEAKER (-)
- GREEN/BLACK - LR SPEAKER (+)
- PURPLE/BLACK - RR SPEAKER (-)
- GRAY - RF SPEAKER (+)
- GRAY/BLACK - RF SPEAKER (-)
- GREEN - LR SPEAKER (+)
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- PURPLE/WHITE - REVERSE LIGHT (+)
- LT GREEN - E-BRAKE (-)
- YELLOW/BLACK - FOOT BRAKE
- TAN/BLACK
- BROWN (NOT CONNECTED)

**WIRING DIAGRAM with an Amplifier**

**STEP 1**
CONNECT TO RADIO WITH LOW LEVEL OUTPUT:
- WHITE - LF SPEAKER (+)
- WHITE/BLACK - LF SPEAKER (-)
- GRAY - RF SPEAKER (+)
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- GREEN - LR SPEAKER (+)
- GREEN/BLACK - LR SPEAKER (-)
- PURPLE - RR SPEAKER (+)
- PURPLE/BLACK - RR SPEAKER (-)

**STEP 2**
FACTORY RADIO HARNESS

**STEP 3**
OBDDI CONNECTOR

**STEP 4**
CONNECT TO AFTERMARKET RADIO

**STEP 5**
CONNECT TO TWISTED WIRES BEHIND CONNECTOR.

NOTE: PIN SIDE VIEW.

- WHITE - LF SPEAKER (+)
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- LT GREEN - E-BRAKE (-)
- YELLOW/BLACK - FOOT BRAKE
- TAN/BLACK
- BROWN (NOT CONNECTED)

- WHITE/BLACK - LF SPEAKER (-)
- GRAY/BLACK - RF SPEAKER (-)
- GREEN/BLACK - LR SPEAKER (-)
- PURPLE/BLACK - RR SPEAKER (-)
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- YELLOW/BLACK - FOOT BRAKE
- TAN/BLACK
- BROWN (NOT CONNECTED)
WIRING DIAGRAM without an Amplifier

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

**STEP 2**
Factory radio harness.

**STEP 3**
Obdii connector.

**STEP 4**
Main harness connect to aftermarket radio.

**STEP 5**
Maestro rr module.

CONNECT TO AFTERMARKET RADIO

BACKUP CAM

BRAKE CABLES

FACTORY RADIO HARNESS

WIRES FROM VEHICLE

STEP 4

NOTE: PIN SIDE VIEW.
Connect to twisted wires behind connector.

**WIRING DIAGRAM**

NOTE: PIN SIDE VIEW.
Connect to twisted wires behind connector.

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

**STEP 2**
Factory radio harness.

**STEP 3**
Obdii connector.

**STEP 4**
Main harness connect to aftermarket radio.

**STEP 5**
Maestro rr module.

CONNECT TO AFTERMARKET RADIO

BACKUP CAM

BRAKE CABLES

FACTORY RADIO HARNESS

WIRES FROM VEHICLE

**WIRING DIAGRAM**

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WIRES FROM VEHICLE

**WIRING DIAGRAM**

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

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<tr>
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<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>
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</tr>
<tr>
<td>E-Brake</td>
<td>(-)</td>
<td>Lt Green</td>
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<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>
INSTALL GUIDE
GMC SIERRA 2500
WITH NAV 2012-2014
RETAINS STEERING WHEEL CONTROLS, ONSTAR, BLUETOOTH, XM SATELLITE AND MORE!

PRODUCTS REQUIRED
iDatalink Maestro RR Radio Replacement Interface
iDatalink Maestro GM5+ Installation Harness

OPTIONAL ACCESSORIES
None

PROGRAMMED Firmware
ADS-RR(SR)-GMS05-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.

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<td>7</td>
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</table>

NEED HELP?

1 866 427-2999

support@idatalink.com

maestro.idatalink.com/support

www.12voltdata.com/forum
BEFORE INSTALLING

**STEP 1**

DETERMINE IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

**METHOD 1:** Look for the following logos in the vehicle. They are usually on the speaker covers or on the radio unit. If you find any of the following logos Bose, Pioneer or Monsoon, you have a factory amplifier.

**METHOD 2:** Look for the following sticker in the glove box. This sticker will indicate all the Regular Production Option (RPO) codes. If you find any of the following codes UQA, UQS or UQG, you have a factory amplifier.

**STEP 2**

IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram with an amplifier and read the "AMPLIFIER ONLY" note to determine if you should use RCA's or level matching circuits.

IF YOUR VEHICLE NOT IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram without an amplifier.
INSTALLATION INSTRUCTIONS

STEP 1
• Unbox the aftermarket radio and locate its main harness.
• Connect the wires shown on the next page from aftermarket radio main harness to the GM2 T-harness and match the wire functions.
• Remove the factory radio.

STEP 2
• Connect the GREEN male 2 pin connector of the backup camera cable to the GREEN female connector of the backup camera adapter. Connect GRAY connector of adapter to the vehicle backup camera harness.

STEP 3
• Connect the factory harness to the GM2 T-harness. Ensure that the RED 2 pin plugs are connected.

STEP 4
• Plug the OBDII connector into the OBDII of the vehicle, under driver dash.

STEP 5
• Plug the aftermarket radio harnesses into the aftermarket radio.
• Connect the backup camera RCA cable 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 6
• Connect all the harnesses to the Maestro RR module then 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 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/Black - Accessory (+)
- Yellow - 12V (+)
- Orange - Illumination (+)
- Purple/White - Reverse Light (+)
- Light Green - E-Brake (-)
- Pink - Vehicle Speed
- Yellow/Black - Foot Brake
- Brown (Not Connected)

**STEP 2**
- Green and Green - Backup Camera Harness

**STEP 3**
- Red and Red - Factory Radio Harness

**STEP 4**
- Green - Not Connected - OBDII Connector

**STEP 5**
- Main Harness to Aftermarket Radio

**STEP 6**
- RCA Cable
- Connect to Aftermarket Radio

**Diagram Notes:**
- See radio wire reference chart for radio wire colors.
- Audio Cable
- Speaker
- Maestro RR Module
WIRING DIAGRAM without an Amplifier

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

**STEP 2**
Connect the backup camera harness.

**STEP 3**
Connect the factory radio harness.

**STEP 4**
Connect the OBDII connector.

**STEP 5**
Connect to the aftermarket radio.

**STEP 6**
Connect the speaker.

- **Wires from Vehicle**
  - Green/White - LF SPEAKER (+)
  - Green/Black - LF SPEAKER (-)
  - Gray/White - RF SPEAKER (+)
  - Gray/Black - RF SPEAKER (-)
  - Purple/White - LR SPEAKER (+)
  - Purple/Black - LR SPEAKER (-)
  - Green/White - RR SPEAKER (+)
  - Green/Black - RR SPEAKER (-)
  - Brown (NOT CONNECTED)

- **Audio Cable**
  - Yellow/Black - FOOT BRAKE
  - Pink - VEHICLE SPEED
  - Orange - ILLUMINATION (+)
  - Purple/White - REVERSE LIGHT (+)
  - LTGreen - E-BRAKE (-)
  - Yellow - 12V (+)
  - Black - GROUND
  - Red - ACCESSORY (+)
  - Yellow - 12V (+)
  - Orange - ILLUMINATION (+)
  - Purple/White - REVERSE LIGHT (+)
  - LTGreen - E-BRAKE (-)

- **Data Cable**
  - See radio wire reference chart for radio wire colors.

- **Backup Camera**
  - RCA Cable
  - Green
  - Not connected

- **Main Harness**
  - Connect to the Maestro RR module.
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INSTALL GUIDE
GMC YUKON
2007-2011

RETAINS STEERING WHEEL CONTROLS, ONSTAR, BLUETOOTH, XM SATELLITE AND MORE!

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BEFORE INSTALLING

**STEP 1**

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**METHOD 2:** Look for the following sticker in the glove box. This sticker will indicate all the Regular Production Option (RPO) codes. If you find any of the following codes UQA, UQS or UQG, you have a factory amplifier.

**SERVICE PARTS IDENTIFICATION**

<table>
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<th>Part Number</th>
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<tbody>
<tr>
<td>2GCEK19N031344764</td>
<td>143 5 FXWH2Q CK5753</td>
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<tr>
<td>A01</td>
<td>A02</td>
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<td>B05</td>
<td>B06</td>
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<td>E0A</td>
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<td>R5U</td>
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<td>U4F</td>
<td>U5G</td>
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<tr>
<td>V5K</td>
<td>V6L</td>
</tr>
<tr>
<td>Y5S</td>
<td>Z0C</td>
</tr>
<tr>
<td>B0C</td>
<td>C03</td>
</tr>
</tbody>
</table>

**DO NOT REMOVE**

- 143 5 FXWH2Q CK5753
- A01 A02
- B05 B06
- E0A E08
- K47 K58
- R4Y R5U
- U4F U5G
- V5K V6L
- Y5S Z0C
- B0C C03

**STEP 2**

IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram with an amplifier and read the "AMPLIFIER ONLY" note to determine if you should use RCA’s or level matching circuits.

IF YOUR VEHICLE NOT IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram without an amplifier.
INSTALLATION INSTRUCTIONS

STEP 1
• Unbox the aftermarket radio and locate its main harness.
• Connect the wires shown on the next page from aftermarket radio main harness to the GM5+ T-harness and match the wire functions.

STEP 2
• Connect the factory harness to the GM5+ T-harness.

STEP 3
• Access the OBDII connector located under the driver side dashboard.
• Connect the BROWN/RED wire of the GM5+ T-harness to the wire located at pin 6 of the OBDII connector. (See the vehicle wire chart reference for wire colors)
• Connect the BROWN/YELLOW wire of the GM5+ T-harness to the wire located at pin 14 of the OBDII connector. (See the vehicle wire chart reference for wire colors)

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.

STEP 5
• Connect all the harnesses to the Maestro RR module then proceed to module setup.

The module is now ready to be used.
Insert the aftermarket radio in the dashboard housing and test all the functionalities.
Reassemble the dashboard carefully.

AMPLIFIER ONLY

DETERMINE IF YOU SHOULD USE RCA’S OR LEVEL MATCHING CIRCUITS

• If your vehicle is equipped with a factory amplifier you can connect the RCA wiring to the low level outputs of your aftermarket radio, or connect the level matching circuits to the speaker outputs of the aftermarket radio.
• If your aftermarket radio does not have low level outputs, has only a single RCA output, or the RCA output level is 2 volts or less then it is recommended to connect the level matching circuit to the speaker outputs. If the volume does not go loud enough using the RCA connections, the level matching circuits can be used.
• The internal amplifier in some radios is not compatible with the level matching circuit. In these cases, there will be floor noise (hissing or buzzing at low levels) when the level matching circuit is connected. Change to the RCA connections to eliminate this noise.

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**
CONNECT TO RADIO WITH LOW LEVEL OUTPUT:
- **WHITE** - LF SPEAKER (+)
- **WHITE/BLACK** - RF SPEAKER (+)
- **GRAY** - LF SPEAKER (-)
- **GRAY/BLACK** - RF SPEAKER (-)
- **GREEN** - LR SPEAKER (+)
- **GREEN/BLACK** - LR SPEAKER (-)
- **PURPLE** - RR SPEAKER (+)
- **PURPLE/BLACK** - RR SPEAKER (-)

**STEP 2**
FACTORY RADIO HARNESS

**STEP 3**
OBDDI CONNECTOR

**STEP 4**
MAIN HARNESS

**STEP 5**
CONNECT TO AFTERMARKET RADIO

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

OR
CONNECT TO RADIO WITH LOW LEVEL OUTPUT:
- **WHITE/BLACK** - LF SPEAKER (+)
- **GRAY/BLACK** - RF SPEAKER (+)
- **GREEN/BLACK** - LR SPEAKER (+)
- **PURPLE/BLACK** - RR SPEAKER (+)

OR
CONNECT TO RADIO WITH HIGH LEVEL OUTPUT:
- **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 (-)

SEE RADIO WIRE REFERENCE CHART FOR RADIO WIRE COLORS

**WIRING DIAGRAM**

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

**CONNECT TO TWISTED WIRES BEHIND CONNECTOR.**

**FACTORY RADIO HARNESS**

**WIRES FROM VEHICLE**

**DATA CABLE**

**MAESTRO RR MODULE**

**SPEAKER**

**OBDII CONNECTOR**

**STEP 2**

**STEP 3**

**STEP 4**

**STEP 5**

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

**OR**
Connect to radio with low level output:
- **WHITE/BLACK** - LF SPEAKER (+)
- **GRAY/BLACK** - RF SPEAKER (+)
- **GREEN/BLACK** - LR SPEAKER (+)
- **PURPLE/BLACK** - RR SPEAKER (+)

**OR**
Connect to radio with high level output:
- **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 (-)

See radio wire reference chart for radio wire colors.

**WIRING DIAGRAM**

- **YELLOW/BLACK** - FOOT BRAKE
- **ORANGE** - ILLUMINATION (+)
- **PURPLE/WHITE** - REVERSE LIGHT (+)
- **LTGREEN** - E-BRAKE (-)
- **YELLOW/BLACK** - FOOT BRAKE
- **BROWN** - NOT CONNECTED

**CONNECT TO TWISTED WIRES BEHIND CONNECTOR.**

**FACTORY RADIO HARNESS**

**WIRES FROM VEHICLE**

**DATA CABLE**

**SPEAKER**

**OBDII CONNECTOR**

**STEP 2**

**STEP 3**

**STEP 4**

**STEP 5**

**NOTE:** Pin side view.
Connect to twisted wires behind connector.
**WIRING DIAGRAM without an Amplifier**

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

Motorcycle 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 (-)
- **Yellow/Black** - Foot Brake
- **Brown** (Not Connected)

**STEP 2**
Factory radio harness.

**STEP 3**
OBDII connector.
- **Brown/Red** - CANH
- **Brown/Yellow** - CANL
- **Tan/Black**
- **Tan/Black**
- **Tan**

**STEP 4**
Main harness.
Connect to backup cam.

**STEP 5**
Cut and remove the speaker wire junction connectors.

NOTE: PIN SIDE VIEW.
Connect to twisted wires behind connector.

Connect to aftermarket radio.
See radio wire reference chart for radio wire colors.

Connect to twisted wires behind connector.

NOTE: PIN SIDE VIEW.
# RADIO WIRE REFERENCE CHART

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

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NEED HELP?

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

STEP 1

DETERMINE IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

METHOD 1: Look for the following logos in the vehicle. They are usually on the speaker covers or on the radio unit. If you find any of the following logos Bose, Pioneer or Monsoon, you have a factory amplifier.

METHOD 2: Look for the following sticker in the glove box. This sticker will indicate all the Regular Production Option (RPO) codes. If you find any of the following codes UQA, UQS or UQG, you have a factory amplifier.

STEP 2

IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram with an amplifier and read the “AMPLIFIER ONLY” note to determine if you should use RCA’s or level matching circuits.

IF YOUR VEHICLE NOT IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram without an amplifier.
INSTALLATION INSTRUCTIONS

STEP 1
• Unbox the aftermarket radio and locate its main harness.
• Connect the wires shown on the next page from aftermarket radio main harness to the GM2 T-harness and match the wire functions.
• Remove the factory radio.

STEP 2
• Connect the GREEN male 2 pin connector of the backup camera cable to the GREEN female connector of the backup camera adapter. Connect GRAY connector of adapter to the vehicle backup camera harness.

STEP 3
• Connect the factory harness to the GM2 T-harness. Ensure that the RED 2 pin plugs are connected.

STEP 4
• Plug the OBDII connector into the OBDII of the vehicle, under driver dash.

STEP 5
• Plug the aftermarket radio harnesses into the aftermarket radio.
• Connect the backup camera RCA cable 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 6
• Connect all the harnesses to the Maestro RR module then 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 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 (+)
- YELLOW - 12V (+)
- ORANGE - ILLUMINATION (+)
- PURPLE/WHITE - REVERSE LIGHT (+)
- LTGREEN - E-BRAKE (-)
- YELLOW/BLACK - FOOT BRAKE
- BROWN (NOT CONNECTED)

STEP 2
- GREEN - GREEN
- RED - RED

STEP 3
- FACTORY RADIO HARNESS

STEP 4
- OBDII CONNECTOR
- GREEN (NOT CONNECTED)

STEP 5
- MAIN HARNESS
- CONNECT TO AFTERMARKET RADIO
- RCA CABLE
- WIRES FROM VEHICLE
- BACKUP CAM

STEP 6
- SPEAKER
- DATA CABLE
- AUDIO CABLE
- MAESTRO RR MODULE
- BACKUP CAMERA HARNESS
- FACTORY RADIO HARNESS
- OBDII CONNECTOR
- GREEN (NOT CONNECTED)
WIRING DIAGRAM without an Amplifier

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

**STEP 2**
Connect backup camera harness.

**STEP 3**
Connect factory radio harness.

**STEP 4**
Connect OBDII connector.

**STEP 5**
Connect to aftermarket radio using main harness.

**STEP 6**
Connect to vehicle using wires from vehicle.

**FACTORY RADIO HARNESS**
- RED - LF SPEAKER (+)
- WHITE - LF SPEAKER (-)
- WHITE/BLACK - LF SPEAKER (-)
- GRAY - RF SPEAKER (+)
- GRAY/BLACK - RF SPEAKER (-)
- GREEN - LR SPEAKER (+)
- GREEN/BLACK - LR SPEAKER (-)
- PURPLE - RR SPEAKER (+)
- BLUE/WHITE - AM. TURBO ON (+)
- BLACK - GROUND
- RED - ACCESSORY (+)
- YELLOW - 12V (+)
- PURPLE/WHITE - Reverse light (+)
- LTGREEN - E-BRAKE (-)
- YELLOW/BLACK - Foot brake
- ORANGE - Illumination (+)
- PURPLE/WHITE - REVERSE LIGHT (+)
- BLUE - ACC. TURN ON (+)

**BACKUP CAMERA HARNESS**
- GREEN - LF SPEAKER (+)
- GREEN/BLACK - LF SPEAKER (-)
- BLK - GROUND
- BROWN (NOT CONNECTED)

**MAIN HARNESS**
- RCA CABLE
- BACKUP CAM

**WIRING COLORS**
- SEE RADIO WIRE REFERENCE CHART FOR RADIO WIRE COLORS
## RADIO WIRE REFERENCE CHART

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<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

GMC YUKON

WITHOUT NAV 2012-2014

RETAINS STEERING WHEEL CONTROLS, ONSTAR, BLUETOOTH, XM SATELLITE AND MORE!

PRODUCTS REQUIRED

- iDatalink Maestro RR Radio Replacement Interface
- iDatalink Maestro GM5+ Installation Harness

OPTIONAL ACCESSORIES

None

PROGRAMMED Firmware

ADS-RR(SR)-GMS05-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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BEFORE INSTALLING

**STEP 1**

**DETERMINE IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:**

**METHOD 1:** Look for the following logos in the vehicle. They are usually on the speaker covers or on the radio unit. If you find any of the following logos Bose, Pioneer or Monsoon, you have a factory amplifier.

**METHOD 2:** Look for the following sticker in the glove box. This sticker will indicate all the Regular Production Option (RPO) codes. If you find any of the following codes UQA, UQS or UQG, you have a factory amplifier.

**STEP 2**

**IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:**

Follow the installation instructions and complete the installation as shown in the wiring diagram **with an amplifier** and read the "AMPLIFIER ONLY" note to determine if you should use RCA’s or level matching circuits.

**IF YOUR VEHICLE NOT IS EQUIPPED WITH A FACTORY AMPLIFIER:**

Follow the installation instructions and complete the installation as shown in the wiring diagram **without an amplifier**.
INSTALLATION INSTRUCTIONS

STEP 1
- Unbox the aftermarket radio and locate its main harness.
- Connect the wires shown on the next page from aftermarket radio main harness to the GM5+ T-harness and match the wire functions.

STEP 2
- Connect the factory harness to the GM5+ T-harness.

STEP 3
- Access the OBDII connector located under the driver side dashboard.
- Connect the BROWN /RED wire of the GM5+ T-harness to the wire located at pin 6 of the OBDII connector. (See the vehicle wire chart reference for wire colors)
- Connect the BROWN /YELLOW wire of the GM5+ T-harness to the wire located at pin 14 of the OBDII connector. (See the vehicle wire chart reference for wire colors)

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.

STEP 5
- Connect all the harnesses to the Maestro RR module then proceed to module setup.

The module is now ready to be used.
Insert the aftermarket radio in the dashboard housing and test all the functionalities.
Reassemble the dashboard carefully.

AMPLIFIER ONLY
Determine if you should use RCA’s or level matching circuits

- If your vehicle is equipped with a factory amplifier you can connect the RCA wiring to the low level outputs of your aftermarket radio, or connect the level matching circuits to the speaker outputs of the aftermarket radio.
- If your aftermarket radio does not have low level outputs, has only a single RCA output, or the RCA output level is 2 volts or less then it is recommended to connect the level matching circuit to the speaker outputs. If the volume does not go loud enough using the RCA connections, the level matching circuits can be used.
- The internal amplifier in some radios is not compatible with the level matching circuit. In these cases, there will be floor noise (hissing or buzzing at low levels) when the level matching circuit is connected. Change to the RCA connections to eliminate this noise.

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**
Connect to radio with low level output:
- White/Black - LF Speaker
- Gray - RF Speaker
- Green/Black - LR Speaker
- Purple/Black - RR Speaker

**STEP 2**
Factory radio harness

**STEP 3**
Connect to twisted wires behind connector:
- Brown/Red - CANH
- Brown/Yellow - CANL
- TAN/Black

**STEP 4**
Connect to aftermarket radio:
- RCA cables
- Wires from vehicle

**STEP 5**
Maestro RR module

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

Connect to Twisted Wires:

- White/Black - LF Speaker
- Gray - RF Speaker
- Green/Black - LR Speaker
- Purple/Black - RR Speaker
- RED - ACCESSORY (+)
- YELLOW - 12V (+)
- ORANGE - ILLUMINATION (+)
- PURPLE/WHITE - REVERSE LIGHT (+)
- LTGREEN - E-BRAKE (-)
- YELLOW/BLACK - FOOT BRAKE
- Pink - Vehicle Speed

Connect to twisted wires behind connector:

- 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 (+)
- TAN - GROUND
- RED - ACCESSORY (+)
- PURPLE - RR SPEAKER (+)
- ORANGE - ILLUMINATION (+)
- PURPLE/WHITE - REVERSE LIGHT (+)
- LTGREEN - E-BRAKE (-)
- YELLOW/BLACK - FOOT BRAKE
- BROWN (NOT CONNECTED)
WIRING DIAGRAM without an Amplifier

**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 (-)
- YELLOW/BLACK - FOOT BRAKE
- BROWN (NOT CONNECTED)

**STEP 2**
FACTORY RADIO HARNESS

- CENTER (NOT CONNECTED)
- SUB (NOT CONNECTED)

**STEP 3**
OBDII CONNECTOR

- BROWN/RED - CANH
- BROWN/YELLOW - CANL
- TAN/BLACK
- TAN/BLACK

**STEP 4**
MAIN HARNESS

- ORANGE - ILLUMINATION (+)
- PURPLE/WHITE - REVERSE LIGHT (+)
- LTGREEN - E-BRAKE (-)
- YELLOW/BLACK - FOOT BRAKE
- PURPLE - RR SPEAKER (+)

**STEP 5**
MAESTRO RR MODULE

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

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</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>
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INSTALL GUIDE
GMC YUKON XL
2007-2011
RETAINS STEERING WHEEL CONTROLS, ONSTAR, BLUETOOTH, XM SATELLITE AND MORE!

PRODUCTS REQUIRED
iDatalink Maestro RR Radio Replacement Interface
iDatalink Maestro GM5+ Installation Harness

OPTIONAL ACCESSORIES
None

PROGRAMMED Firmware
ADS-RR(SR)-GMS05-DS

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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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BEFORE INSTALLING

**STEP 1**

**DETERMINE IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:**

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**STEP 2**

**IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:**

Follow the installation instructions and complete the installation as shown in the wiring diagram with an amplifier and read the "AMPLIFIER ONLY" note to determine if you should use rca’s or level matching circuits.

**IF YOUR VEHICLE NOT IS EQUIPPED WITH A FACTORY AMPLIFIER:**

Follow the installation instructions and complete the installation as shown in the wiring diagram without an amplifier.
INSTALLATION INSTRUCTIONS

STEP 1
• Unbox the aftermarket radio and locate its main harness.
• Connect the wires shown on the next page from aftermarket radio main harness to the GM5+ T-harness and match the wire functions.

STEP 2
• Connect the factory harness to the GM5+ T-harness.

STEP 3
• Access the OBDII connector located under the driver side dashboard.
• Connect the BROWN /RED wire of the GM5+ T-harness to the wire located at pin 6 of the OBDII connector. (See the vehicle wire chart reference for wire colors)
• Connect the BROWN /YELLOW wire of the GM5+ T-harness to the wire located at pin 14 of the OBDII connector. (See the vehicle wire chart reference for wire colors)

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.

STEP 5
• Connect all the harnesses to the Maestro RR module then proceed to module setup.

The module is now ready to be used.
Insert the aftermarket radio in the dashboard housing and test all the functionalities.
Reassemble the dashboard carefully.

AMPLIFIER ONLY
DETERMINE IF YOU SHOULD USE RCA’S OR LEVEL MATCHING CIRCUITS
• If your vehicle is equipped with a factory amplifier you can connect the RCA wiring to the low level outputs of your aftermarket radio, or connect the level matching circuits to the speaker outputs of the aftermarket radio.
• If your aftermarket radio does not have low level outputs, has only a single RCA output, or the RCA output level is 2 volts or less then it is recommended to connect the level matching circuit to the speaker outputs. If the volume does not go loud enough using the RCA connections, the level matching circuits can be used.
• The internal amplifier in some radios is not compatible with the level matching circuit. In these cases, there will be floor noise [hissing or buzzing at low levels] when the level matching circuit is connected. Change to the RCA connections to eliminate this noise.

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**
CONNECT TO RADIO WITH LOW LEVEL OUTPUT:
- 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 (-)
- TAN/BLACK - SPEAKER
- TAN - OBDII CONNECTOR
- ORANGE - ILLUMINATION (+)
- PURPLE/WHITE - REVERSE LIGHT (+)
- LTGREEN - E-BRAKE (-)
- YELLOW/BLACK - FOOT BRAKE
- BROWN (NOT CONNECTED)

**STEP 2**
FACTORY RADIO HARNESS

**STEP 3**
OBDDII CONNECTOR
- BROWN/RED - CANH
- BROWN/YELLOW - CANL
- TAN/BLACK
- TAN

**STEP 4**
CONNECT TO AFTERMARKET RADIO
MAESTRO RR MODULE
MAIN HARNESS
RCA CABLES

**STEP 5**
AUDI CABLE
CONNECT TO RADIO WITH HIGH LEVEL OUTPUT:
- 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 - ACCESSORY (+)
- PURPLE/WHITE - REVERSE LIGHT (+)
- LTGREEN - E-BRAKE (-)
- YELLOW/BLACK - FOOT BRAKE
- PINK - VEHICLE SPEED
- GREEN - LR SPEAKER (+)
- GREEN/BLACK - LR SPEAKER (-)
- PURPLE/BLACK - RR SPEAKER (-)
- YELLOW - 12V (+)
- BLACK - GROUND
- RED - ACCESSORY (+)
- YELLOW - 12V (+)
- ORANGE - ACCESSORY (+)
- PURPLE/WHITE - REVERSE LIGHT (+)
- LTGREEN - E-BRAKE (-)
- YELLOW/BLACK - FOOT BRAKE
- PINK - VEHICLE SPEED
- GREEN - LR SPEAKER (+)
- GREEN/BLACK - LR SPEAKER (-)
- PURPLE/BLACK - RR SPEAKER (-)
- YELLOW - 12V (+)
- BLACK - GROUND
- RED - ACCESSORY (+)
- YELLOW - 12V (+)
- ORANGE - ACCESSORY (+)
- PURPLE/WHITE - REVERSE LIGHT (+)
- LTGREEN - E-BRAKE (-)
- YELLOW/BLACK - FOOT BRAKE
- PINK - VEHICLE SPEED
- GREEN - LR SPEAKER (+)
- GREEN/BLACK - LR SPEAKER (-)
- PURPLE/BLACK - RR SPEAKER (-)

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

SEE RADIO WIRE REFERENCE CHART FOR RADIO WIRE COLORS

CONNECT TO TWISTED WIRES BEHIND CONNECTOR.

GMS05+ T-HARNESS
FACTORY RADIO HARNESS
WIRING DIAGRAM with an Amplifier

SEE RADIO WIRE REFERENCE CHART FOR RADIO WIRE COLORS

CONNECT TO TWISTED WIRES BEHIND CONNECTOR.

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

GMS05+ T-HARNESS
**WIRING DIAGRAM without an Amplifier**

**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 (+)
- **PINK** - VEHICLE SPEED
- **YELLOW/BLACK** - FOOT BRAKE
- **BROWN** (NOT CONNECTED)

**STEP 2**
Factory radio harness.

- **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 (+)
- **PINK** - VEHICLE SPEED
- **YELLOW/BLACK** - FOOT BRAKE
- **BROWN** (NOT CONNECTED)

**STEP 3**
OBDII connector.

- **BROWN/RED** - CANH
- **BROWN/YELLOW** - CANL
- **TAN/BLACK**
- **BROWN/YELLOW** - CANL

**STEP 4**
Main harness.

**CONNECT TO AFTERMARKET RADIO**

**STEP 5**
Maestro RR module.

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

- **BROWN/RED** - CANH
- **BROWN/YELLOW** - CANL

---

**See radio wire reference chart for radio wire colors.**

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

**Connect to twisted wires behind connector.**

---

**GMC YUKON XL 2007-2011**

Autoimmune Data Solutions Inc. © 2017

ADS-RR(SR)-GMS05-DS maestro.idatalink.com 6
### RADIO WIRE REFERENCE CHART

<table>
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<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>
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</tr>
<tr>
<td>E-Brake</td>
<td>(-)</td>
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<td>Yellow/Blue</td>
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<td>Foot Brake</td>
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<td>Yellow/Black</td>
<td>N/A</td>
<td>N/A</td>
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<tr>
<td>VSS [vehicle speed sensor]</td>
<td>[DATA]</td>
<td>Pink</td>
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<td>Pink</td>
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</tbody>
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INSTALL GUIDE

GMC YUKON XL
WITH NAV 2012-2014

RETAINS STEERING WHEEL CONTROLS, ONSTAR, BLUETOOTH, XM SATELLITE AND MORE!

PRODUCTS REQUIRED
iDatalink Maestro RR Radio Replacement Interface
iDatalink Maestro GM5+ Installation Harness

OPTIONAL ACCESSORIES
None

PROGRAMMED Firmware
ADS-RR(SR)-GMS05-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.

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Installation Instructions 4
Wiring Diagram with an Amplifier 5
Wiring Diagram without an Amplifier 6
Radio Wire Reference Chart 7

NEED HELP?

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

**STEP 1**

**DETERMINE IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:**

**METHOD 1:** Look for the following logos in the vehicle. They are usually on the speaker covers or on the radio unit. If you find any of the following logos Bose, Pioneer or Monsoon, you have a factory amplifier.

**METHOD 2:** Look for the following sticker in the glove box. This sticker will indicate all the Regular Production Option (RPO) codes. If you find any of the following codes UQA, UQS or UQG, you have a factory amplifier.

**STEP 2**

**IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:**

Follow the installation instructions and complete the installation as shown in the wiring diagram with an amplifier and read the “AMPLIFIER ONLY” note to determine if you should use rca’s or level matching circuits.

**IF YOUR VEHICLE NOT IS EQUIPPED WITH A FACTORY AMPLIFIER:**

Follow the installation instructions and complete the installation as shown in the wiring diagram without an amplifier.
INSTALLATION INSTRUCTIONS

STEP 1
• Unbox the aftermarket radio and locate its main harness.
• Connect the wires shown on the next page from aftermarket radio main harness to the GM2 T-harness and match the wire functions.
• Remove the factory radio.

STEP 2
• Connect the GREEN male 2 pin connector of the backup camera cable to the GREEN female connector of the backup camera adapter. Connect GRAY connector of adapter to the vehicle backup camera harness.

STEP 3
• Connect the factory harness to the GM2 T-harness. Ensure that the RED 2 pin plugs are connected.

STEP 4
• Plug the OBDII connector into the OBDII of the vehicle, under driver dash.

STEP 5
• Plug the aftermarket radio harnesses into the aftermarket radio.
• Connect the backup camera RCA cable 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 6
• Connect all the harnesses to the Maestro RR module then 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
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 (+)
- BLUE/WHITE - AMP. TURN ON (+)
- BROWN - GROUND
- RED - ACCESSORY (+)
- YELLOW - 12V (+)
- ORANGE - ILLUMINATION (+)
- PURPLE/WHITE - REVERSE LIGHT (+)
- LT GREEN - E-BRAKE (-)
- LIGHT GREEN - FOOT BRAKE

SEE RADIO WIRE REFERENCE CHART FOR RADIO WIRE COLORS

STEP 2
BACKUP CAM
GREEN

STEP 3
FACTORY RADIO HARNESS
RED

STEP 4
OBDII CONNECTOR
GREEN

STEP 5
CONNECT TO AFTERMARKET RADIO
MAIN HARNESS

STEP 6
SPEAKER
MAESTRO RR MODULE
# RADIO WIRE REFERENCE CHART

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GMC YUKON XL
WITHOUT NAV 2012-2014
RETAINS STEERING WHEEL CONTROLS, ONSTAR, BLUETOOTH, XM SATELLITE AND MORE!

PRODUCTS REQUIRED
iDatalink Maestro RR Radio Replacement Interface
iDatalink Maestro GM5+ Installation Harness

OPTIONAL ACCESSORIES
None

PROGRAMMED Firmware
ADS-RR(SR)-GMS05-DS

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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.

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BEFORE INSTALLING

STEP 1

DETERMINE IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

METHOD 1: Look for the following logos in the vehicle. They are usually on the speaker covers or on the radio unit. If you find any of the following logos Bose, Pioneer or Monsoon, you have a factory amplifier.

METHOD 2: Look for the following sticker in the glove box. This sticker will indicate all the Regular Production Option (RPO) codes. If you find any of the following codes UQA, UQS or UQG, you have a factory amplifier.

STEP 2

IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram with an amplifier and read the "AMPLIFIER ONLY" note to determine if you should use RCA's or level matching circuits.

IF YOUR VEHICLE NOT IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram without an amplifier.
INSTALLATION INSTRUCTIONS

STEP 1
- Unbox the aftermarket radio and locate its main harness.
- Connect the wires shown on the next page from aftermarket radio main harness to the GM5+ T-harness and match the wire functions.

STEP 2
- Connect the factory harness to the GM5+ T-harness.

STEP 3
- Access the OBDII connector located under the driver side dashboard.
- Connect the BROWN /RED wire of the GM5+ T-harness to the wire located at pin 6 of the OBDII connector. (See the vehicle wire chart reference for wire colors)
- Connect the BROWN /YELLOW wire of the GM5+ T-harness to the wire located at pin 14 of the OBDII connector. (See the vehicle wire chart reference for wire colors)

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.

STEP 5
- Connect all the harnesses to the Maestro RR module then proceed to module setup.

The module is now ready to be used.
Insert the aftermarket radio in the dashboard housing and test all the functionalities.
Reassemble the dashboard carefully.

AMPLIFIER ONLY
DETERMINE IF YOU SHOULD USE RCA’S OR LEVEL MATCHING CIRCUITS
- If your vehicle is equipped with a factory amplifier you can connect the RCA wiring to the low level outputs of your aftermarket radio, or connect the level matching circuits to the speaker outputs of the aftermarket radio.
- If your aftermarket radio does not have low level outputs, has only a single RCA output, or the RCA output level is 2 volts or less then it is recommended to connect the level matching circuit to the speaker outputs. If the volume does not go loud enough using the RCA connections, the level matching circuits can be used.
- The internal amplifier in some radios is not compatible with the level matching circuit. In these cases, there will be floor noise (hissing or buzzing at low levels) when the level matching circuit is connected. Change to the RCA connections to eliminate this noise.

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**
CONNECT TO RADIO WITH LOW LEVEL OUTPUT:
- 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 (-)

**STEP 2**
FACTORY RADIO HARNESS

**STEP 3**
ORDII CONNECTOR
- BROWN/RED - CANH
- BROWN/YELLOW - CANL
- TAN/BLACK

**STEP 4**
CONNECT TO AFTERMARKET RADIO
- AUDIO CABLE

**STEP 5**
MAESTRO RR MODULE

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

WIRING COLORS:
- WHITE
- WHITE/BLACK
- GRAY
- GRAY/BLACK
- GREEN
- GREEN/BLACK
- PURPLE
- PURPLE/BLACK
- TAN
- TAN/BLACK
- ORANGE
- ORANGE - ILLUMINATION (+)
- PURPLE/WHITE - REVERSE LIGHT (+)
- LIGHT GREEN - E-BRAKE (-)
- YELLOW/BLACK - FOOT BRAKE
- PINK - VEHICLE SPEED

SEE RADIO WIRE REFERENCE CHART FOR RADIO WIRE COLORS

CONNECT TO TWISTED WIRES BEHIND CONNECTOR.

CONNECT TO RADIO WITH HIGH LEVEL OUTPUT:
- 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 (-)
- YELLOW/BLACK - FOOT BRAKE
- BROWN (NOT CONNECTED)

CONNECT TO TWISTED WIRES BEHIND CONNECTOR.

NOTE: PIN SIDE VIEW.

CONNECT TO RADIO WITH LOW LEVEL OUTPUT:
- 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 (-)

SEE RADIO WIRE REFERENCE CHART FOR RADIO WIRE COLORS

CONNECT TO TWISTED WIRES BEHIND CONNECTOR.
WIRING DIAGRAM without an Amplifier

**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 (-)
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YELLOW - 12V (+)
ORANGE - ILLUMINATION (+)
PURPLE/WHITE - REVERSE LIGHT (+)
PINK - VEHICLE SPEED
YELLOW/BLACK - FOOT BRAKE
BROWN (NOT CONNECTED)

**STEP 2**
FACTORY RADIO HARNESS

**STEP 3**
OBDII CONNECTOR

BROWN/RED - CANH
BROWN/YELLOW - CANL
TAN/BLACK

**STEP 4**
MAIN HARNESS
CONNECT TO AFTERMARKET RADIO
BGA CABLES
DATA CABLE
AUDIO CABLES
MAESTRO RR MODULE

**STEP 5**
CONNECT TO TWISTED WIRES BEHIND CONNECTOR.
NOTE: PIN SIDE VIEW.

CUT AND REMOVE THE SPEAKER WIRE JUNCTION CONNECTORS
WHITE - LF SPEAKER (+)
WHITE/BLACK - LF SPEAKER (-)
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GREEN - LR SPEAKER (+)
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PURPLE - RR SPEAKER (+)
PURPLE/BLACK - RR SPEAKER (-)
BLUE/WHITE - AMP TURN ON (+)
BLACK - GROUND
RED - ACCESSORY (+)
YELLOW - 12V (+)
ORANGE - ILLUMINATION (+)
PURPLE/WHITE - REVERSE LIGHT (+)
PINK - VEHICLE SPEED
YELLOW/BLACK - FOOT BRAKE
BROWN (NOT CONNECTED)

SEE RADIO WIRE REFERENCE CHART FOR RADIO WIRE COLORS

GM505+ T-HARNESS

BROWN/RED - CANH
BROWN/YELLOW - CANL
TAN/BLACK

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

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INSTALL GUIDE
HUMMER H2
2008-2009
RETAINS STEERING WHEEL CONTROLS, ONSTAR, BLUETOOTH, XM 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 GM5+ Installation Harness

OPTIONAL ACCESSORIES
None

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ADS-RR(SR)-GMS05-DS
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maestro.idatalink.com/support

www.12voltdata.com/forum
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Determine if your vehicle is equipped with a factory amplifier:

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![Bose Logo](image1.png)

![Pioneer Logo](image2.png)

![Monsoon Logo](image3.png)

**METHOD 2:** Look for the following sticker in the glove box. This sticker will indicate all the Regular Production Option (RPO) codes. If you find any of the following codes UQA, UQS or UQG, you have a factory amplifier.

![Sticker Image](image4.png)

STEP 2

If your vehicle is equipped with a factory amplifier:

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INSTALLATION INSTRUCTIONS

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- Unbox the aftermarket radio and locate its main harness.
- Connect the wires shown on the next page from aftermarket radio main harness to the GM5+ T-harness and match the wire functions.

**STEP 2**
- Connect the factory harness to the GM5+ T-harness.

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- Access the OBDII connector located under the driver side dashboard.
- Connect the BROWN /RED wire of the GM5+ T-harness to the wire located at pin 6 of the OBDII connector. (See the vehicle wire chart reference for wire colors)
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**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.

**STEP 5**
- Connect all the harnesses to the Maestro RR module then proceed to module setup.

The module is now ready to be used.
Insert the aftermarket radio in the dashboard housing and test all the functionalities.
Reassemble the dashboard carefully.

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**DETERMINE IF YOU SHOULD USE RCA’S OR LEVEL MATCHING CIRCUITS**

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- GRAY/BLACK - RF SPEAKER (-)
- GREEN - LR SPEAKER (+)
- GREEN/BLACK - LR SPEAKER (-)
- PURPLE - RR SPEAKER (+)
- PURPLE/BLACK - RR SPEAKER (-)
- TAN/BLACK - RGB (NOT CONNECTED)

**STEP 2**
FACTORY RADIO HARNESS

**STEP 3**
OBDII CONNECTOR
- BROWN/RED - CANH
- BROWN/YELLOW - CANL
- TAN/BLACK
- TAN

**STEP 4**
CONNECT TO AFTERMARKET RADIO
- RCA CABLES

**STEP 5**
CONNECT TO RADIO WITH HIGH LEVEL OUTPUT:
- WHITE - LF SPEAKER (+)
- WHITE/BLACK - LF SPEAKER (-)
- GRAY - RF SPEAKER (+)
- GRAY/BLACK - RF SPEAKER (-)
- GREEN - LR SPEAKER (+)
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- PURPLE/WHITE - REVERSE LIGHT (+)
- LTGREEN - E-BRAKE (-)
- YELLOW/BLACK - FOOT BRAKE
- PINK - VEHICLE SPEED

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

**MAESTRO RR MODULE**

**GMS05+ T-HARNESS**

SEE RADIO WIRE REFERENCE CHART FOR RADIO WIRE COLORS
WIRING DIAGRAM without an Amplifier

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

**STEP 2**
Factory radio harness.

**STEP 3**
Step 4
Step 5

**STEP 4**
Connect to the aftermarket radio.

**STEP 5**
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 (-)
- 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

See radio wire reference chart for radio wire colors.

Connect to twisted wires behind connector.

- Brown/Red - CANH
- Brown/Yellow - CANL
- Tan/Black
- Brown/Yellow - CANL

OBDII connector.

**WIRING DIAGRAM without an Amplifier**

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

**STEP 2**
Factory radio harness.

**STEP 3**
OBDII connector.

**STEP 4**
Connect to the aftermarket radio.

**STEP 5**
Maestro RR module.

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

- Brown/Red - CANH
- Brown/Yellow - CANL
- Tan/Black
- Brown/Yellow - CANL
- Tan

See radio wire reference chart for radio wire colors.

Connect to twisted wires behind connector.

- Brown/Red - CANH
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OBDII connector.
## RADIO WIRE REFERENCE CHART

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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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INSTALL GUIDE
SATURN OUTLOOK
2007-2010

RETAINS STEERING WHEEL CONTROLS, ONSTAR, BLUETOOTH, XM SATELLITE AND MORE!

PRODUCTS REQUIRED
iDatalink Maestro RR Radio Replacement Interface
iDatalink Maestro GM5+ Installation Harness

OPTIONAL ACCESSORIES
None

PROGRAMMED Firmware
ADS-RR(SR)-GMS05-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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BEFORE INSTALLING

**STEP 1**

**DETERMINE IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:**

**METHOD 1:** Look for the following logos in the vehicle. They are usually on the speaker covers or on the radio unit. If you find any of the following logos Bose, Pioneer or Monsoon, you have a factory amplifier.

**METHOD 2:** Look for the following sticker in the glove box. This sticker will indicate all the Regular Production Option (RPO) codes. If you find any of the following codes UQA, UQS or UQG, you have a factory amplifier.

---

**STEP 2**

**IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:**

Follow the installation instructions and complete the installation as shown in the wiring diagram with an amplifier and read the "AMPLIFIER ONLY" note to determine if you should use rca’s or level matching circuits.

**IF YOUR VEHICLE NOT IS EQUIPPED WITH A FACTORY AMPLIFIER:**

Follow the installation instructions and complete the installation as shown in the wiring diagram without an amplifier.
INSTALLATION INSTRUCTIONS

STEP 1
• Unbox the aftermarket radio and locate its main harness.
• Connect the wires shown on the next page from aftermarket radio main harness to the GM5+ T-harness and match the wire functions.

STEP 2
• Connect the factory harness to the GM5+ T-harness.

STEP 3
• Access the OBDII connector located under the driver side dashboard.
• Connect the BROWN /RED wire of the GM5+ T-harness to the wire located at pin 6 of the OBDII connector. (See the vehicle wire chart reference for wire colors)
• Connect the BROWN /YELLOW wire of the GM5+ T-harness to the wire located at pin 14 of the OBDII connector. (See the vehicle wire chart reference for wire colors)

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.

STEP 5
• Connect all the harnesses to the Maestro RR module then proceed to module setup.

The module is now ready to be used.
Insert the aftermarket radio in the dashboard housing and test all the functionalities.
Reassemble the dashboard carefully.

AMPLIFIER ONLY
DETERMINE IF YOU SHOULD USE RCA’S OR LEVEL MATCHING CIRCUITS

• If your vehicle is equipped with a factory amplifier you can connect the RCA wiring to the low level outputs of your aftermarket radio, or connect the level matching circuits to the speaker outputs of the aftermarket radio.
• If your aftermarket radio does not have low level outputs, has only a single RCA output, or the RCA output level is 2 volts or less then it is recommended to connect the level matching circuit to the speaker outputs. If the volume does not go loud enough using the RCA connections, the level matching circuits can be used.
• The internal amplifier in some radios is not compatible with the level matching circuit. In these cases, there will be floor noise (hissing or buzzing at low levels) when the level matching circuit is connected. Change to the RCA connections to eliminate this noise.

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**
Connect to radio with low level output:
- 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 (-)
- TAN/Black - Ground
- TAN - Accessory (+)
- TAN/Black - Accessory (-)
- Gray - 12V (+)
- Orange - Illumination (+)
- Purple/White - Reverse Light (+)
- LT Green/E-BRAKE (-)
- Yellow/Black - Foot Brake
- Brown (not connected)

**STEP 2**
From vehicle wires to main harness.

**STEP 3**
Connect to OBDII connector:
- Brown/Red - CANH
- Brown/Yellow - CANL
- Tan/Black
- Tan

**STEP 4**
Main harness to aftermarket radio.

**STEP 5**
Audio cable to speaker.

*NOTE: Pin side view. Connect to twisted wires behind connector.*
WIRING DIAGRAM without an Amplifier

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 (+)
PINK - VEHICLE SPEED
YELLOW/BLACK - FOOT BRAKE
BROWN (NOT CONNECTED)

STEP 2
FACTORY RADIO HARNESS

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 (+)
PINK - VEHICLE SPEED
YELLOW/BLACK - FOOT BRAKE
BROWN (NOT CONNECTED)

STEP 3
OBDII CONNECTOR

BROWN/RED - CANH
BROWN/YELLOW - CANL
TAN/BLACK
TAN

STEP 4
CONNECT TO AFTERMARKET RADIO

STEP 5
MAESTRO RR MODULE

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

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# INSTALL GUIDE

**BUICK ENCLAVE**

2008-2017

RETAINS STEERING WHEEL CONTROLS, ONSTAR, BLUETOOTH, XM SATELLITE AND MORE!

---

**PRODUCTS REQUIRED**

- iDatalink Maestro RR Radio Replacement Interface
- iDatalink Maestro GM5+ Installation Harness

**OPTIONAL ACCESSORIES**

None

**PROGRAMMED FIRMWARE**

ADS-RR(SR)-GMS05-DS

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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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NEED HELP?

1 866 427-2999

support@idatalink.com

maestro.idatalink.com/support

www.12voltdata.com/forum
BEFORE INSTALLING

STEP 1

DETERMINE IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

METHOD 1: Look for the following logos in the vehicle. They are usually on the speaker covers or on the radio unit. If you find any of the following logos Bose, Pioneer or Monsoon, you have a factory amplifier.

METHOD 2: Look for the following sticker in the glove box. This sticker will indicate all the Regular Production Option (RPO) codes. If you find any of the following codes UQA, UQS or UQG, you have a factory amplifier.

STEP 2

IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram with an amplifier and read the “AMPLIFIER ONLY” note to determine if you should use rca’s or level matching circuits.

IF YOUR VEHICLE NOT IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram without an amplifier.
INSTALLATION INSTRUCTIONS

STEP 1
- Unbox the aftermarket radio and locate its main harness.
- Connect the wires shown on the next page from aftermarket radio main harness to the GM5+ T-harness and match the wire functions.

STEP 2
- Connect the factory harness to the GM5+ T-harness.

STEP 3
- Access the OBDII connector located under the driver side dashboard.
- Connect the BROWN /RED wire of the GM5+ T-harness to the wire located at pin 6 of the OBDII connector. (See the vehicle wire chart reference for wire colors)
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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.

STEP 5
- Connect all the harnesses to the Maestro RR module then proceed to module setup.

The module is now ready to be used.
Insert the aftermarket radio in the dashboard housing and test all the functionalities.
Reassemble the dashboard carefully.

AMPLIFIER ONLY
DETERMINE IF YOU SHOULD USE RCA'S OR LEVEL MATCHING CIRCUITS
- If your vehicle is equipped with a factory amplifier you can connect the RCA wiring to the low level outputs of your aftermarket radio, or connect the level matching circuits to the speaker outputs of the aftermarket radio.
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- The internal amplifier in some radios is not compatible with the level matching circuit. In these cases, there will be floor noise [hissing or buzzing at low levels] when the level matching circuit is connected. Change to the RCA connections to eliminate this noise.

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**
- Cut and remove the speaker wire junction connectors.
- See radio wire reference chart for radio wire colors.

**STEP 2**
- Factory radio harness wires.
- See radio wire reference chart for radio wire colors.

**STEP 3**
- GMS05+ T-Harness.
- Connect to twisted wires behind connector.

**STEP 4**
- Connect to aftermarket radio.
- Main harness.

**STEP 5**
- MAESTRO RR module.
- Speaker.

**NOTES:**
- Pin side view.
- Connect to twisted wires behind connector.
## RADIO WIRE REFERENCE CHART

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<tr>
<td>E-Brake</td>
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<tr>
<td>Foot Brake</td>
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<td>N/A</td>
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<td>VSS [vehicle speed sensor]</td>
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INSTALL GUIDE
BUICK LUCERNE
2006-2011

RETAINS STEERING WHEEL CONTROLS, ONSTAR, BLUETOOTH, XM SATELLITE AND MORE!

PRODUCTS REQUIRED
iDatalink Maestro RR Radio Replacement Interface
iDatalink Maestro GM5+ Installation Harness

OPTIONAL ACCESSORIES
None

PROGRAMMED Firmware
ADS-RR(SR)-GMS05-DS

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NEED HELP?

1 866 427-2999
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maestro.idatalink.com/support
www.12voltdata.com/forum
BEFORE INSTALLING

STEP 1

DETERMINE IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

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STEP 2

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INSTALLATION INSTRUCTIONS

STEP 1
- Unbox the aftermarket radio and locate its main harness.
- Connect the wires shown on the next page from aftermarket radio main harness to the GM5+ T-harness and match the wire functions.

STEP 2
- Connect the factory harness to the GM5+ T-harness.

STEP 3
- Access the OBDII connector located under the driver side dashboard.
- Connect the BROWN /RED wire of the GM5+ T-harness to the wire located at pin 6 of the OBDII connector. (See the vehicle wire chart reference for wire colors)
- Connect the BROWN /YELLOW wire of the GM5+ T-harness to the wire located at pin 14 of the OBDII connector. (See the vehicle wire chart reference for wire colors)

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.

STEP 5
- Connect all the harnesses to the Maestro RR module then proceed to module setup.

The module is now ready to be used.
Insert the aftermarket radio in the dashboard housing and test all the functionalities.
Reassemble the dashboard carefully.

AMPLIFIER ONLY
DETERMINE IF YOU SHOULD USE RCA'S OR LEVEL MATCHING CIRCUITS
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WIRING DIAGRAM with an Amplifier

- **STEP 1**: Connect to radio with low level output:
  - 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

- **STEP 2**: Connect to radio with high level output:
  - 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
  - Brown (Not Connected)

- **STEP 3**: Connect to twisted wires behind connector.
  - Brown/Red - CAN-H
  - Brown/Black - CAN-L
  - Brown/Yellow - CAN-L

- **STEP 4**: Connect to factory radio harness.

- **STEP 5**: Connect to radio with low level output:
  - 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

See radio wire reference chart for radio wire colors.

NOTE: Pin side view. Connect to twisted wires behind connector.
WIRING DIAGRAM without an Amplifier

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 (+)
- GREEN/WHITE - REVERSE LIGHT (+)
- LTGREN - E-BRAKE (-)
- PINK - VEHICLE SPEED
- YELLOW/BLACK - FOOT BRAKE
- BROWN (NOT CONNECTED)

STEP 2
FACTORY RADIO HARNESS

STEP 3
OBDII CONNECTOR

- BROWN/RED - CANH
- BROWN/YELLOW - CANL
- TAN/BLACK
- TAN

STEP 4
CONNECT TO AFTERMARKET RADIO

STEP 5
MAESTRO RR MODULE

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

SEE RADIO WIRE REFERENCE CHART FOR RADIO WIRE COLORS

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 (+)
- GREEN/WHITE - REVERSE LIGHT (+)
- LTGREN - E-BRAKE (-)
- PINK - VEHICLE SPEED
- YELLOW/BLACK - FOOT BRAKE
- BROWN (NOT CONNECTED)
# RADIO WIRE REFERENCE CHART

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<td>VSS [vehicle speed sensor] [DATA]</td>
<td>Pink</td>
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INSTALL GUIDE
CADILLAC DTS
2006-2011
RETAINS STEERING WHEEL CONTROLS, ONSTAR, BLUETOOTH, XM SATELLITE AND MORE!

PRODUCTS REQUIRED
iDatalink Maestro RR Radio Replacement Interface
iDatalink Maestro GM5+ Installation Harness

OPTIONAL ACCESSORIES
None

PROGRAMMED Firmware
ADS-RR(SR)-GMS05-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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BEFORE INSTALLING

STEP 1

DETERMINE IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

METHOD 1: Look for the following logos in the vehicle. They are usually on the speaker covers or on the radio unit. If you find any of the following logos Bose, Pioneer or Monsoon, you have a factory amplifier.

METHOD 2: Look for the following sticker in the glove box. This sticker will indicate all the Regular Production Option (RPO) codes. If you find any of the following codes UQA, UQS or UQG, you have a factory amplifier.

STEP 2

IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram with an amplifier and read the “AMPLIFIER ONLY” note to determine if you should use rca’s or level matching circuits.

IF YOUR VEHICLE NOT IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram without an amplifier.
INSTALLATION INSTRUCTIONS

STEP 1
• Unbox the aftermarket radio and locate its main harness.
• Connect the wires shown on the next page from aftermarket radio main harness to the GM5+ T-harness and match the wire functions.

STEP 2
• Connect the factory harness to the GM5+ T-harness.

STEP 3
• Access the OBDII connector located under the driver side dashboard.
• Connect the BROWN /RED wire of the GM5+ T-harness to the wire located at pin 6 of the OBDII connector. (See the vehicle wire chart reference for wire colors)
• Connect the BROWN /YELLOW wire of the GM5+ T-harness to the wire located at pin 14 of the OBDII connector. (See the vehicle wire chart reference for wire colors)

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.

STEP 5
• Connect all the harnesses to the Maestro RR module then proceed to module setup.

The module is now ready to be used.
Insert the aftermarket radio in the dashboard housing and test all the functionalities.
Reassemble the dashboard carefully.

AMPLIFIER ONLY
DETERMINE IF YOU SHOULD USE RCA’S OR LEVEL MATCHING CIRCUITS

• If your vehicle is equipped with a factory amplifier you can connect the RCA wiring to the low level outputs of your aftermarket radio, or connect the level matching circuits to the speaker outputs of the aftermarket radio.
• If your aftermarket radio does not have low level outputs, has only a single RCA output, or the RCA output level is 2 volts or less then it is recommended to connect the level matching circuit to the speaker outputs. If the volume does not go loud enough using the RCA connections, the level matching circuits can be used.
• The internal amplifier in some radios is not compatible with the level matching circuit. In these cases, there will be floor noise (hissing or buzzing at low levels) when the level matching circuit is connected. Change to the RCA connections to eliminate this noise.

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
CONNECT TO RADIO WITH LOW LEVEL OUTPUT:
- 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

CONNECT TO RADIO WITH HIGH LEVEL OUTPUT:
- WHITE - LF SPEAKER (+)
- WHITE/BLACK - LF SPEAKER (-)
- GRAY - RF SPEAKER (+)
- GRAY/BLACK - RF SPEAKER (-)
- GREEN - LR SPEAKER (+)
- GREEN/BLACK - LR SPEAKER (-)
- PURPLE - RR SPEAKER (+)
- PURPLE/BLACK - RR SPEAKER (-)
- BLUE/WHITE - AMP. TURN ON (+)
- BLUE - AMP. TURN ON (-)
- RED - ACCESSORY (+)
- YELLOW - 12V (+)
- ORANGE - ILLUMINATION (+)
- LITE GREEN - E-BRAKE (-)
- YELLOW/BLACK - FOOT BRAKE
- BROWN (NOT CONNECTED)

STEP 2
FACTORY RADIO HARNESS
WIRING FROM VEHICLE
STEP 3
ORDBIOT Connector
- BROWN/RED - CANH
- BROWN/YELLOW - CANL
- TAN/BINL
- TAN/BLACK

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

STEP 4
CONNECT TO MAIN HARNESS
RCA CABLES
EE SPEAKERS

STEP 5
MAESTRO RR MODU E
SPEAKER
- WHITE - LF SPEAKER (+)
- WHITE/BLACK - LF SPEAKER (-)
- GRAY - RF SPEAKER (+)
- GRAY/BLACK - RF SPEAKER (-)
- GREEN - LR SPEAKER (+)
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NOTE: PIN SIDE VIEW. CONNECT TO TWISTED WIRES BEHIND CONNECTOR.
WIRING DIAGRAM without an Amplifier

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 (+)
PINK - VEHICLE SPEED
YELLOW/BLACK - FOOT BRAKE
BROWN (NOT CONNECTED)

STEP 2
FACTORY RADIO HARNESS

STEP 3
OBDII CONNECTOR

STEP 4
CONNECT TO AFTERMARKET RADIO
BACKUP CAM
RCA CABLES

STEP 5
MAESTRO RR MODULE
SPEAKER

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

WIRING DIAGRAM without an Amplifier

CUT AND REMOVE THE SPEAKER WIRE JUNCTION CONNECTORS

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

FACTORY RADIO HARNESS

OBDII CONNECTOR

BROWN/RED - CANH
BROWN/YELLOW - CANL
TAN/BLACK
TAN/BLACK

NOTE: PIN SIDE VIEW.
CONNECT TO TWISTED WIRES BEHIND CONNECTOR.
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OPTIONAL ACCESSORIES
None

PROGRAMMED FIRMWARE
ADS-RR(SR)-GMS05-DS

PRODUCTS REQUIRED
iDatalink Maestro RR Radio Replacement Interface
iDatalink Maestro GM5+ Installation Harness

INSTALL GUIDE
CADILLAC ESCALADE
2007-2011

RETAINS STEERING WHEEL CONTROLS, ONSTAR, BLUETOOTH, XM SATELLITE AND MORE!

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www.12voltdata.com/forum
BEFORE INSTALLING

STEP 1

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STEP 2

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INSTALLATION INSTRUCTIONS

STEP 1
• Unbox the aftermarket radio and locate its main harness.
• Connect the wires shown on the next page from aftermarket radio main harness to the GM5+ T-harness and match the wire functions.

STEP 2
• Connect the factory harness to the GM5+ T-harness.

STEP 3
• Access the OBDII connector located under the driver side dashboard.
• Connect the BROWN /RED wire of the GM5+ T-harness to the wire located at pin 6 of the OBDII connector. (See the vehicle wire chart reference for wire colors)
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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.

STEP 5
• Connect all the harnesses to the Maestro RR module then proceed to module setup.

The module is now ready to be used.
Insert the aftermarket radio in the dashboard housing and test all the functionalities.
Reassemble the dashboard carefully.

AMPLIFIER ONLY
DETERMINE IF YOU SHOULD USE RCA’S OR LEVEL MATCHING CIRCUITS

• If your vehicle is equipped with a factory amplifier you can connect the RCA wiring to the low level outputs of your aftermarket radio, or connect the level matching circuits to the speaker outputs of the aftermarket radio.
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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**
CONNECT TO RADIO WITH LOW LEVEL OUTPUT:
- 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 (-)
- TAN/BLACK

CONNECT TO RADIO WITH HIGH LEVEL OUTPUT:
- 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 (-)
- BROWN - ACCESSORY (+)
- TAN - GROUND
- BROWN (NOT CONNECTED)

**STEP 2**
FACTORY RADIO HARNESS

**STEP 3**
ORHII CONNECTOR

**STEP 4**
CONNECT TO AFTERMARKET RADIO

**STEP 5**
NOTE: PIN SIDE VIEW.
CONNECT TO TWISTED WIRES BEHIND CONNECTOR.
WIRING DIAGRAM without an Amplifier

STEP 1
CUT AND REMOVE THE SPEAKER WIRE JUNCTION CONNECTORS

- 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 (-)
- YELLOW/BLACK - FOOT BRAKE
- BROWN (NOT CONNECTED)

STEP 2
FACTORY RADIO HARNESS

STEP 3
OBDII CONNECTOR

- BROWN/RED - CANH
- BROWN/YELLOW - CANL
- TAN/BLACK
- TAN/BLACK
- TAN

STEP 4
MAIN HARNESS

STEP 5
MAESTRO RR MODULE

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

CONNECT TO AFTERMARKET RADIO

BACKUP CAM

WIRING DIAGRAM with an Amplifier

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- 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 (-)
- YELLOW/BLACK - FOOT BRAKE
- BROWN (NOT CONNECTED)

STEP 2
FACTORY RADIO HARNESS

STEP 3
OBDII CONNECTOR

- BROWN/RED - CANH
- BROWN/YELLOW - CANL
- TAN/BLACK
- TAN/BLACK
- TAN

STEP 4
MAIN HARNESS

STEP 5
MAESTRO RR MODULE

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

CADILLAC ESCALADE WITH NAV 2012-2014

RETAILS STEERING WHEEL CONTROLS, ONSTAR, BLUETOOTH, XM SATELLITE AND MORE!

PRODUCTS REQUIRED
iDatalink Maestro RR Radio Replacement Interface
iDatalink Maestro GM2 Installation Harness

OPTIONAL ACCESSORIES
None

PROGRAMMED Firmware
ADS-RR(SR)-GMS05-DS

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**NEED HELP?**

Contact information:
- **Phone**: 1 866 427-2999
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STEP 1

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METHOD 1: Look for the following logos in the vehicle. They are usually on the speaker covers or on the radio unit. If you find any of the following logos Bose, Pioneer or Monsoon, you have a factory amplifier.

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STEP 2

IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram with an amplifier and read the "AMPLIFIER ONLY" note to determine if you should use RCA’s or level matching circuits.

IF YOUR VEHICLE NOT IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram without an amplifier.
INSTALLATION INSTRUCTIONS

STEP 1
- Unbox the aftermarket radio and locate its main harness.
- Connect the wires shown on the next page from aftermarket radio main harness to the GM2 T-harness and match the wire functions.
- Remove the factory radio.

STEP 2
- Connect the GREEN male 2 pin connector of the backup camera cable to the GREEN female connector of the backup camera adapter. Connect GRAY connector of adapter to the vehicle backup camera harness.

STEP 3
- Connect the factory harness to the GM2 T-harness. Ensure that the RED 2 pin plugs are connected.

STEP 4
- Plug the OBDII connector into the OBDII of the vehicle, under driver dash.

STEP 5
- Plug the aftermarket radio harnesses into the aftermarket radio.
- Connect the backup camera RCA cable 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 6
- Connect all the harnesses to the Maestro RR module then 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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- BLUE/WHITE - AMP. TURN ON (+)
- BLACK - GROUND
- RED - ACCESSORY (+)
- YELLOW - 12V (+)
- ORANGE - ILLUMINATION (+)
- LITEGREEN - E-BRAKE (-)
- PINK - VEHICLE SPEED
- PURPLE/WHITE - REVERSE LIGHT (+)
- LTGREEN - E-BRAKE (-)
- YELLOW/BLACK - FOOT BRAKE
- BROWN (NOT CONNECTED)

STEP 2
- GREEN
- GREEN

STEP 3
- FACTORY RADIO HARNESS

STEP 4
- OBDII CONNECTOR

STEP 5
- CONNECT TO AFTERMARKET RADIO
- MAIN HARNESS
- RCA CABLE
- BACKUP CAM
- WIRES FROM VEHICLE
- DATA CABLE
- AUDIO CABLE

STEP 6
- MAESTRO RR MODULE
- SPEAKER
- GREEN
- NOT CONNECTED

GM2 T-HARNESS
**WIRING DIAGRAM without an Amplifier**

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

**STEP 2**
- Green (LF speaker +)
- White/Black (LF speaker -)
- Gray (RF speaker +)
- Gray/Black (RF speaker -)
- Green (LR speaker +)
- Green/Black (LR speaker -)
- Purple (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)
- Brown (not connected)

**STEP 3**
Red (ACC+)
Red (ACC-)

**STEP 4**
- Green (NOT CONNECTED)

**STEP 5**
Connect to aftermarket radio.

**STEP 6**
See radio wire reference chart for radio wire colors.
# RADIO WIRE REFERENCE CHART

<table>
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<tr>
<th>Wire Description</th>
<th>Polarity</th>
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<th>Wire Color on Alpine cable</th>
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<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

CADILLAC ESCALADE WITHOUT NAV 2012-2014

RETTAINS STEERING WHEEL CONTROLS, ONSTAR, BLUETOOTH, XM 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 GM5+ Installation Harness

OPTIONAL ACCESSORIES
None

PROGRAMMED FIRMWARE
ADS-RR(SR)-GMS05-DS
WELCOME

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

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

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

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NEED HELP?

1 866 427-2999

support@idatalink.com

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

**STEP 1**

**DETERMINE IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:**

**METHOD 1:** Look for the following logos in the vehicle. They are usually on the speaker covers or on the radio unit. If you find any of the following logos Bose, Pioneer or Monsoon, you have a factory amplifier.

**METHOD 2:** Look for the following sticker in the glove box. This sticker will indicate all the Regular Production Option (RPO) codes. If you find any of the following codes UQA, UQS or UQG, you have a factory amplifier.

**STEP 2**

**IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:**

Follow the installation instructions and complete the installation as shown in the wiring diagram with an amplifier and read the "AMPLIFIER ONLY" note to determine if you should use rca’s or level matching circuits.

**IF YOUR VEHICLE NOT IS EQUIPPED WITH A FACTORY AMPLIFIER:**

Follow the installation instructions and complete the installation as shown in the wiring diagram without an amplifier.
INSTALLATION INSTRUCTIONS

STEP 1
• Unbox the aftermarket radio and locate its main harness.
• Connect the wires shown on the next page from aftermarket radio main harness to the GM5+ T-harness and match the wire functions.

STEP 2
• Connect the factory harness to the GM5+ T-harness.

STEP 3
• Access the OBDII connector located under the driver side dashboard.
• Connect the BROWN /RED wire of the GM5+ T-harness to the wire located at pin 6 of the OBDII connector. (See the vehicle wire chart reference for wire colors)
• Connect the BROWN /YELLOW wire of the GM5+ T-harness to the wire located at pin 14 of the OBDII connector. (See the vehicle wire chart reference for wire colors)

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.

STEP 5
• Connect all the harnesses to the Maestro RR module then proceed to module setup.

The module is now ready to be used.
Insert the aftermarket radio in the dashboard housing and test all the functionalities.
Reassemble the dashboard carefully.

AMPLIFIER ONLY

DETERMINE IF YOU SHOULD USE RCA’S OR LEVEL MATCHING CIRCUITS

• If your vehicle is equipped with a factory amplifier you can connect the RCA wiring to the low level outputs of your aftermarket radio, or connect the level matching circuits to the speaker outputs of the aftermarket radio.
• If your aftermarket radio does not have low level outputs, has only a single RCA output, or the RCA output level is 2 volts or less then it is recommended to connect the level matching circuit to the speaker outputs. If the volume does not go loud enough using the RCA connections, the level matching circuits can be used.
• The internal amplifier in some radios is not compatible with the level matching circuit. In these cases, there will be floor noise (hissing or buzzing at low levels) when the level matching circuit is connected. Change to the RCA connections to eliminate this noise.

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
CONNECT TO RADIO WITH LOW LEVEL OUTPUT:
- 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

CONNECT TO RADIO WITH HIGH LEVEL OUTPUT:
- WHITE - LF SPEAKER (+)
- WHITE/BLACK - LF SPEAKER (-)
- GRAY - RF SPEAKER (+)
- GRAY/BLACK - RF SPEAKER (-)
- GREEN - LR SPEAKER (+)
- GREEN/BLACK - LR SPEAKER (-)
- PURPLE - RR SPEAKER (+)
- PURPLE/BLACK - RR SPEAKER (-)
- BLUE/WHITE - AMP. TURN ON (+)
- BLUE - GROUND
- RED - ACCESSORY (+)
- YELLOW - 12V (+)
- ORANGE - ILLUMINATION (+)
- PURPLE/WHITE - REVERSE LIGHT (+)
- LTGREEN - E-BRAKE (-)
- YELLOW/BRAKE - FOOT BRAKE
- BROWN (NOT CONNECTED)

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

STEP 2
CONNECT TO AFTERMARKET RADIO

STEP 3
CONNECT TO TWISTED WIRES BEHIND CONNECTOR.

STEP 4
CONNECT TO FACTORY RADIO HARNESS

STEP 5
CONNECT TO RADIO WIRE REFERENCE CHART FOR RADIO WIRE COLORS

NOTE: PIN SIDE VIEW. CONNECT TO TWISTED WIRES BEHIND CONNECTOR.
WIRING DIAGRAM without an Amplifier

**STEP 1**

CUT AND REMOVE THE SPEAKER WIRE JUNCTION CONNECTORS

**STEP 2**

FACTORY RADIO HARNESS

**STEP 3**

OBDII CONNECTOR

GM405 T-HARNESS

**STEP 4**

CONNECT TO AFTERMARKET RADIO

**STEP 5**

SPEAKER

MAESTRO RR MODULE

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

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<td>Orange</td>
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<tr>
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<tr>
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<tr>
<td>Foot Brake</td>
<td>(+)</td>
<td>Yellow/Black</td>
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<td>N/A</td>
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</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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INSTALL GUIDE

CHEVROLET AVALANCHE
2007-2011

RETAINS STEERING WHEEL CONTROLS, ONSTAR, BLUETOOTH, XM SATELLITE AND MORE!

PRODUCTS REQUIRED
- iDatalink Maestro RR Radio Replacement Interface
- iDatalink Maestro GM5+ Installation Harness

OPTIONAL ACCESSORIES
- None

PROGRAMMED FIRMWARE
- ADS-RR(SR)-GMS05-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.

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NEED HELP?

1 866 427-2999

support@idatalink.com

maestro.idatalink.com/support

www.12voltdata.com/forum
BEFORE INSTALLING

**STEP 1**

DETERMINE IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

**METHOD 1:** Look for the following logos in the vehicle. They are usually on the speaker covers or on the radio unit. If you find any of the following logos Bose, Pioneer or Monsoon, you have a factory amplifier.

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**SERVICE PARTS IDENTIFICATION**

<table>
<thead>
<tr>
<th>Service Parts Identification</th>
<th>Do Not Remove</th>
</tr>
</thead>
<tbody>
<tr>
<td>2GCEK19N031344764</td>
<td>143 5 FXWHDQ</td>
</tr>
</tbody>
</table>

**STEP 2**

IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram with an amplifier and read the “AMPLIFIER ONLY” note to determine if you should use rca’s or level matching circuits.

IF YOUR VEHICLE NOT IS EQUIPPED WITH A FACTORY AMPLIFIER:

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- Connect the wires shown on the next page from aftermarket radio main harness to the GM5+ T-harness and match the wire functions.

STEP 2
- Connect the factory harness to the GM5+ T-harness.

STEP 3
- Access the OBDII connector located under the driver side dashboard.
- Connect the BROWN/RED wire of the GM5+ T-harness to the wire located at pin 6 of the OBDII connector. (See the vehicle wire chart reference for wire colors)
- Connect the BROWN/YELLOW wire of the GM5+ T-harness to the wire located at pin 14 of the OBDII connector. (See the vehicle wire chart reference for wire colors)

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.

STEP 5
- Connect all the harnesses to the Maestro RR module then proceed to module setup.

The module is now ready to be used.
Insert the aftermarket radio in the dashboard housing and test all the functionalities.
Reassemble the dashboard carefully.

AMPLIFIER ONLY
DETERMINE IF YOU SHOULD USE RCA’S OR LEVEL MATCHING CIRCUITS
- If your vehicle is equipped with a factory amplifier you can connect the RCA wiring to the low level outputs of your aftermarket radio, or connect the level matching circuits to the speaker outputs of the aftermarket radio.
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- The internal amplifier in some radios is not compatible with the level matching circuit. In these cases, there will be floor noise (hissing or buzzing at low levels) when the level matching circuit is connected. Change to the RCA connections to eliminate this noise.

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
CONNECT TO RADIO WITH LOW LEVEL OUTPUT:
- 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 (-)

STEP 2
FACTORY RADIO HARNESS

STEP 3
OBDII CONNECTOR
- BROWN/RED - CANH
- BROWN/YELLOW - CANL
- TAN/BLACK

STEP 4
CONNECT TO RADIO WITH HIGH LEVEL OUTPUT:
- 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 (-)
- YELLOW/BLACK - FOOT BRAKE
- BROWN (NOT CONNECTED)

STEP 5
CONNECT TO DEALER RADIO OR RCA CABLES

NOTE: PIN SIDE VIEW. CONNECT TO TWISTED WIRES BEHIND CONNECTOR.
**WIRING DIAGRAM without an Amplifier**

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

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

**STEP 3**
Connect to twisted wires behind connector.

**STEP 4**
Connect to the backup camera.

**STEP 5**
Connect to the speaker.

**WIRING HINTS**
- 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 (-)
- Yellow/Black - Foot brake
- Brown (not connected)

**OBDII CONNECTOR**
- Brown/Red - CANH
- Brown/Yellow - CANL
- Tan/Black
- Tan/White

**NOTE:** Pin side view. Connect to twisted wires behind connector.
# RADIO WIRE REFERENCE CHART

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INSTALL GUIDE

CHEVROLET AVALANCHE
WITH NAV 2012-2013

RETAILS STEERING WHEEL CONTROLS, ONSTAR, BLUETOOTH, XM SATELLITE AND MORE!

PRODUCTS REQUIRED
iDatalink Maestro RR Radio Replacement Interface
iDatalink Maestro GM2 Installation Harness

OPTIONAL ACCESSORIES
None

PROGRAMMED FIRMWARE
ADS-RR(SR)-GMS05-DS

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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.

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STEP 2
IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:
Follow the installation instructions and complete the installation as shown in the wiring diagram with an amplifier and read the “AMPLIFIER ONLY” note to determine if you should use RCA’s or level matching circuits.

IF YOUR VEHICLE NOT IS EQUIPPED WITH A FACTORY AMPLIFIER:
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INSTALLATION INSTRUCTIONS

STEP 1
- Unbox the aftermarket radio and locate its main harness.
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STEP 2
- Connect the factory harness to the GM5+ T-harness.

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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.

STEP 5
- Connect all the harnesses to the Maestro RR module then proceed to module setup.

The module is now ready to be used.
Insert the aftermarket radio in the dashboard housing and test all the functionalities.
Reassemble the dashboard carefully.

AMPLIFIER ONLY
DETERMINE IF YOU SHOULD USE RCA’S OR LEVEL MATCHING CIRCUITS
- If your vehicle is equipped with a factory amplifier you can connect the RCA wiring to the low level outputs of your aftermarket radio, or connect the level matching circuits to the speaker outputs of the aftermarket radio.
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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**
Connect to radio with low level output:
- 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 (-)
- Brown (not connected)

**STEP 2**
Factory radio harness

**STEP 3**
Obdii connector
- Brown/Red - CAN+ (LF speaker)
- Brown/Black - CAN- (LF speaker)
- Brown/Yellow - CANL (LF speaker)
- Tan/Black - BRN (not connected)

**STEP 4**
Connect to radio with high level output:
- 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 (+)
- Gray/Orange - Illumination (+)
- Purple/White - Reverse light (+)
- LT Green - E-brake (-)
- Yellow/Black - Foot brake

**STEP 5**
Connect to aftermarket radio

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

Wiring diagram for Chevrolet Avalanche with nav 2012-2013.
WIRING DIAGRAM without an Amplifier

**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 (+)
- LT GREEN - E-BRAKE (-)
- YELLOW/BLACK - FOOT BRAKE
- BROWN (NOT CONNECTED)
- YELLOW - 12V (+)
- RED - ACCESSORY (+)
- BLUE/WHITE - AMP. TURN ON (+)
- PURPLE - RR SPEAKER (+)

**STEP 2**
FACTORY RADIO HARNESS

- CENTER
- SUB
- (NOT CONNECTED)
- (NOT CONNECTED)

**STEP 3**
OBDII CONNECTOR

- BROWN/RED - CANH
- BROWN/YELLOW - CANL
- TAN/BLACK
- TAN

**STEP 4**
MAIN HARNESS

CONNECT TO AFTERMARKET RADIO

- RCA CABLES
- DATA CABLE
- AUDIO CABLES
- SPEAKER

**STEP 5**
MAESTRO RR MODULE

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

- MAESTRO RR MODULE
- AUDIO CABLE
- BCA CABLES
- BACKUP CAM
- WIRES FROM VEHICLE

**STEP 6**
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 - ACCESORIY (+)
- BLUE/WHITE - AMP. TURN ON (+)
- PURPLE - RR SPEAKER (+)
- ORANGE - ILLUMINATION (+)
- PURPLE/WHITE - REVERSE LIGHT (+)
- LT GREEN - E-BRAKE (-)
- YELLOW/BLACK - FOOT BRAKE

SEE RADIO WIRE REFERENCE CHART FOR RADIO WIRE COLORS

CUT AND REMOVE THE SPEAKER WIRE JUNCTION CONNECTORS

- BROWN/RED - CANH
- BROWN/YELLOW - CANL

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

ORIGINAL TEXT: ADS-RR(SR)-GMS05-DS maestro.idatalink.com

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AD5-RR(SR)-GMS05-DS

maestro.idatalink.com
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INSTALL GUIDE

CHEVROLET AVALANCHE WITHOUT NAV 2012-2013

RETAINS STEERING WHEEL CONTROLS, ONSTAR, BLUETOOTH, XM SATELLITE AND MORE!

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NEED HELP?

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www.12voltdata.com/forum

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<td>Wiring Diagram without an Amplifier</td>
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<td>Radio Wire Reference Chart</td>
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BEFORE INSTALLING

**STEP 1**

**DETERMINE IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:**

**METHOD 1:** Look for the following logos in the vehicle. They are usually on the speaker covers or on the radio unit. If you find any of the following logos Bose, Pioneer or Monsoon, you have a factory amplifier.

**METHOD 2:** Look for the following sticker in the glove box. This sticker will indicate all the Regular Production Option (RPO) codes. If you find any of the following codes UQA, UQS or UQG, you have a factory amplifier.

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**STEP 2**

**IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:**

Follow the installation instructions and complete the installation as shown in the wiring diagram with an amplifier and read the “AMPLIFIER ONLY” note to determine if you should use RCA’s or level matching circuits.

**IF YOUR VEHICLE NOT IS EQUIPPED WITH A FACTORY AMPLIFIER:**

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

---

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INSTALLATION INSTRUCTIONS

STEP 1
- Unbox the aftermarket radio and locate its main harness.
- Connect the wires shown on the next page from aftermarket radio main harness to the GM5+ T-harness and match the wire functions.

STEP 2
- Connect the factory harness to the GM5+ T-harness.

STEP 3
- Access the OBDII connector located under the driver side dashboard.
- Connect the BROWN /RED wire of the GM5+ T-harness to the wire located at pin 6 of the OBDII connector. (See the vehicle wire chart reference for wire colors)
- Connect the BROWN /YELLOW wire of the GM5+ T-harness to the wire located at pin 14 of the OBDII connector. (See the vehicle wire chart reference for wire colors)

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.

STEP 5
- Connect all the harnesses to the Maestro RR module then proceed to module setup.

The module is now ready to be used.
Insert the aftermarket radio in the dashboard housing and test all the functionalities.
Reassemble the dashboard carefully.

AMPLIFIER ONLY
DETERMINE IF YOU SHOULD USE RCA’S OR LEVEL MATCHING CIRCUITS
- If your vehicle is equipped with a factory amplifier you can connect the RCA wiring to the low level outputs of your aftermarket radio, or connect the level matching circuits to the speaker outputs of the aftermarket radio.
- If your aftermarket radio does not have low level outputs, has only a single RCA output, or the RCA output level is 2 volts or less then it is recommended to connect the level matching circuit to the speaker outputs. If the volume does not go loud enough using the RCA connections, the level matching circuits can be used.
- The internal amplifier in some radios is not compatible with the level matching circuit. In these cases, there will be floor noise [hissing or buzzing at low levels] when the level matching circuit is connected. Change to the RCA connections to eliminate this noise.

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
CONNECT TO RADIO WITH LOW LEVEL OUTPUT:
- 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 (-)
- BROWN (NOT CONNECTED)

STEP 2
FACTORY RADIO HARNESS

STEP 3
ORBDII CONNECTOR

STEP 4
CONNECT TO AFTERMARKET RADIO

STEP 5
CONNECT TO RADIO WITH HIGH LEVEL OUTPUT:
- 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

NOTE: PIN SIDE VIEW. CONNECT TO TWISTED WIRES BEHIND CONNECTOR.
WIRING DIAGRAM without an Amplifier

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CUT AND REMOVE THE SPEAKER WIRE JUNCTION CONNECTORS

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**STEP 2**
FACTORY RADIO HARNESS

**STEP 3**
OBDII CONNECTOR

- WHITE/BLACK - LF SPEAKER (+)
- WHITE/BLACK - LF SPEAKER (-)
- GRAY/BLACK - RF SPEAKER (+)
- GRAY/BLACK - RF SPEAKER (-)
- GREEN/BLACK - LR SPEAKER (+)
- GREEN/BLACK - LR SPEAKER (-)
- PURPLE/BLACK - 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
- BROWN (NOT CONNECTED)

**STEP 4**
CONNECT TO AFTERMARKET RADIO

**STEP 5**
CONNECT TO MAESTRO RR MODULE

- BROWN/RED - CANH
- BROWN/YELLOW - CANL
- TAN/BLACK
- TAN

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

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INSTALL GUIDE

CHEVROLET EQUINOX
2007-2009

RETAINS STEERING WHEEL CONTROLS, ONSTAR, BLUETOOTH, XM SATELLITE AND MORE!

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STEP 2
FACTORY RADIO HARNESS

STEP 3
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- BROWN/YELLOW - CANL
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STEP 4
CONNECT TO AFTERMARKET RADIO

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STEP 3
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STEP 5
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PRODUCTS REQUIRED
- iDataLink Maestro RR Radio Replacement Interface
- iDataLink Maestro GM2 Installation Harness

OPTIONAL ACCESSORIES
- None

PROGRAMMED Firmware
- ADS-RR(SR)-GMS05-DS

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STEP 2

IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram with an amplifier and read the “AMPLIFIER ONLY” note to determine if you should use rca’s or level matching circuits.

IF YOUR VEHICLE NOT IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram without an amplifier.
INSTALLATION INSTRUCTIONS

STEP 1

• Unbox the aftermarket radio and locate its main harness.
• Connect the wires shown on the next page from aftermarket radio main harness to the GM2 T-harness and match the wire functions.
• Remove the factory radio.

STEP 2

• Connect the GREEN male 2 pin connector of the backup camera cable to the GREEN female connector of the backup camera adapter. Connect GRAY connector of adapter to the vehicle backup camera harness.

STEP 3

• Connect the factory harness to the GM2 T-harness. Ensure that the RED 2 pin plugs are connected.

STEP 4

• Plug the OBDII connector into the OBDII of the vehicle, under driver dash.

STEP 5

• Plug the aftermarket radio harnesses into the aftermarket radio.
• Connect the backup camera RCA cable 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 6

• Connect all the harnesses to the Maestro RR module then 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 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 (+)
- YELLOW - 12V (+)
- ORANGE - ILLUMINATION (+)
- LTGREEN - E-BRAKE (-)
- PINK - VEHICLE SPEED
- YELLOW/BLACK - FOOT BRAKE
- BROWN (NOT CONNECTED)

**STEP 2**
- GREEN - GREEN

**STEP 3**
- RED - RED

**STEP 4**
- GREEN - NOT CONNECTED

**STEP 5**
- MAIN HARNESS
- RCA CABLE
- AUDIO CABLE

**STEP 6**
- SPEAKER
- DATA CABLE
- MAESTRO RR MODULE
- OBDII CONNECTOR
- GM2 T-HARNESS

See Radio Wire Reference Chart for Radio Wire Colors
WIRING DIAGRAM without an Amplifier

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

**STEP 2**
- GREEN - LF SPEAKER (+)
- WHITE/BLACK - LF SPEAKER (-)
- GRAY - RF SPEAKER (+)
- GRAY/BLACK - RF SPEAKER (-)
- GREEN - LR SPEAKER (+)
- GREEN/BLACK - LR SPEAKER (-)
- PURPLE - RR SPEAKER (+)
- BLUE/WHITE - AMP. TURN ON (+)
- RED - ACCESSORY (+)
- YELLOW - 12V (+)
- ORANGE - ILLUMINATION (+)
- PURPLE/WHITE - REVERSE LIGHT (+)
- LTGREEN - E-BRAKE (-)
- YELLOW/BLACK - FOOT BRAKE
- BROWN (NOT CONNECTED)
- SEE RADIO WIRE REFERENCE CHART FOR RADIO WIRE COLORS

**STEP 3**
- FACTORY RADIO HARNESS

**STEP 4**
- OBDII CONNECTOR
- GREEN - NOT CONNECTED
- RED - RED

**STEP 5**
- MAIN HARNESS
- CONNECT TO AFTERMARKET RADIO
- RCA CABLE
- DATA CABLE
- AUDIO CABLE

**STEP 6**
- SPEAKER
- MAESTRO RR MODULE
- GM3 HARNESS

- Wired audio cables:
  - WHITE - LF SPEAKER (+)
  - WHITE/BLACK - LF SPEAKER (-)
  - GRAY - RF SPEAKER (+)
  - GRAY/BLACK - RF SPEAKER (-)
  - GREEN - LR SPEAKER (+)
  - GREEN/BLACK - LR SPEAKER (-)
  - PURPLE - RR SPEAKER (+)
  - BLUE/WHITE - AMP. TURN ON (+)
  - RED - ACCESSORY (+)
  - YELLOW - 12V (+)
  - ORANGE - ILLUMINATION (+)
  - PURPLE/WHITE - REVERSE LIGHT (+)
  - LTGREEN - E-BRAKE (-)
  - YELLOW/BLACK - FOOT BRAKE
  - BROWN (NOT CONNECTED)

- Wired data cables:
  - WHITE/BLACK - LF SPEAKER (-)
  - GRAY/BLACK - RF SPEAKER (-)
  - GREEN/BLACK - LR SPEAKER (-)
  - BLUE/WHITE - AMP. TURN ON (+)
  - RED - ACCESSORY (+)
  - YELLOW - 12V (+)
  - ORANGE - ILLUMINATION (+)
  - PURPLE/WHITE - REVERSE LIGHT (+)
  - LTGREEN - E-BRAKE (-)
  - YELLOW/BLACK - FOOT BRAKE
  - BROWN (NOT CONNECTED)

- Wired speaker wires:
  - WHITE - LF SPEAKER (+)
  - WHITE/BLACK - LF SPEAKER (-)
  - GRAY - RF SPEAKER (+)
  - GRAY/BLACK - RF SPEAKER (-)
  - GREEN - LR SPEAKER (+)
  - GREEN/BLACK - LR SPEAKER (-)
  - PURPLE - RR SPEAKER (+)
  - BLUE/WHITE - AMP. TURN ON (+)
  - RED - ACCESSORY (+)
  - YELLOW - 12V (+)
  - ORANGE - ILLUMINATION (+)
  - PURPLE/WHITE - REVERSE LIGHT (+)
  - LTGREEN - E-BRAKE (-)
  - YELLOW/BLACK - FOOT BRAKE

- Wired auxiliary cables:
  - WHITE/BLACK - LF SPEAKER (-)
  - GRAY/BLACK - RF SPEAKER (-)
  - GREEN/BLACK - LR SPEAKER (-)
  - BLUE/WHITE - AMP. TURN ON (+)
  - RED - ACCESSORY (+)
  - YELLOW - 12V (+)
  - ORANGE - ILLUMINATION (+)
  - PURPLE/WHITE - REVERSE LIGHT (+)
  - LTGREEN - E-BRAKE (-)
  - YELLOW/BLACK - FOOT BRAKE

- Wired ground cables:
  - WHITE - LF SPEAKER (-)
  - WHITE/BLACK - LF SPEAKER (-)
  - GRAY - RF SPEAKER (-)
  - GRAY/BLACK - RF SPEAKER (-)
  - GREEN - LR SPEAKER (-)
  - GREEN/BLACK - LR SPEAKER (-)
  - PURPLE - RR SPEAKER (-)
  - BLUE/WHITE - AMP. TURN ON (+)
  - RED - ACCESSORY (+)
  - YELLOW - 12V (+)
  - ORANGE - ILLUMINATION (+)
  - PURPLE/WHITE - REVERSE LIGHT (+)
  - LTGREEN - E-BRAKE (-)
  - YELLOW/BLACK - FOOT BRAKE

- Wired power cables:
  - WHITE/BLACK - LF SPEAKER (-)
  - GRAY/BLACK - RF SPEAKER (-)
  - GREEN/BLACK - LR SPEAKER (-)
  - BLUE/WHITE - AMP. TURN ON (+)
  - RED - ACCESSORY (+)
  - YELLOW - 12V (+)
  - ORANGE - ILLUMINATION (+)
  - PURPLE/WHITE - REVERSE LIGHT (+)
  - LTGREEN - E-BRAKE (-)
  - YELLOW/BLACK - FOOT BRAKE

# RADIO WIRE REFERENCE CHART

<table>
<thead>
<tr>
<th>Wire Description</th>
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<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
CHEVROLET EXPRESS
WITHOUT NAV 2008-2017

RETAINS STEERING WHEEL CONTROLS, ONSTAR, BLUETOOTH, XM 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

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Radio Wire Reference Chart 7
BEFORE INSTALLING

STEP 1

DETERMINE IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

METHOD 1: Look for the following logos in the vehicle. They are usually on the speaker covers or on the radio unit. If you find any of the following logos Bose, Pioneer or Monsoon, you have a factory amplifier.

METHOD 2: Look for the following sticker in the glove box. This sticker will indicate all the Regular Production Option (RPO) codes. If you find any of the following codes UQA, UQS or UQG, you have a factory amplifier.

STEP 2

IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram with an amplifier and read the “AMPLIFIER ONLY” note to determine if you should use rca’s or level matching circuits.

IF YOUR VEHICLE NOT IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram without an amplifier.
INSTALLATION INSTRUCTIONS

STEP 1
- Unbox the aftermarket radio and locate its main harness.
- Connect the wires shown on the next page from aftermarket radio main harness to the GM5+ T-harness and match the wire functions.

STEP 2
- Connect the factory harness to the GM5+ T-harness.

STEP 3
- Access the OBDII connector located under the driver side dashboard.
- Connect the BROWN /RED wire of the GM5+ T-harness to the wire located at pin 6 of the OBDII connector. (See the vehicle wire chart reference for wire colors)
- Connect the BROWN /YELLOW wire of the GM5+ T-harness to the wire located at pin 14 of the OBDII connector. (See the vehicle wire chart reference for wire colors)

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.

STEP 5
- Connect all the harnesses to the Maestro RR module then proceed to module setup.

The module is now ready to be used.
Insert the aftermarket radio in the dashboard housing and test all the functionalities.
Reassemble the dashboard carefully.

AMPLIFIER ONLY

DETERMINE IF YOU SHOULD USE RCA’S OR LEVEL MATCHING CIRCUITS

- If your vehicle is equipped with a factory amplifier you can connect the RCA wiring to the low level outputs of your aftermarket radio, or connect the level matching circuits to the speaker outputs of the aftermarket radio.
- If your aftermarket radio does not have low level outputs, has only a single RCA output, or the RCA output level is 2 volts or less then it is recommended to connect the level matching circuit to the speaker outputs. If the volume does not go loud enough using the RCA connections, the level matching circuits can be used.
- The internal amplifier in some radios is not compatible with the level matching circuit. In these cases, there will be floor noise [hissing or buzzing at low levels] when the level matching circuit is connected. Change to the RCA connections to eliminate this noise.

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**
CONNECT TO RADIO WITH LOW LEVEL OUTPUT:
- WHITE - LF SPEAKER (+)
- WHITE/BLACK - LF SPEAKER (-)
- GRAY - RF SPEAKER (+)
- GRAY/BLACK - RF SPEAKER (-)
- GREEN - LR SPEAKER (+)
- GREEN/BLACK - LR SPEAKER (-)
- GREEN/BK - RR SPEAKER (+)
- PURPLE - RR SPEAKER (-)
- PURPLE/BK - RR SPEAKER (-)
- BLUE/WHITE - AMP TURN ON (+)
- YELLOW - 12V (+)
- RED - ACCESSORY (+)
- ORANGE - ILLUMINATION (+)
- PURPLE/WHITE - REVERSE LIGHT (+)
- LT GREEN - E-BRAKE (-)
- YELLOW/BLACK - FOOT BRAKE
- TAN/BLACK - TAN
- BROWN/RED - CANH
- BROWN/YELLOW - CANL

**STEP 2**
FACTORY RADIO HARNESS

**STEP 3**
BOARD CONNECTOR
- WHITE - LF SPEAKER (+)
- WHITE/BLACK - LF SPEAKER (-)
- GRAY - RF SPEAKER (+)
- GRAY/BLACK - RF SPEAKER (-)
- GREEN - LR SPEAKER (+)
- GREEN/BLACK - LR SPEAKER (-)
- GREEN/BK - RR SPEAKER (+)
- PURPLE - RR SPEAKER (-)
- PURPLE/BK - RR SPEAKER (-)
- BLUE/WHITE - AMP TURN ON (+)
- YELLOW - 12V (+)
- RED - ACCESSORY (+)
- ORANGE - ILLUMINATION (+)
- PURPLE/WHITE - REVERSE LIGHT (+)
- LT GREEN - E-BRAKE (-)
- YELLOW/BLACK - FOOT BRAKE
- TAN/BLACK - TAN
- BROWN/RED - CANH
- BROWN/YELLOW - CANL

**STEP 4**
CONNECT TO AFTERMARKET RADIO

**STEP 5**
SEE RADIO WIRE REFERENCE CHART FOR RADIO WIRE COLORS

NOTE: PIN SIDE VIEW. CONNECT TO TWISTED WIRES BEHIND CONNECTOR.
WIRING DIAGRAM without an Amplifier

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

**STEP 2**
FACTORY RADIO HARNESS

- WHITE/BROWN - RCA CABLES
- BROWN/BLACK - RCA CABLES
- GREEN/BLACK - RCA CABLES
- RED/BLACK - RCA CABLES
- BLUE/BLACK - RCA CABLES
- PURPLE/BLACK - RCA CABLES
- YELLOW/BLACK - RCA CABLES
- ORANGE/BLACK - RCA CABLES
- LTGREEN/BLACK - RCA CABLES
- WHITE/BLACK - RCA CABLES
- BROWN/BLACK - RCA CABLES

**STEP 3**
OBDII CONNECTOR

- BROWN/RED - CANH
- BROWN/YELLOW - CANL
- TAN/BLACK
- TAN/BLACK

**STEP 4**
CONNECT TO AFTERMARKET RADIO

- MAIN HARNESS
- RCA CABLES

**STEP 5**
MAESTRO RR MODULE

- SPEAKER
- DATA CABLE

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

STEP 4
CONNECT TO AFTERMARKET RADIO

- MAIN HARNESS
- RCA CABLES

STEP 5
MAESTRO RR MODULE

- SPEAKER
- DATA CABLE

NOTE: PIN SIDE VIEW. CONNECT TO TWISTED WIRES BEHIND CONNECTOR.
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<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
CHEVROLET IMPALA
2006-2013

RETAINS STEERING WHEEL CONTROLS, ONSTAR, BLUETOOTH, XM SATELLITE AND MORE!

PRODUCTS REQUIRED
iDatalink Maestro RR Radio Replacement Interface
iDatalink Maestro GM5+ Installation Harness

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WELCOME

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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
BEFORE INSTALLING

**STEP 1**

**DETERMINE IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:**

**METHOD 1:** Look for the following logos in the vehicle. They are usually on the speaker covers or on the radio unit. If you find any of the following logos Bose, Pioneer, or Monsoon, you have a factory amplifier.

![Bose Logo]

![Pioneer Logo]

![Monsoon Logo]

**METHOD 2:** Look for the following sticker in the glove box. This sticker will indicate all the Regular Production Option (RPO) codes. If you find any of the following codes UQA, UQS, or UQG, you have a factory amplifier.

**SERVICE PARTS IDENTIFICATION DO NOT REMOVE**

<table>
<thead>
<tr>
<th>2GCEK19N031344764</th>
<th>1435FXWQH2Q</th>
<th>CK5753</th>
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<tbody>
<tr>
<td>AG1 AG2 AJ1 ALD AMT AN3 ALD AU3 A31 B30 B4U</td>
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<td></td>
</tr>
<tr>
<td>B56 B81 B93 C33 C49 C7H D5D D5F D5G D7</td>
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<td>EVA E93 FFS FFS G75 G80 JCA KIC JNP KUP K34</td>
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<td></td>
</tr>
<tr>
<td>K47 K58 LQ8 M10 NCL NDI NPC UQA UQ2 UQ3</td>
<td></td>
<td></td>
</tr>
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<td>UF3 UGK VR4 VTV VX3 V77 X63 X85 YD6 YE9</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Y5S ZDC ZY1 Z6O Z8Z 1FS 1FS 4U BYT 691 692</td>
<td></td>
<td></td>
</tr>
<tr>
<td>BC/CC U 8555 692</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**STEP 2**

**IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:**

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• Connect all the harnesses to the Maestro RR module then proceed to module setup.

The module is now ready to be used.
Insert the aftermarket radio in the dashboard housing and test all the functionalities.
Reassemble the dashboard carefully.

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DETERMINE IF YOU SHOULD USE RCA’S OR LEVEL MATCHING CIRCUITS

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CONNECT TO RADIO WITH LOW LEVEL OUTPUT:
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- GRAY - RF SPEAKER
- GRAY/BLACK - RF SPEAKER
- GREEN - LR SPEAKER
- GREEN/BLACK - LR SPEAKER
- PURPLE - RR SPEAKER
- PURPLE/BLACK - RR SPEAKER

**STEP 2**
FACTORY RADIO HARNESS

**STEP 3**
OBDDI CONNECTOR
- BROWN/RED - CANH
- BROWN/YELLOW - CANL
- TAN/BLACK

**STEP 4**
CONNECT TO AFTERMARKET RADIO

**STEP 5**
CONNECT TO RADIO WITH HIGH LEVEL OUTPUT:
- 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 (+)
- RED - ACCESSORY (+)
- YELLOW - 12V (+)
- ORANGE - ILLUMINATION (+)
- PURPLE/WHITE - REVERSE LIGHT (+)
- LTGREEN - E-BRAKE (-)
- YELLOW/BLACK - FOOT BRAKE
- BROWN (NOT CONNECTED)

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

NOTE: SEE RADIO WIRE REFERENCE CHART FOR RADIO WIRE COLORS.

CONNECT TO RADIO WITH LOW LEVEL OUTPUT:
- 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

CONNECT TO RADIO WITH HIGH LEVEL OUTPUT:
- 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 (+)
- RED - ACCESSORY (+)
- YELLOW - 12V (+)
- ORANGE - ILLUMINATION (+)
- PURPLE/WHITE - REVERSE LIGHT (+)
- LTGREEN - E-BRAKE (-)
- YELLOW/BLACK - FOOT BRAKE
- BROWN (NOT CONNECTED)
WIRING DIAGRAM without an Amplifier

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

**STEP 2**
Connect to the factory radio harness.

**STEP 3**
Connect to twisted wires behind connector.

**STEP 4**
Connect to backup camera.

**STEP 5**
Connect to aftermarket radio.

See radio wire reference chart for radio wire colors.

BROWN/RED - CANH
BROWN/YELLOW - CANL
TAN/BLACK

Note: pin side view.

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 (+)
Orange - Illumination (+)
Purple/White - Reverse light (+)
Pink - Vehicle speed
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 (+)
Orange - Illumination (+)
Purple/White - Reverse light (+)
Pink - Vehicle speed
Yellow/Black - Foot brake
Brown (not connected)

Yellow - 12V (+)
Black - Ground
Red - Accessory (+)
Blue/White - Amp. turn on (+)
Purple - RR speaker (+)

Connect to twisted wires behind connector.

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16

Connect to twisted wires behind connector.
# RADIO WIRE REFERENCE CHART

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<td>N/A</td>
<td>Orange/White</td>
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<td>Purple/White</td>
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</tr>
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<td>E-Brake</td>
<td>(-)</td>
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<td>Yellow/Blue</td>
<td>Lt Green</td>
<td>Lt Green</td>
</tr>
<tr>
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<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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</table>
INSTALL GUIDE

CHEVROLET MONTE CARLO
2006-2007

RETAINS STEERING WHEEL CONTROLS, ONSTAR, BLUETOOTH, XM SATELLITE AND MORE!

PRODUCTS REQUIRED
iDatalink Maestro RR Radio Replacement Interface
iDatalink Maestro GM5+ Installation Harness

OPTIONAL ACCESSORIES
None

PROGRAMMED Firmware
ADS-RR(SR)-GMS05-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.

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Radio Wire Reference Chart 7

Need Help?

1 866 427-2999

support@idatalink.com

maestro.idatalink.com/support

www.12voltdata.com/forum
BEFORE INSTALLING

STEP 1

DETERMINE IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

METHOD 1: Look for the following logos in the vehicle. They are usually on the speaker covers or on the radio unit. If you find any of the following logos Bose, Pioneer or Monsoon, you have a factory amplifier.

METHOD 2: Look for the following sticker in the glove box. This sticker will indicate all the Regular Production Option (RPO) codes. If you find any of the following codes UQA, UQS or UQG, you have a factory amplifier.

STEP 2

IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram with an amplifier and read the "AMPLIFIER ONLY" note to determine if you should use RCA’s or level matching circuits.

IF YOUR VEHICLE NOT IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram without an amplifier.
INSTALLATION INSTRUCTIONS

STEP 1
• Unbox the aftermarket radio and locate its main harness.
• Connect the wires shown on the next page from aftermarket radio main harness to the GM5+ T-harness and match the wire functions.

STEP 2
• Connect the factory harness to the GM5+ T-harness.

STEP 3
• Access the OBDII connector located under the driver side dashboard.
• Connect the BROWN /RED wire of the GM5+ T-harness to the wire located at pin 6 of the OBDII connector. (See the vehicle wire chart reference for wire colors)
• Connect the BROWN /YELLOW wire of the GM5+ T-harness to the wire located at pin 14 of the OBDII connector. (See the vehicle wire chart reference for wire colors)

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.

STEP 5
• Connect all the harnesses to the Maestro RR module then proceed to module setup.

The module is now ready to be used.
Insert the aftermarket radio in the dashboard housing and test all the functionalities.
Reassemble the dashboard carefully.

AMPLIFIER ONLY
DETERMINE IF YOU SHOULD USE RCA’S OR LEVEL MATCHING CIRCUITS

• If your vehicle is equipped with a factory amplifier you can connect the RCA wiring to the low level outputs of your aftermarket radio, or connect the level matching circuits to the speaker outputs of the aftermarket radio.
• If your aftermarket radio does not have low level outputs, has only a single RCA output, or the RCA output level is 2 volts or less then it is recommended to connect the level matching circuit to the speaker outputs. If the volume does not go loud enough using the RCA connections, the level matching circuits can be used.
• The internal amplifier in some radios is not compatible with the level matching circuit. In these cases, there will be floor noise [hissing or buzzing at low levels] when the level matching circuit is connected. Change to the RCA connections to eliminate this noise.

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
CONNECT TO RADIO WITH LOW LEVEL OUTPUT:
- 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

STEP 2
FACTORY RADIO HARNESS

STEP 3
OBDII CONNECTOR
- BROWN/RED - CANH
- BROWN/YELLOW - CANL
- TAN/BLACK

STEP 4
CONNECT TO AFTERMARKET RADIO

STEP 5
CONNECT TO RADIO WITH HIGH LEVEL OUTPUT:
- 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
- RED - ACCESSORY
- YELLOW - 12V
- ORANGE - ILLUMINATION
- PURPLE/WHITE - REVERSE LIGHT
- LTGREEN - E-BRAKE
- YELLOW/BLACK - FOOT BRAKE

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

OR
CONNECT TO RADIO WITH LOW LEVEL OUTPUT:
- 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

NOTE: PIN SIDE VIEW. CONNECT TO TWISTED WIRES BEHIND CONNECTOR.
WIRING DIAGRAM without an Amplifier

**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 (-)
- YELLOW/BLACK - FOOT BRAKE
- BROWN (NOT CONNECTED)

**STEP 2**

FACTORY RADIO HARNESS

- 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 (-)
- YELLOW/BLACK - FOOT BRAKE
- BROWN (NOT CONNECTED)

**STEP 3**

OBDII CONNECTOR

- 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 (-)
- YELLOW/BLACK - FOOT BRAKE
- BROWN (NOT CONNECTED)

**STEP 4**

CONNECT TO AFTERMARKET RADIO

- MAIN HARNESS
- RCA CABLES
- BCA CABLES
- AUDIO CABLES

**STEP 5**

SPEAKER

- MAESTRO RR MODULE

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

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</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>
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INSTALLED GUIDE

CHEVROLET SILVERADO 1500
2007-2011

RETAINS STEERING WHEEL CONTROLS, ONSTAR, BLUETOOTH, XM SATELLITE AND MORE!

PRODUCTS REQUIRED
iDatalink Maestro RR Radio Replacement Interface
iDatalink Maestro GM5+ Installation Harness

OPTIONAL ACCESSORIES
None

PROGRAMMED FIRMWARE
ADS-RR(SR)-GMS05-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.

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Radio Wire Reference Chart 7

NEED HELP?

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

STEP 1

DETERMINE IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

METHOD 1: Look for the following logos in the vehicle. They are usually on the speaker covers or on the radio unit. If you find any of the following logos Bose, Pioneer or Monsoon, you have a factory amplifier.

METHOD 2: Look for the following sticker in the glove box. This sticker will indicate all the Regular Production Option (RPO) codes. If you find any of the following codes UQA, UQS or UQG, you have a factory amplifier.

STEP 2

IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

If your vehicle is equipped with a factory amplifier:
Follow the installation instructions and complete the installation as shown in the wiring diagram with an amplifier and read the "AMPLIFIER ONLY" note to determine if you should use rca’s or level matching circuits.

IF YOUR VEHICLE NOT IS EQUIPPED WITH A FACTORY AMPLIFIER:

If your vehicle not is equipped with a factory amplifier:
Follow the installation instructions and complete the installation as shown in the wiring diagram without an amplifier.
INSTALLATION INSTRUCTIONS

STEP 1
- Unbox the aftermarket radio and locate its main harness.
- Connect the wires shown on the next page from aftermarket radio main harness to the GM5+ T-harness and match the wire functions.

STEP 2
- Connect the factory harness to the GM5+ T-harness.

STEP 3
- Access the OBDII connector located under the driver side dashboard.
- Connect the BROWN /RED wire of the GM5+ T-harness to the wire located at pin 6 of the OBDII connector. (See the vehicle wire chart reference for wire colors)
- Connect the BROWN /YELLOW wire of the GM5+ T-harness to the wire located at pin 14 of the OBDII connector. (See the vehicle wire chart reference for wire colors)

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.

STEP 5
- Connect all the harnesses to the Maestro RR module then proceed to module setup.

The module is now ready to be used.
Insert the aftermarket radio in the dashboard housing and test all the functionalities.
Reassemble the dashboard carefully.

AMPLIFIER ONLY

DETERMINE IF YOU SHOULD USE RCA’S OR LEVEL MATCHING CIRCUITS

- If your vehicle is equipped with a factory amplifier you can connect the RCA wiring to the low level outputs of your aftermarket radio, or connect the level matching circuits to the speaker outputs of the aftermarket radio.
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- The internal amplifier in some radios is not compatible with the level matching circuit. In these cases, there will be floor noise [hissing or buzzing at low levels] when the level matching circuit is connected. Change to the RCA connections to eliminate this noise.

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**
Cut and remove the speaker wire junction connectors.

**STEP 2**
Factory Radio Harness.

**STEP 3**
Obdii Connector.

**STEP 4**
Main Harness.

**STEP 5**
Maestro RR Module.

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

WIRE COLOURS:
- **WHITE** - LF Speaker (+)
- **WHITE/BLACK** - LF Speaker (-)
- **GRAY/BLACK** - RF Speaker (+)
- **GREEN/BLACK** - LR Speaker (+)
- **PURPLE** - RR Speaker (+)
- **PURPLE/BLACK** - RR Speaker (-)
- **BLACK** - Ground
- **RED** - Accessory (+)
- **ORANGE** - Illumination (+)
- **PURPLE/WHITE** - Reverse Light (+)
- **LTGREEN** - E-Brake (-)
- **YELLOW/BLACK** - Foot Brake
- **BROWN** (Not connected)
- **BROWN/RED** - CANH
- **BROWN/YELLOW** - CANL
- **TAN/BLACK**
- **TAN/BLACK**

SEE RADIO WIRE REFERENCE CHART FOR RADIO WIRE COLORS.

Cut and remove the speaker wire junction connectors.

Connect to twisted wires behind connector.
### RADIO WIRE REFERENCE CHART

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INSTALL GUIDE
CHEVROLET SILVERADO 1500
WITH NAV 2012-2013
RETAINS STEERING WHEEL CONTROLS, ONSTAR, BLUETOOTH, XM SATELLITE AND MORE!

PRODUCTS REQUIRED
iDatalink Maestro RR Radio Replacement Interface
iDatalink Maestro GM2 Installation Harness

OPTIONAL ACCESSORIES
None

PROGRAMMED FIRMWARE
ADS-RR(SR)-GMS05-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.

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NEED HELP?

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support@idatalink.com

maestro.idatalink.com/support

www.12voltdata.com/forum
BEFORE INSTALLING

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METHOD 2: Look for the following sticker in the glove box. This sticker will indicate all the Regular Production Option (RPO) codes. If you find any of the following codes UQA, UQS or UQG, you have a factory amplifier.

STEP 2
IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:
Follow the installation instructions and complete the installation as shown in the wiring diagram with an amplifier and read the “AMPLIFIER ONLY” note to determine if you should use RCA’s or level matching circuits.

IF YOUR VEHICLE NOT IS EQUIPPED WITH A FACTORY AMPLIFIER:
Follow the installation instructions and complete the installation as shown in the wiring diagram without an amplifier.
INSTALLATION INSTRUCTIONS

STEP 1
• Unbox the aftermarket radio and locate its main harness.
• Connect the wires shown on the next page from aftermarket radio main harness to the GM2 T-harness and match the wire functions.
• Remove the factory radio.

STEP 2
• Connect the GREEN male 2 pin connector of the backup camera cable to the GREEN female connector of the backup camera adapter. Connect GRAY connector of adapter to the vehicle backup camera harness.

STEP 3
• Connect the factory harness to the GM2 T-harness. Ensure that the RED 2 pin plugs are connected.

STEP 4
• Plug the OBDII connector into the OBDII of the vehicle, under driver dash.

STEP 5
• Plug the aftermarket radio harnesses into the aftermarket radio.
• Connect the backup camera RCA cable 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 6
• Connect all the harnesses to the Maestro RR module then 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 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 (+)
- YELLOW - 12V (+)
- ORANGE - ILLUMINATION (+)
- PURPLE/WHITE - REVERSE LIGHT (+)
- LTGREEN - E-BRAKE (-)
- YELLOW/BLACK - FOOT BRAKE
- BROWN (NOT CONNECTED)

**STEP 2**
- GREEN - BACKUP CAMERA HARNESS

**STEP 3**
- FACTORY RADIO HARNESS

**STEP 4**
- OBDII CONNECTOR

**STEP 5**
- CONNECT TO AFTERMARKET RADIO

**STEP 6**
- AUDIO CABLE
- SPEAKER

SEE RADIO WIRE REFERENCE CHART FOR RADIO WIRE COLORS.
WIRING DIAGRAM without an Amplifier

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

**STEP 2**
Backup Camera Harness

**STEP 3**
Factory Radio Harness

**STEP 4**
OBDII Connector

**STEP 5**
Connect to Aftermarket Radio

**STEP 6**
Connect the backup camera.

Wires from vehicle:
- GREEN - LF SPEAKER (+)
- WHITE/BLACK - LF SPEAKER (-)
- GRAY - RF SPEAKER (+)
- GRAY/BLACK - RF SPEAKER (-)
- GREEN - LR SPEAKER (+)
- GREEN/BLACK - LR SPEAKER (-)
- PURPLE - RR SPEAKER (+)
- BLUE/WHITE - AMP. TURN ON (+)
- BLACK - GROUND
- RED - ACCESSORY (+)
- YELLOW - 12V (+)
- ORANGE - ILLUMINATION (+)
- PURPLE/WHITE - REVERSE LIGHT (+)
- LT GREEN - E-BRAKE (-)
- YELLOW/BLACK - FOOT BRAKE
- GREEN/BLACK - CONNECT TO AFTERMARKET RADIO DATA CABLE
- PURPLE/WHITE - REVERSE LIGHT (+)
- BROWN (NOT CONNECTED)

Audio cable:
- BLACK - GROUND
- RED - ACCESSORY (+)
- BLUE/WHITE - AMP. TURN ON (+)
- WHITE - LF SPEAKER (+)
- WHITE/BLACK - LF SPEAKER (-)
- GRAY - RF SPEAKER (+)
- GRAY/BLACK - RF SPEAKER (-)
- GREEN - LR SPEAKER (+)
- GREEN/BLACK - LR SPEAKER (-)
- PURPLE - RR SPEAKER (+)
- BLUE/WHITE - AMP. TURN ON (+)
- BLACK - GROUND
- RED - ACCESSORY (+)
- YELLOW - 12V (+)
- ORANGE - ILLUMINATION (+)
- PURPLE/WHITE - REVERSE LIGHT (+)
- LT GREEN - E-BRAKE (-)
- YELLOW/BLACK - FOOT BRAKE
- GREEN/BLACK - CONNECT TO AFTERMARKET RADIO DATA CABLE
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- BROWN (NOT CONNECTED)

See radio wire reference chart for radio wire colors.
# RADIO WIRE REFERENCE CHART

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<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)-GMS05-DS

**PRODUCTS REQUIRED**
- iDatalink Maestro RR Radio Replacement Interface
- iDatalink Maestro GM5+ Installation Harness

**INSTALL GUIDE**

**CHEVROLET SILVERADO 1500 WITHOUT NAV 2012-2013**

RETAINS STEERING WHEEL CONTROLS, ONSTAR, BLUETOOTH, XM SATELLITE AND MORE!

---

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<tbody>
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<td>None</td>
<td>ADS-RR(SR)-GMS05-DS</td>
</tr>
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<td>iDatalink Maestro GM5+ Installation Harness</td>
<td></td>
<td></td>
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</tbody>
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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.

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

NEED HELP?

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support@idatalink.com

maestro.idatalink.com/support

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Installation Instructions 4

Wiring Diagram with an Amplifier 5

Wiring Diagram without an Amplifier 6

Radio Wire Reference Chart 7
BEFORE INSTALLING

**STEP 1**

DETERMINE IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

**METHOD 1:** Look for the following logos in the vehicle. They are usually on the speaker covers or on the radio unit. If you find any of the following logos Bose, Pioneer or Monsoon, you have a factory amplifier.

**METHOD 2:** Look for the following sticker in the glove box. This sticker will indicate all the Regular Production Option (RPO) codes. If you find any of the following codes UQA, UQS or UQG, you have a factory amplifier.

**STEP 2**

IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **with an amplifier** and read the "AMPLIFIER ONLY" note to determine if you should use rca’s or level matching circuits.

IF YOUR VEHICLE NOT IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **without an amplifier**.
INSTALLATION INSTRUCTIONS

**STEP 1**

- Unbox the aftermarket radio and locate its main harness.
- Connect the wires shown on the next page from aftermarket radio main harness to the GM5+ T-harness and match the wire functions.

**STEP 2**

- Connect the factory harness to the GM5+ T-harness.

**STEP 3**

- Access the OBDII connector located under the driver side dashboard.
- Connect the BROWN /RED wire of the GM5+ T-harness to the wire located at pin 6 of the OBDII connector. (See the vehicle wire chart reference for wire colors)
- Connect the BROWN /YELLOW wire of the GM5+ T-harness to the wire located at pin 14 of the OBDII connector. (See the vehicle wire chart reference for wire colors)

**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.

**STEP 5**

- Connect all the harnesses to the Maestro RR module then proceed to module setup.

The module is now ready to be used.

Insert the aftermarket radio in the dashboard housing and test all the functionalities.

Reassemble the dashboard carefully.

**AMPLIFIER ONLY**

**DETERMINE IF YOU SHOULD USE RCA’S OR LEVEL MATCHING CIRCUITS**

- If your vehicle is equipped with a factory amplifier you can connect the RCA wiring to the low level outputs of your aftermarket radio, or connect the level matching circuits to the speaker outputs of the aftermarket radio.
- If your aftermarket radio does not have low level outputs, has only a single RCA output, or the RCA output level is 2 volts or less then it is recommended to connect the level matching circuit to the speaker outputs. If the volume does not go loud enough using the RCA connections, the level matching circuits can be used.
- The internal amplifier in some radios is not compatible with the level matching circuit. In these cases, there will be floor noise [hissing or buzzing at low levels] when the level matching circuit is connected. Change to the RCA connections to eliminate this noise.

**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**  
CONNECT TO RADIO WITH LOW LEVEL OUTPUT:
- 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 (-)

**CONNECT TO RADIO WITH HIGH LEVEL OUTPUT:**
- 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 (-)
- RED - ACCESSORY (+)
- YELLOW - 12V (+)
- ORANGE - ILLUMINATION (+)
- PURPLE/WHITE - REVERSE LIGHT (+)
- LTGREEN - E-BRAKE (-)
- YELLOW/BLACK - FOOT BRAKE
- BROWN (NOT CONNECTED)

**STEP 2**  
FACTORY RADIO HARNESS

**STEP 3**  
OBDDI CONNECTOR

**STEP 4**  
CONNECT TO AFTERMARKET RADIO

**STEP 5**  
CONNECT TO THE FACTORY RADIO HARNESS

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

**CONNECT TO RADIO WITH LOW LEVEL OUTPUT:**
- 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 (-)

**CONNECT TO RADIO WITH HIGH LEVEL OUTPUT:**
- 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 (-)
- RED - ACCESSORY (+)
- YELLOW - 12V (+)
- ORANGE - ILLUMINATION (+)
- PURPLE/WHITE - REVERSE LIGHT (+)
- LTGREEN - E-BRAKE (-)
- YELLOW/BLACK - FOOT BRAKE
- BROWN (NOT CONNECTED)

**STEP 1**

**STEP 2**

**STEP 3**

**STEP 4**

**STEP 5**

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

**CONNECT TO RADIO WITH LOW LEVEL OUTPUT:**
- 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 (-)

**CONNECT TO RADIO WITH HIGH LEVEL OUTPUT:**
- WHITE - LF SPEAKER (+)
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- GRAY/BLACK - RF SPEAKER (-)
- GREEN - LR SPEAKER (+)
- GREEN/BLACK - LR SPEAKER (-)
- PURPLE - RR SPEAKER (+)
- PURPLE/BLACK - RR SPEAKER (-)
- RED - ACCESSORY (+)
- YELLOW - 12V (+)
- ORANGE - ILLUMINATION (+)
- PURPLE/WHITE - REVERSE LIGHT (+)
- LTGREEN - E-BRAKE (-)
- YELLOW/BLACK - FOOT BRAKE
- BROWN (NOT CONNECTED)
**WIRING DIAGRAM without an Amplifier**

**STEP 1**

CUT AND REMOVE THE SPEAKER WIRE JUNCTION CONNECTORS

- 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 (+)
- ORANGE - ILLUMINATION (+)
- ORANGE/WHITE - REVERSE LIGHT (+)
- LT GREEN - E-BRAKE (-)
- YELLOW/BLACK - FOOT BRAKE
- BROWN (NOT CONNECTED)

**STEP 2**

FACTORY RADIO HARNESS

- 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 (+)
- ORANGE - ILLUMINATION (+)
- ORANGE/WHITE - REVERSE LIGHT (+)
- LT GREEN - E-BRAKE (-)
- YELLOW/BLACK - FOOT BRAKE
- BROWN (NOT CONNECTED)

**STEP 3**

ODBDII CONNECTOR

- BROWN/RED - CANH
- BROWN/YELLOW - CANL
- TAN/BLACK

**STEP 4**

CONNECT TO AFTERMARKET RADIO

BACKUP CAM

CONNECT TO RCA CABLES

**STEP 5**

WIRES FROM VEHICLE

DATA CABLE

AUDIO CABLE

MAESTRO RR MODULE

SPEAKER

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

- CENTER (NOT CONNECTED)
- SUB (NOT CONNECTED)

CUT AND REMOVE THE SPEAKER WIRE JUNCTION CONNECTORS

- 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 (+)
- ORANGE - ILLUMINATION (+)
- ORANGE/WHITE - REVERSE LIGHT (+)
- LT GREEN - E-BRAKE (-)
- YELLOW/BLACK - FOOT BRAKE
- BROWN (NOT CONNECTED)

BROWN/RED - CANH
BROWN/YELLOW - CANL

TAN/BLACK

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16

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

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<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
CHEVROLET
SILVERADO 2500 & 3500
2007-2011

RETAINS STEERING WHEEL CONTROLS, ONSTAR, BLUETOOTH, XM SATELLITE AND MORE!

PRODUCTS REQUIRED
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iDatalink Maestro GM5+ Installation Harness

OPTIONAL ACCESSORIES
None

PROGRAMMED FIRMWARE
ADS-RR(SR)-GMS05-DS

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STEP 2
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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.

STEP 5
• Connect all the harnesses to the Maestro RR module then proceed to module setup.

The module is now ready to be used.
Insert the aftermarket radio in the dashboard housing and test all the functionalities.
Reassemble the dashboard carefully.

AMPLIFIER ONLY
DETERMINE IF YOU SHOULD USE RCA’S OR LEVEL MATCHING CIRCUITS

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- GREEN - LR SPEAKER (+)
- GREEN/BLACK - LR SPEAKER (-)
- PURPLE - RR SPEAKER (+)
- PURPLE/BLACK - RR SPEAKER (-)

**STEP 2**
FACTORY RADIO HARNESS

**STEP 3**
ORDBI CONNECTOR
- BROWN/RED - CANH
- BROWN/YELLOW - CANL
- TAN/BLACK

**STEP 4**
CONNECT TO AFTERMARKET RADIO

**STEP 5**
CONNECT TO TWISTED WIRES BEHIND CONNECTOR.

**NOTE:** PIN SIDE VIEW.

**WIRING COLORS:**
- WHITE - LF SPEAKER (+)
- WHITE/BLACK - LF SPEAKER (-)
- GRAY - RF SPEAKER (+)
- GRAY/BLACK - RF SPEAKER (-)
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- GREEN/BLACK - LR SPEAKER (-)
- PURPLE - RR SPEAKER (+)
- PURPLE/BLACK - RR SPEAKER (-)
- BLUE/WHITE - AMP TURN ON (+)
- ORANGE - ILLUMINATION (+)
- PURPLE/WHITE - REVERSE LIGHT (+)
- LT GREEN - E-BRAKE (-)
- YELLOW/BLACK - FOOT BRAKE
- BROWN (NOT CONNECTED)

**WIRING TO RADIO:**
- WHITE - LF SPEAKER (+)
- WHITE/BLACK - LF SPEAKER (-)
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- PURPLE/BLACK - RR SPEAKER (-)
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- ORANGE - ILLUMINATION (+)
- PURPLE/WHITE - REVERSE LIGHT (+)
- LT GREEN - E-BRAKE (-)
- YELLOW/BLACK - FOOT BRAKE
- BROWN (NOT CONNECTED)

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

**Audio Wiring Diagram**

**With an Amplifier**

**Connections:**
- CONNECT TO TWISTED WIRES BEHIND CONNECTOR.
- CONNECT TO RADIO WITH LOW LEVEL OUTPUT.
- CONNECT TO RADIO WITH HIGH LEVEL OUTPUT.
- CONNECT TO AFTERMARKET RADIO.

**Radio 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 (+)
- ORANGE - ILLUMINATION (+)
- PURPLE/WHITE - REVERSE LIGHT (+)
- LT GREEN - E-BRAKE (-)
- YELLOW/BLACK - FOOT BRAKE
- BROWN (NOT CONNECTED)
WIRING DIAGRAM without an Amplifier

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 (+)
PINK - VEHICLE SPEED
YELLOW/BLACK - FOOT BRAKE

STEP 2

WIRE CONNECTIONS

FACTORY RADIO HARNESS

STEP 3

BROWN/RED - CANH
BROWN/YELLOW - CANL
TAN/BLACK

STEP 4

CONNECT TO AFTERMARKET RADIO

WIRING HARNESS

BOTH CAM CABLES

STEP 5

MAESTRO RR MODULE

CONNECT TO TWISTED WIRES BEHIND CONNECTOR.

NOTE: PIN SIDE VIEW.
# RADIO WIRE REFERENCE CHART

<table>
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<td>VSS (vehicle speed sensor)</td>
<td>[DATA]</td>
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<td>Green/White</td>
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INSTALL GUIDE
CHEVROLET
SILVERADO 2500 & 3500
WITHOUT NAV 2012-2014
RETAINS STEERING WHEEL CONTROLS, ONSTAR, BLUETOOTH, XM SATELLITE AND MORE!

PRODUCTS REQUIRED
iDatalink Maestro RR Radio Replacement Interface
iDatalink Maestro GM5+ Installation Harness

OPTIONAL ACCESSORIES
None

PROGRAMMED FIRMWARE
ADS-RR(SR)-GMS05-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.

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Radio Wire Reference Chart 7

NEED HELP?

1 866 427-2999

support@idatalink.com

maestro.idatalink.com/support

www.12voltdata.com/forum
BEFORE INSTALLING

**STEP 1**

**DETERMINE IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:**

**METHOD 1:** Look for the following logos in the vehicle. They are usually on the speaker covers or on the radio unit. If you find any of the following logos Bose, Pioneer or Monsoon, you have a factory amplifier.

**METHOD 2:** Look for the following sticker in the glove box. This sticker will indicate all the Regular Production Option (RPO) codes. If you find any of the following codes UQA, UQS or UQG, you have a factory amplifier.

**STEP 2**

**IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:**

Follow the installation instructions and complete the installation as shown in the wiring diagram with an amplifier and read the "AMPLIFIER ONLY" note to determine if you should use rca's or level matching circuits.

**IF YOUR VEHICLE NOT IS EQUIPPED WITH A FACTORY AMPLIFIER:**

Follow the installation instructions and complete the installation as shown in the wiring diagram without an amplifier.
INSTALLATION INSTRUCTIONS

STEP 1
• Unbox the aftermarket radio and locate its main harness.
• Connect the wires shown on the next page from aftermarket radio main harness to the GM5+ T-harness and match the wire functions.

STEP 2
• Connect the factory harness to the GM5+ T-harness.

STEP 3
• Access the OBDII connector located under the driver side dashboard.
• Connect the BROWN /RED wire of the GM5+ T-harness to the wire located at pin 6 of the OBDII connector. (See the vehicle wire chart reference for wire colors)
• Connect the BROWN /YELLOW wire of the GM5+ T-harness to the wire located at pin 14 of the OBDII connector. (See the vehicle wire chart reference for wire colors)

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.

STEP 5
• Connect all the harnesses to the Maestro RR module then proceed to module setup.

The module is now ready to be used.
Insert the aftermarket radio in the dashboard housing and test all the functionalities.
Reassemble the dashboard carefully.

AMPLIFIER ONLY
DETERMINE IF YOU SHOULD USE RCA’S OR LEVEL MATCHING CIRCUITS
• If your vehicle is equipped with a factory amplifier you can connect the RCA wiring to the low level outputs of your aftermarket radio, or connect the level matching circuits to the speaker outputs of the aftermarket radio.
• If your aftermarket radio does not have low level outputs, has only a single RCA output, or the RCA output level is 2 volts or less then it is recommended to connect the level matching circuit to the speaker outputs. If the volume does not go loud enough using the RCA connections, the level matching circuits can be used.
• The internal amplifier in some radios is not compatible with the level matching circuit. In these cases, there will be floor noise (hissing or buzzing at low levels) when the level matching circuit is connected. Change to the RCA connections to eliminate this noise.

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
CONNECT TO RADIO WITH LOW LEVEL OUTPUT:
- 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 (-)

CONNECT TO RADIO WITH HIGH LEVEL OUTPUT:
- WHITE - LF SPEAKER (+)
- WHITE/BLACK - LF SPEAKER (-)
- GRAY - RF SPEAKER (+)
- GRAY/BLACK - RF SPEAKER (-)
- GREEN - LR SPEAKER (+)
- GREEN/BLACK - LR SPEAKER (-)
- PURPLE - RR SPEAKER (+)
- PURPLE/BLACK - RR SPEAKER (-)
- BLUE/WHITE - AMP. TURN ON (+)
- BLUE/WHITE - AMP. TURN ON (-)
- RED - ACCESSORY (+)
- YELLOW - 12V (+)
- ORANGE - ILLUMINATION (+)
- PURPLE/WHITE - REVERSE LIGHT (+)

STEP 2
FACTORY RADIO HARNESS

STEP 3
OBII CONNECTOR
- BROWN/RED - CANH
- BROWN/YELLOW - CANL
- TAN/BLACK
- TAN

STEP 4
MAESTRO RR MODULE
- GMS05+ T-HARNESS
- FACTORY RADIO HARNESS
- WIRES FROM VEHICLE
- AUDIO CABLE
- RCA CABLES
- MAIN HARNESS
- CENTER
- SUB
- BACKUP CAM

STEP 5
CONNECT TO AFTERMARKET RADIO

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

NOTE: Pin Side View.
Connect to twisted wires behind connector.

CONNECT TO RADIO WITH LOW LEVEL OUTPUT:
- 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 (-)

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- GREEN/BLACK - LR SPEAKER (-)
- PURPLE - RR SPEAKER (+)
- PURPLE/BLACK - RR SPEAKER (-)
- BLUE/WHITE - AMP. TURN ON (+)
- BLUE/WHITE - AMP. TURN ON (-)
- RED - ACCESSORY (+)
- YELLOW - 12V (+)
- ORANGE - ILLUMINATION (+)
- PURPLE/WHITE - REVERSE LIGHT (+)

NOTE: Pin Side View.
Connect to twisted wires behind connector.
WIRING DIAGRAM without an Amplifier

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

**STEP 2**
Factory radio harness.

**STEP 3**
Obdii connector.

**STEP 4**
Main harness.
Connect to backup cam.
Connect to aftermarket radio.
Bca cables.

**STEP 5**
Wires from vehicle.
Data cable.
Audio cables.

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

Connect to Twist WIRES BEHIND CONNECTOR.
# RADIO WIRE REFERENCE CHART

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INSTALL GUIDE

CHEVROLET SILVERADO 2500 WITH NAV 2012-2014

RETAILS STEERING WHEEL CONTROLS, ONSTAR, BLUETOOTH, XM SATELLITE AND MORE!

PRODUCTS REQUIRED
iDatalink Maestro RR Radio Replacement Interface
iDatalink Maestro GM2 Installation Harness

OPTIONAL ACCESSORIES
None

PROGRAMMED FIRMWARE
ADS-RR(SR)-GMS05-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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BEFORE INSTALLING

STEP 1

DETERMINE IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

METHOD 1: Look for the following logos in the vehicle. They are usually on the speaker covers or on the radio unit. If you find any of the following logos Bose, Pioneer or Monsoon, you have a factory amplifier.

METHOD 2: Look for the following sticker in the glove box. This sticker will indicate all the Regular Production Option (RPO) codes. If you find any of the following codes UQA, UQS or UQG, you have a factory amplifier.

STEP 2

IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram with an amplifier and read the “AMPLIFIER ONLY” note to determine if you should use RCA’s or level matching circuits.

IF YOUR VEHICLE NOT IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram without an amplifier.
INSTALLATION INSTRUCTIONS

STEP 1
• Unbox the aftermarket radio and locate its main harness.
• Connect the wires shown on the next page from aftermarket radio main harness to the GM2 T-harness and match the wire functions.
• Remove the factory radio.

STEP 2
• Connect the GREEN male 2 pin connector of the backup camera cable to the GREEN female connector of the backup camera adapter. Connect GRAY connector of adapter to the vehicle backup camera harness.

STEP 3
• Connect the factory harness to the GM2 T-harness. Ensure that the RED 2 pin plugs are connected.

STEP 4
• Plug the OBDII connector into the OBDII of the vehicle, under driver dash.

STEP 5
• Plug the aftermarket radio harnesses into the aftermarket radio.
• Connect the backup camera RCA cable 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 6
• Connect all the harnesses to the Maestro RR module then 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 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 (+)
- YELLOW - 12V (+)
- ORANGE - ILLUMINATION (+)
- LTGREEN - E-BRAKE (-)
- PINK - VEHICLE SPEED
- YELLOW/BLACK - FOOT BRAKE
- BROWN (NOT CONNECTED)

**STEP 2**
- GREEN - GREEN
- RED - RED
- OBDII CONNECTOR

**STEP 3**
- FACTORY RADIO HARNESS

**STEP 4**
- OBDII CONNECTOR

**STEP 5**
- CONNECT TO AFTERMARKET RADIO
- MAIN HARNESS
- RCA CABLE
- DATA CABLE
- AUDIO CABLE

**STEP 6**
- SPEAKER
- MAESTRO RR MODULE

SEE RADIO WIRE REFERENCE CHART FOR RADIO WIRE COLORS

**GM2 T-HARNESS**

**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 (+)**
**LTGREEN - E-BRAKE (-)**
**PINK - VEHICLE SPEED**
**YELLOW/BLACK - FOOT BRAKE**
**BROWN (NOT CONNECTED)**
WIRING DIAGRAM without an Amplifier

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

**STEP 2**
Connect the backup camera harness.

**STEP 3**
Connect the factory radio harness.

**STEP 4**
Connect the OBDII connector.

**STEP 5**
Connect to the aftermarket radio.

**STEP 6**
Connect the main harness.

Audio cable and RCA cable connections are shown.

Wire colors include:
- WHITE - LF SPEAKER (+)
- WHITE/BLACK - LF SPEAKER (-)
- GRAY - RF SPEAKER (+)
- GRAY/BLACK - RF SPEAKER (-)
- GREEN - LR SPEAKER (+)
- GREEN/BLACK - LR SPEAKER (-)
- PURPLE - RR SPEAKER (+)
- BLUE/WHITE - AMP. TURN ON (+)
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- YELLOW - 12V (+)
- ORANGE - ILLUMINATION (+)
- PURPLE/WHITE - REVERSE LIGHT (+)
- LTGREEN - E-BRAKE (-)
- YELLOW/BLACK - FOOT BRAKE
- GREEN/BLACK - FOOT BRAKE
- BROWN (NOT CONNECTED)

See radio wire reference chart for radio wire colors.

Factory radio harness, backup camera harness, and OBDII connector diagrams are shown.

Audio cable and RCA cable connections are shown.

Connect the speaker wire to the aftermarket radio.

Cut and remove the speaker wire junction connectors.

See radio wire reference chart for radio wire colors.

Factory radio harness, backup camera harness, and OBDII connector diagrams are shown.

Audio cable and RCA cable connections are shown.

Connect the speaker wire to the aftermarket radio.

Cut and remove the speaker wire junction connectors.
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OPTIONAL ACCESSORIES
None

PROGRAMMED FIRMWARE
ADS-RR(SR)-GMS05-DS

PRODUCTS REQUIRED
iDatalink Maestro RR Radio Replacement Interface
iDatalink Maestro GM5+ Installation Harness

INSTALL GUIDE
CHEVROLET SUBURBAN
2007-2011

RETAINS STEERING WHEEL CONTROLS, ONSTAR, BLUETOOTH, XM SATELLITE AND MORE!

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WELCOME

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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

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**STEP 2**

IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

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INSTALLATION INSTRUCTIONS

STEP 1
- Unbox the aftermarket radio and locate its main harness.
- Connect the wires shown on the next page from aftermarket radio main harness to the GM5+ T-harness and match the wire functions.

STEP 2
- Connect the factory harness to the GM5+ T-harness.

STEP 3
- Access the OBDII connector located under the driver side dashboard.
- Connect the BROWN /RED wire of the GM5+ T-harness to the wire located at pin 6 of the OBDII connector. (See the vehicle wire chart reference for wire colors)
- Connect the BROWN /YELLOW wire of the GM5+ T-harness to the wire located at pin 14 of the OBDII connector. (See the vehicle wire chart reference for wire colors)

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.

STEP 5
- Connect all the harnesses to the Maestro RR module then proceed to module setup.

The module is now ready to be used.
Insert the aftermarket radio in the dashboard housing and test all the functionalities.
Reassemble the dashboard carefully.

AMPLIFIER ONLY
DETERMINE IF YOU SHOULD USE RCA’S OR LEVEL MATCHING CIRCUITS
- If your vehicle is equipped with a factory amplifier you can connect the RCA wiring to the low level outputs of your aftermarket radio, or connect the level matching circuits to the speaker outputs of the aftermarket radio.
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WIRING DIAGRAM with an Amplifier

STEP 1
CONNECT TO RADIO WITH LOW LEVEL OUTPUT:
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- 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 (-)
- TAN/BLACK - PRIM.
- TAN - COM.
- TAN/BLACK - GND.
- TAN - 12V.
- ORANGE - VEHICLE SPEED
- BROWN (NOT CONNECTED)

FOR RADIO WIRE COLORS SEE RADIO WIRE REFERENCE CHART

STEP 2
FACTORY RADIO HARNESS

STEP 3
ORDII CONNECTOR
- BROWN/RED - CANH
- BROWN/YELLOW - CANL
- BROWN/BLACK - TWISTED WIRE
- TAN/BLACK - TWISTED WIRE
- TAN - 12V
- ORANGE - VEHICLE SPEED
- BLACK - GND

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

STEP 4
CONNECT TO AFTERMARKET RADIO

STEP 5
SEE RADIO WIRE REFERENCE CHART FOR RADIO WIRE COLORS

FACTORY RADIO HARNESS

L - POWER
R - SOUND
C - MAIN HARN.
AUX INPUT
AUX OUTPUT
SPEAKER
OBDII CONNECTOR
GMS05+ T-HARNESS
FACTORY RADIO HARNESS
WIRE FROM VEHICLE
MAESTRO RR MODULE
RCA CABLES
WIRING DIAGRAM WITH AN AMPLIFIER

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

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 (-)
TAN/BLACK - PRIM.
TAN - COM.
TAN/BLACK - GND.
TAN - 12V
ORANGE - VEHICLE SPEED
BROWN (NOT CONNECTED)

WHITE/BLACK - CANH
BROWN/YELLOW - CANL
BROWN/BLACK - TWISTED WIRE
TAN/BLACK - TWISTED WIRE
TAN - 12V
ORANGE - VEHICLE SPEED
BLACK - GND

INTERCONNECT CABLES

SPEAKER
OBDII CONNECTOR
MAESTRO RR MODULE
RCA CABLES
WIRING DIAGRAM WITH AN AMPLIFIER

NOTE: PIN SIDE VIEW.
CONNECT TO TWISTED WIRES BEHIND CONNECTOR.
WIRING DIAGRAM without an Amplifier

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 (+)
- PINK - VEHICLE SPEED
- YELLOW - 12V (+)
- BLACK - GROUND
- RED - ACCESSORY (+)
- BLUE/WHITE - AMP. TURN ON (+)
- PURPLE - RR SPEAKER (+)
- BROWN (NOT CONNECTED)

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

STEP 2
FACTORY RADIO HARNESS

- WHITE/BLACK - LF SPEAKER (-)
- GRAY/BLACK - RF SPEAKER (-)
- GREEN/BLACK - LR SPEAKER (-)
- PURPLE/BLACK - RR SPEAKER (-)
- YELLOW/BLACK - FOOT BRAKE
- BROWN/RED - CANH
- BROWN/YELLOW - CANL

SEE RADIO WIRE REFERENCE CHART FOR RADIO WIRE COLORS

STEP 3
OBDDII CONNECTOR

- 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 (+)
- BLUE/WHITE - AMP. TURN ON (+)
- PURPLE - RR SPEAKER (+)
- BROWN (NOT CONNECTED)

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

STEP 4
MAIN HARNESS

CONNECT TO AFTERMARKET RADIO

- RCA CABLES
- AUDIO CABLE
- DATA CABLE

STEP 5
SPEAKER

- 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 (+)
- BLUE/WHITE - AMP. TURN ON (+)
- PURPLE - RR SPEAKER (+)
- BROWN (NOT CONNECTED)

CUT AND REMOVE THE SPEAKER WIRE JUNCTION CONNECTORS

- WHITE/BLACK - LF SPEAKER (-)
- GRAY/BLACK - RF SPEAKER (-)
- GREEN/BLACK - LR SPEAKER (-)
- PURPLE/BLACK - RR SPEAKER (-)
- YELLOW/BLACK - FOOT BRAKE
- BROWN/RED - CANH
- BROWN/YELLOW - CANL

SEE RADIO WIRE REFERENCE CHART FOR RADIO WIRE COLORS

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

- 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 (+)
- BLUE/WHITE - AMP. TURN ON (+)
- PURPLE - RR SPEAKER (+)
- BROWN (NOT CONNECTED)
### RADIO WIRE REFERENCE CHART

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<th>Wire Color on Pioneer cable</th>
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<tr>
<td>Illumination (+)</td>
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<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) [DATA]</td>
<td></td>
<td>Pink</td>
<td>Green/White</td>
<td>N/A</td>
<td>Pink</td>
</tr>
</tbody>
</table>

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chevrolet suburban 2007-2011

ADS-RRSRI-GM505-DS

maestro.idatalink.com
INSTALL GUIDE

CHEVROLET SUBURBAN WITH NAV 2012-2014

RETAINS STEERING WHEEL CONTROLS, ONSTAR, BLUETOOTH, XM SATELLITE AND MORE!

PRODUCTS REQUIRED
iDatalink Maestro RR Radio Replacement Interface
iDatalink Maestro GM2 Installation Harness

OPTIONAL ACCESSORIES
None

PROGRAMMED Firmware
ADS-RR(SR)-GMS05-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.

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Installation Instructions 4
Wiring Diagram with an Amplifier 5
Wiring Diagram without an Amplifier 6
Radio Wire Reference Chart 7

NEED HELP?

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

STEP 1

DETERMINE IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

METHOD 1: Look for the following logos in the vehicle. They are usually on the speaker covers or on the radio unit. If you find any of the following logos Bose, Pioneer or Monsoon, you have a factory amplifier.

METHOD 2: Look for the following sticker in the glove box. This sticker will indicate all the Regular Production Option (RPO) codes. If you find any of the following codes UQA, UQS or UQG, you have a factory amplifier.

STEP 2

IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram with an amplifier and read the "AMPLIFIER ONLY" note to determine if you should use rca’s or level matching circuits.

IF YOUR VEHICLE NOT IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram without an amplifier.
INSTALLATION INSTRUCTIONS

STEP 1

• Unbox the aftermarket radio and locate its main harness.
• Connect the wires shown on the next page from aftermarket radio main harness to the GM2 T-harness and match the wire functions.
• Remove the factory radio.

STEP 2

• Connect the GREEN male 2 pin connector of the backup camera cable to the GREEN female connector of the backup camera adapter. Connect GRAY connector of adapter to the vehicle backup camera harness.

STEP 3

• Connect the factory harness to the GM2 T-harness. Ensure that the RED 2 pin plugs are connected.

STEP 4

• Plug the OBDII connector into the OBDII of the vehicle, under driver dash.

STEP 5

• Plug the aftermarket radio harnesses into the aftermarket radio.
• Connect the backup camera RCA cable 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 6

• Connect all the harnesses to the Maestro RR module then 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 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 (+)
- YELLOW - 12V (+)
- ORANGE - ILLUMINATION (+)
- PURPLE/WHITE - REVERSE LIGHT (+)
- LTGREEN - E-BRAKE (-)
- YELLOW/BLACK - FOOT BRAKE
- BROWN (NOT CONNECTED)

STEP 2
- BACKUP CAMERA HARNESS
- GREEN
- RED

STEP 3
- FACTORY RADIO HARNESS
- RED
- RED

STEP 4
- OBDII CONNECTOR
- GREEN
- NOT CONNECTED

STEP 5
- MAIN HARNESS
- RCA CABLE
- CONNECT TO AFTERMARKET RADIO

STEP 6
- AUDIO CABLE
- SPEAKER
- MAESTRO RR MODULE

SEE RADIO WIRE REFERENCE CHART FOR RADIO WIRE COLORS

CONNECT TO AFTERMARKET RADIO 

WIRING DIAGRAM with an Amplifier
WIRING DIAGRAM without an Amplifier

STEP 1
CUT AND REMOVE THE SPEAKER WIRE JUNCTION CONNECTORS

STEP 2
BACKUP CAMERA HARNESS

STEP 3
FACTORY RADIO HARNESS

STEP 4
OBDII CONNECTOR

STEP 5
CONNECT TO AFTERMARKET RADIO

STEP 6
MAESTRO RR MODULE
# RADIO WIRE REFERENCE CHART

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<td>Orange/White</td>
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<tr>
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</tr>
<tr>
<td>E-Brake</td>
<td>(-)</td>
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<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>
INSTALL GUIDE
CHEVROLET SUBURBAN
WITHOUT NAV 2012-2014

RETAINS STEERING WHEEL CONTROLS, ONSTAR, BLUETOOTH, XM 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 GM5+ Installation Harness

OPTIONAL ACCESSORIES
None

PROGRAMMED Firmware
ADS-RR(SR)-GMS05-DS
WELCOME

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

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

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

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NEED HELP?

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BEFORE INSTALLING

**STEP 1**

DETERMINE IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

**METHOD 1:** Look for the following logos in the vehicle. They are usually on the speaker covers or on the radio unit. If you find any of the following logos Bose, Pioneer or Monsoon, you have a factory amplifier.

**METHOD 2:** Look for the following sticker in the glove box. This sticker will indicate all the Regular Production Option (RPO) codes. If you find any of the following codes UQA, UQS or UQG, you have a factory amplifier.

**STEP 2**

IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram with an amplifier and read the "AMPLIFIER ONLY" note to determine if you should use RCA’s or level matching circuits.

IF YOUR VEHICLE NOT IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram without an amplifier.
INSTALLATION INSTRUCTIONS

STEP 1
- Unbox the aftermarket radio and locate its main harness.
- Connect the wires shown on the next page from aftermarket radio main harness to the GM5+ T-harness and match the wire functions.

STEP 2
- Connect the factory harness to the GM5+ T-harness.

STEP 3
- Access the OBDII connector located under the driver side dashboard.
- Connect the BROWN /RED wire of the GM5+ T-harness to the wire located at pin 6 of the OBDII connector. (See the vehicle wire chart reference for wire colors)
- Connect the BROWN /YELLOW wire of the GM5+ T-harness to the wire located at pin 14 of the OBDII connector. (See the vehicle wire chart reference for wire colors)

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.

STEP 5
- Connect all the harnesses to the Maestro RR module then proceed to module setup.

The module is now ready to be used.
Insert the aftermarket radio in the dashboard housing and test all the functionalities.
Reassemble the dashboard carefully.

AMPLIFIER ONLY
DETERMINE IF YOU SHOULD USE RCA'S OR LEVEL MATCHING CIRCUITS

- If your vehicle is equipped with a factory amplifier you can connect the RCA wiring to the low level outputs of your aftermarket radio, or connect the level matching circuits to the speaker outputs of the aftermarket radio.
- If your aftermarket radio does not have low level outputs, has only a single RCA output, or the RCA output level is 2 volts or less then it is recommended to connect the level matching circuit to the speaker outputs. If the volume does not go loud enough using the RCA connections, the level matching circuits can be used.
- The internal amplifier in some radios is not compatible with the level matching circuit. In these cases, there will be floor noise (hissing or buzzing at low levels) when the level matching circuit is connected. Change to the RCA connections to eliminate this noise.

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

CONNECT TO RADIO WITH LOW LEVEL OUTPUT:
- 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 (-)
- TAN - ACCESSORY (+)
- TAN/BLACK - ACCESSORY (-)
- BROWN/YELLOW - CANL
- 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 (-)
- TAN - ACCESSORY (+)
- TAN/BLACK - ACCESSORY (-)
- BROWN/YELLOW - CANL

CONNECT TO RADIO WITH HIGH LEVEL OUTPUT:
- 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 (-)
- TAN - ACCESSORY (+)
- TAN/BLACK - ACCESSORY (-)
- BROWN/YELLOW - CANL

NOTE: PIN SIDE VIEW. CONNECT TO TWISTED WIRES BEHIND CONNECTOR.
WIRING DIAGRAM without an Amplifier

**STEP 1**

- Cut and remove the speaker wire junction connectors.

- 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 (+)
  - ORANGE - ILLUMINATION (+)
  - PURPLE/WHITE - REVERSE LIGHT (+)
  - LTGREEN - E-BRAKE (-)
  - YELLOW/BLACK - FOOT BRAKE
  - YELLOW/BROWN - 12V (+)
  - BLACK - GROUND
  - RED - ACCESSORY (+)
  - BLUE/WHITE - AMP. TURN ON (+)
  - PURPLE - RR SPEAKER (+)

**STEP 2**

- Factory radio harness.

**STEP 3**

- Connect to twisted wires behind connector.

**STEP 4**

- Main harness.

**STEP 5**

- Connect to an aftermarket radio.

- Wire colors for 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 (+)
  - BLUE/WHITE - AMP. TURN ON (+)
  - PURPLE - RR SPEAKER (+)

- Note: Pin side view.

- Connect to twisted wires behind connector.

- See radio wire reference chart for radio wire colors.

- Cut and remove the speaker wire junction connectors.

- Brown/Red - CANH
- Brown/Yellow - CANL
- Tan/Black
- Brown/Yellow - CANL

- OBDII connector.

- OE harness.

- RCA cables.

- Connect to twisted wires behind connector.

- Data cable.

- Audio cable.

- Speaker.

- Maestro RR module.

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ADS-RR(SR)-GMS05-DS maestro.idatalink.com
# RADIO WIRE REFERENCE CHART

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<td>Pink</td>
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INSTALL GUIDE

CHEVROLET TAHOE
2007-2011

RETAINS STEERING WHEEL CONTROLS, ONSTAR, BLUETOOTH, XM SATELLITE AND MORE!

PRODUCTS REQUIRED
- iDatalink Maestro RR Radio Replacement Interface
- iDatalink Maestro GM5+ Installation Harness

OPTIONAL ACCESSORIES
- None

PROGRAMMED FIRMWARE
- ADS-RR(SR)-GMS05-DS

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**NEED HELP?**

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www.12voltdata.com/forum
BEFORE INSTALLING

**STEP 1**

**DETERMINE IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:**

**METHOD 1:** Look for the following logos in the vehicle. They are usually on the speaker covers or on the radio unit. If you find any of the following logos Bose, Pioneer or Monsoon, you have a factory amplifier.

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![Bose, Pioneer, Monsoon logos]

**STEP 2**

**IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:**

Follow the installation instructions and complete the installation as shown in the wiring diagram **with an amplifier** and read the "AMPLIFIER ONLY" note to determine if you should use rca’s or level matching circuits.

**IF YOUR VEHICLE NOT IS EQUIPPED WITH A FACTORY AMPLIFIER:**

Follow the installation instructions and complete the installation as shown in the wiring diagram **without an amplifier**.

**SERVICE PARTS IDENTIFICATION**

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<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
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<td>143.5 FXWHQO CK05753</td>
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<tr>
<td>AG1, AG2, AJ1, AL0, AM7, AN3, AU0, AU3, A3, A31, A30, B10, BU</td>
<td></td>
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<tr>
<td>B56, B61, B63, B93, C9, CB9, CH9, DN5, DL7, DL3, DT4, D07</td>
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<tr>
<td>EVA, E93, FF8, F98, G75, GB80, JCA, JC4, KNP, KUP, R34</td>
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<td>K47, K58, K98, M63, NCI, NEI, NFI, NPS, R30, Q80</td>
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<tr>
<td>R48, R57, SAF, SLB, SMT, TRB, UCE, UQG, UQA, U2K, UFI</td>
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<td>UF3, UG3, VR4, VTV, VXG, V73, X35, Y46, YE8, YE9</td>
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<tr>
<td>YS2, ZDC, ZY1, Z80, Z82, 1SS, 1SZ, 4IU, 8YT, 681, 692</td>
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<tr>
<td>B/DCC, U, 8555, 692</td>
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**SERVICE PARTS IDENTIFICATION**

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<th>Description</th>
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<td>2GCEK19N031344764</td>
<td>143.5 FXWHQO CK05753</td>
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<td>AG1, AG2, AJ1, AL0, AM7, AN3, AU0, AU3, A3, A31, A30, B10, BU</td>
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INSTALLATION INSTRUCTIONS

**STEP 1**
- Unbox the aftermarket radio and locate its main harness.
- Connect the wires shown on the next page from aftermarket radio main harness to the GM5+ T-harness and match the wire functions.

**STEP 2**
- Connect the factory harness to the GM5+ T-harness.

**STEP 3**
- Access the OBDII connector located under the driver side dashboard.
- Connect the BROWN /RED wire of the GM5+ T-harness to the wire located at pin 6 of the OBDII connector. (See the vehicle wire chart reference for wire colors)
- Connect the BROWN /YELLOW wire of the GM5+ T-harness to the wire located at pin 14 of the OBDII connector. (See the vehicle wire chart reference for wire colors)

**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.

**STEP 5**
- Connect all the harnesses to the Maestro RR module then proceed to module setup.

The module is now ready to be used.

Insert the aftermarket radio in the dashboard housing and test all the functionalities.
Reassemble the dashboard carefully.

**AMPLIFIER ONLY**

**DETERMINE IF YOU SHOULD USE RCA’S OR LEVEL MATCHING CIRCUITS**

- If your vehicle is equipped with a factory amplifier you can connect the RCA wiring to the low level outputs of your aftermarket radio, or connect the level matching circuits to the speaker outputs of the aftermarket radio.
- If your aftermarket radio does not have low level outputs, has only a single RCA output, or the RCA output level is 2 volts or less then it is recommended to connect the level matching circuit to the speaker outputs. If the volume does not go loud enough using the RCA connections, the level matching circuits can be used.
- The internal amplifier in some radios is not compatible with the level matching circuit. In these cases, there will be floor noise (hissing or buzzing at low levels) when the level matching circuit is connected. Change to the RCA connections to eliminate this noise.

**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**
CONNECT TO RADIO WITH LOW LEVEL OUTPUT:
- 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 (+)

**STEP 2**
FACTORY RADIO HARNESS

**STEP 3**
ORDII CONNECTOR
- BROWN/RED - CANH
- BROWN/YELLOW - CANL
- TAN/BLACK

**STEP 4**
CONNECT TO RADIO WITH HIGH LEVEL OUTPUT:
- 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 (-)
- YELLOW/BLACK - FOOT BRAKE
- BROWN (NOT CONNECTED)

**STEP 5**
CONNECT TO RADIO WITH LOW LEVEL OUTPUT:
- WHITE - LF SPEAKER (+)
- WHITE/BLACK - LF SPEAKER (-)

CONNECT TO RADIO WITH HIGH LEVEL OUTPUT:
- WHITE - LF SPEAKER (+)
- WHITE/BLACK - LF SPEAKER (-)

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

OR
CONNECT TO RADIO WITH LOW LEVEL OUTPUT:
- WHITE - LF SPEAKER (+)
- WHITE/BLACK - LF SPEAKER (-)

CONNECT TO RADIO WITH HIGH LEVEL OUTPUT:
- WHITE - LF SPEAKER (+)
- WHITE/BLACK - LF SPEAKER (-)

NOTE: PIN SIDE VIEW.
CONNECT TO TWISTED WIRES BEHIND CONNECTOR.
WIRING DIAGRAM without an Amplifier

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 (+)
YELLOW - 12V (+)
ORANGE - ILLUMINATION (+)
PURPLE/WHITE - REVERSE LIGHT (+)
PINK - VEHICLE SPEED
YELLOW - FOOT BRAKE
PINK - VEHICLE SPEED

STEP 2

FACTORY RADIO HARNESS

STEP 3

OBDII CONNECTOR

BROWN/RED - CANH
BROWN/YELLOW - CANL
TAN/BLACK
TAN/BLACK
TAN

STEP 4

MAIN HARNES

CONNECT TO AFTERMARKET RADIO

BACKUP CAM

BRA CABLES

STEP 5

WIRES FROM VEHICLE

DATA CABLE

AUDIO CABLE

SPEAKER

MAESTRO RR MODULE

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

GM506+ T-HARNESS

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

CHEVROLET TAHOE
WITH NAV 2012-2014

RETAINS STEERING WHEEL CONTROLS, ONSTAR, BLUETOOTH, XM SATELLITE AND MORE!

PRODUCTS REQUIRED
iDatalink Maestro RR Radio Replacement Interface
iDatalink Maestro GM2 Installation Harness

OPTIONAL ACCESSORIES
None

PROGRAMMED Firmware
ADS-RR(SR)-GMS05-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 4

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Wiring Diagram without an Amplifier 6

Radio Wire Reference Chart 7
BEFORE INSTALLING

**STEP 1**

DETERMINE IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

**METHOD 1:** Look for the following logos in the vehicle. They are usually on the speaker covers or on the radio unit. If you find any of the following logos Bose, Pioneer or Monsoon, you have a factory amplifier.

**METHOD 2:** Look for the following sticker in the glove box. This sticker will indicate all the Regular Production Option (RPO) codes. If you find any of the following codes UQA, UQS or UQG, you have a factory amplifier.

**STEP 2**

IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **with an amplifier** and read the “AMPLIFIER ONLY” note to determine if you should use RCA’s or level matching circuits.

IF YOUR VEHICLE NOT IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **without an amplifier**.
INSTALLATION INSTRUCTIONS

STEP 1
- Unbox the aftermarket radio and locate its main harness.
- Connect the wires shown on the next page from aftermarket radio main harness to the GM2 T-harness and match the wire functions.
- Remove the factory radio.

STEP 2
- Connect the GREEN male 2 pin connector of the backup camera cable to the GREEN female connector of the backup camera adapter. Connect GRAY connector of adapter to the vehicle backup camera harness.

STEP 3
- Connect the factory harness to the GM2 T-harness. Ensure that the RED 2 pin plugs are connected.

STEP 4
- Plug the OBDII connector into the OBDII of the vehicle, under driver dash.

STEP 5
- Plug the aftermarket radio harnesses into the aftermarket radio.
- Connect the backup camera RCA cable 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 6
- Connect all the harnesses to the Maestro RR module then 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 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 (+)
- YELLOW - 12V (+)
- ORANGE - ILLUMINATION (+)
- LTGREEN - E-BRAKE (-)
- PINK - VEHICLE SPEED
- PURPLE/WHITE - REVERSE LIGHT (+)
- YELLOW/BLACK - FOOT BRAKE
- BROWN (NOT CONNECTED)

**STEP 2**

- GREEN (NOT CONNECTED)

**STEP 3**

- RED (NOT CONNECTED)

**STEP 4**

- GREEN (NOT CONNECTED)

**STEP 5**

- MAIN HARNESS
- RCA CABLE

**STEP 6**

- SPEAKER
- DATA CABLE
- AUDIO CABLE
WIRING DIAGRAM without an Amplifier

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

**STEP 2**
Connect the backup camera harness.

**STEP 3**
Connect the factory radio harness.

**STEP 4**
Connect the OBDII connector.

**STEP 5**
Connect to the aftermarket radio.

**STEP 6**
Connect the backup camera.

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 (+)
- **BLUE/WHITE** - AMP. TURN ON (+)
- **RED** - ACCESSORY (+)
- **YELLOW** - 12V (+)
- **ORANGE** - ILLUMINATION (+)
- **PURPLE/WHITE** - REVERSE LIGHT (+)
- **LTGREEN** - E-BRAKE (-)
- **YELLOW/BLACK** - FOOT BRAKE
- **RED** - ACCESSORY (-)
- **BLACK** - GROUND
- **PURPLE** - RR speaker (+)
- **BROWN** - GROUND
- **ORANGE** - ILLUMINATION (-)
- **WHITE** - LF speaker (-)
- **RED** - ACCESSORY (-)
- **BLUE/WHITE** - AMP. TURN ON (-)
- **YELLOW** - 12V (-)
- **BROWN** - GROUND
- **ORANGE** - ILLUMINATION (-)
- **WHITE** - LF speaker (-)
- **RED** - ACCESSORY (-)

See radio wire reference chart for radio wire colors.

Connect back up cam RCA cable.

Connect data cable to audio cable.

Connect wires from vehicle to OBDII connector.

Connect speaker wires.

Connect factory radio harness.

Connect main harness.

Connect Maestro RR module.

Connect to aftermarket radio.
## RADIO WIRE REFERENCE CHART

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<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>
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<td>N/A</td>
<td>Pink</td>
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WITHOUT NAV 2012-2014

RETTAINS STEERING WHEEL CONTROLS, ONSTAR, BLUETOOTH, XM SATELLITE AND MORE!

PRODUCTS REQUIRED
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iDatalink Maestro GM5+ Installation Harness

OPTIONAL ACCESSORIES
None

PROGRAMMED Firmware
ADS-RR(SR)-GMS05-DS

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INSTALLATION INSTRUCTIONS

STEP 1
• Unbox the aftermarket radio and locate its main harness.
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STEP 2
• Connect the factory harness to the GM5+ T-harness.

STEP 3
• Access the OBDII connector located under the driver side dashboard.
• Connect the BROWN /RED wire of the GM5+ T-harness to the wire located at pin 6 of the OBDII connector. (See the vehicle wire chart reference for wire colors)
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STEP 4
• Plug the aftermarket radio harnesses into the aftermarket radio.
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• Insert the Audio cable into the iDatalink 3.5 mm audio jack of the aftermarket radio.

STEP 5
• Connect all the harnesses to the Maestro RR module then proceed to module setup.

The module is now ready to be used.
Insert the aftermarket radio in the dashboard housing and test all the functionalities.
Reassemble the dashboard carefully.

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WIRING DIAGRAM with an Amplifier

**STEP 1**
CONNECT TO RADIO WITH LOW LEVEL OUTPUT:
- 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 (-)

**STEP 2**
FACTORY RADIO HARNESS

**STEP 3**
ORDII CONNECTOR
- BROWN/RED - CANH
- BROWN/YELLOW - CANL
- TAN/BLACK

**STEP 4**
CONNECT TO AFTERMARKET RADIO
- MAIN HARNESS
- RCA CABLES

**STEP 5**
WIRING DIAGRAM with an Amplifier

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

**NOTE:**
- LF SPEAKER
- RF SPEAKER
- LR SPEAKER
- RR SPEAKER
- 12V (+)
- GROUND
- ACCESSORY (+)
- AMP. TURN ON (+)
- RR SPEAKER (+)
- REVERSE LIGHT (+)
- ILLUMINATION (+)
- VEHICLE SPEED
- FOOT BRAKE

**OR**
CONNECT TO RADIO WITH HIGH LEVEL OUTPUT:
- 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
- TAN - LF SPEAKER (+)
- TAN - RF SPEAKER (+)
- TAN - LR SPEAKER (+)
- TAN - RR SPEAKER (+)
- TAN - LF SPEAKER (-)
- TAN - RF SPEAKER (-)
- TAN - LR SPEAKER (-)
- TAN - RR SPEAKER (-)

- 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 (+)
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- PURPLE/WHITE - REVERSE LIGHT (+)
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- TAN - RF SPEAKER (+)
- TAN - LR SPEAKER (+)
- TAN - RR SPEAKER (+)
- TAN - LF SPEAKER (-)
- TAN - RF SPEAKER (-)
- TAN - LR SPEAKER (-)
- TAN - RR SPEAKER (-)

**OR**
CONNECT TO RADIO WITH LOW LEVEL OUTPUT:
- 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 (-)

**STEP 5**
WIRING DIAGRAM with an Amplifier

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

**NOTE:**
- LF SPEAKER
- RF SPEAKER
- LR SPEAKER
- RR SPEAKER
- 12V (+)
- GROUND
- ACCESSORY (+)
- AMP. TURN ON (+)
- RR SPEAKER (+)
- REVERSE LIGHT (+)
- ILLUMINATION (+)
- VEHICLE SPEED
- FOOT BRAKE

**OR**
CONNECT TO RADIO WITH HIGH LEVEL OUTPUT:
- 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
- TAN - LF SPEAKER (+)
- TAN - RF SPEAKER (+)
- TAN - LR SPEAKER (+)
- TAN - RR SPEAKER (+)
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- WHITE - LF SPEAKER (+)
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- TAN - LR SPEAKER (+)
- TAN - RR SPEAKER (+)
- TAN - LF SPEAKER (-)
- TAN - RF SPEAKER (-)
- TAN - LR SPEAKER (-)
- TAN - RR SPEAKER (-)
WIRING DIAGRAM without an Amplifier

STEP 1
CUT AND REMOVE THE SPEAKER WIRE JUNCTION Connectors

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 (+)
BROWN - CANH
BROWN/YELLOW - CANL

STEP 2
FACTORY RADIO HARNESS

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 (+)

STEP 3
OBDII CONNECTOR

BROWN/RED - CANH
BROWN/YELLOW - CANL
TAN/BLACK

STEP 4
MAESTRO RR MODULE

CONNECT TO AFTERMARKET RADIO

STEP 5
SPEAKER

CUT AND REMOVE THE SPEAKER WIRE JUNCTION Connectors

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

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</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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</table>
INSTALL GUIDE
CHEVROLET TRAVERSE
2009-2017
RETAINS STEERING WHEEL CONTROLS, ONSTAR, BLUETOOTH, XM SATELLITE AND MORE!

PRODUCTS REQUIRED
iDatalink Maestro RR Radio Replacement Interface
iDatalink Maestro GM5+ Installation Harness

OPTIONAL ACCESSORIES
None

PROGRAMMED Firmware
ADS-RR(SR)-GMS05-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.

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NEED HELP?

1 866 427-2999

support@idatalink.com

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

STEP 1

DETERMINE IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

METHOD 1: Look for the following logos in the vehicle. They are usually on the speaker covers or on the radio unit. If you find any of the following logos Bose, Pioneer or Monsoon, you have a factory amplifier.

METHOD 2: Look for the following sticker in the glove box. This sticker will indicate all the Regular Production Option (RPO) codes. If you find any of the following codes UQA, UQS or UQG, you have a factory amplifier.

STEP 2

IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram with an amplifier and read the "AMPLIFIER ONLY" note to determine if you should use rca’s or level matching circuits.

IF YOUR VEHICLE NOT IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram without an amplifier.
INSTALLATION INSTRUCTIONS

STEP 1
- Unbox the aftermarket radio and locate its main harness.
- Connect the wires shown on the next page from aftermarket radio main harness to the GM5+ T-harness and match the wire functions.

STEP 2
- Connect the factory harness to the GM5+ T-harness.

STEP 3
- Access the OBDII connector located under the driver side dashboard.
- Connect the BROWN /RED wire of the GM5+ T-harness to the wire located at pin 6 of the OBDII connector. (See the vehicle wire chart reference for wire colors)
- Connect the BROWN /YELLOW wire of the GM5+ T-harness to the wire located at pin 14 of the OBDII connector. (See the vehicle wire chart reference for wire colors)

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.

STEP 5
- Connect all the harnesses to the Maestro RR module then proceed to module setup.

The module is now ready to be used.
Insert the aftermarket radio in the dashboard housing and test all the functionalities.
Reassemble the dashboard carefully.

AMPLIFIER ONLY
DETERMINE IF YOU SHOULD USE RCA’S OR LEVEL MATCHING CIRCUITS
- If your vehicle is equipped with a factory amplifier you can connect the RCA wiring to the low level outputs of your aftermarket radio, or connect the level matching circuits to the speaker outputs of the aftermarket radio.
- If your aftermarket radio does not have low level outputs, has only a single RCA output, or the RCA output level is 2 volts or less then it is recommended to connect the level matching circuit to the speaker outputs. If the volume does not go loud enough using the RCA connections, the level matching circuits can be used.
- The internal amplifier in some radios is not compatible with the level matching circuit. In these cases, there will be floor noise (hissing or buzzing at low levels) when the level matching circuit is connected. Change to the RCA connections to eliminate this noise.

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**
CONNECT TO RADIO WITH LOW LEVEL OUTPUT:
- 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

**STEP 2**
FACTORY RADIO HARNESS

**STEP 3**
OBDDII CONNECTOR
- BROWN/RED - CANH
- BROWN/YELLOW - CANL
- TAN/BLACK

**STEP 4**
CONNECT TO AFTERMARKET RADIO

**STEP 5**
MAESTRO RR MODULE

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

BROWN/RED - CANH
BROWN/YELLOW - CANL

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 (+)
RED - ACCESSORY (+)
YELLOW - 12V (+)
ORANGE - ILLUMINATION (+)
PURPLE/WHITE - REVERSE LIGHT (+)
LT. GREEN - E-BRAKE (-)
YELLOW/BLACK - FOOT BRAKE
BLACK - GROUND
RED - ACCESSORY (-)
ORANGE - ILLUMINATION (-)
GRAY - LOW LIGHT (-)
GRAY/BLACK - LOW LIGHT (-)
BLACK - GROUND
GREEN - HIGH LIGHT (-)
GREEN/BLACK - HIGH LIGHT (-)
PURPLE - REVERSE LIGHT (-)
PURPLE/BLACK - REVERSE LIGHT (-)
YELLOW/BLACK - E-BRAKE (-)
BROWN (NOT CONNECTED)

WHITE - LF SPEAKER (+)
WHITE/BLACK - LF SPEAKER (+)
GRAY - RF SPEAKER (+)
GRAY/BLACK - RF SPEAKER (+)
GREEN - LR SPEAKER (+)
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BLACK - GROUND
GREEN - HIGH LIGHT (-)
GREEN/BLACK - HIGH LIGHT (-)
PURPLE - REVERSE LIGHT (-)
PURPLE/BLACK - REVERSE LIGHT (-)
YELLOW/BLACK - E-BRAKE (-)
BROWN (NOT CONNECTED)
WIRING DIAGRAM without an Amplifier

**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 (-)
- YELLOW/BLACK - FOOT BRAKE
- BROWN (NOT CONNECTED)

**STEP 2**

FACTORY RADIO HARNESS

**STEP 3**

- BROWN/RED - CANH
- BROWN/YELLOW - CANL
- TAN/BLACK

**STEP 4**

MAIN HARNESS

CONNECT TO AFTERMARKET RADIO

BACKUP CAM

BRA CABLES

MAIN CABLE

STEP 5

SPEAKER

MAESTRO RR MODULE

STEP 4

SEE RADIO WIRE REFERENCE CHART FOR RADIO WIRE COLORS

STEP 4

CONNECT TO TWISTED WIRES BEHIND CONNECTOR.

NOTE: PIN SIDE VIEW.

**STEP 4**

CONNECT TO TWISTED WIRES BEHIND CONNECTOR.

NOTE: PIN SIDE VIEW.

**STEP 5**

CUT AND REMOVE THE SPEAKER WIRE JUNCTION CONNECTORS

- BROWN/RED - CANH
- BROWN/YELLOW - CANL
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<td>Pink</td>
<td>Green/White</td>
<td>N/A</td>
<td>Pink</td>
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OPTIONAL ACCESSORIES
None

PROGRAMMED FIRMWARE
ADS-RR(SR)-GMS05-DS

PRODUCTS REQUIRED
iDatalink Maestro RR Radio Replacement Interface
iDatalink Maestro GM5+ Installation Harness

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STEP 2

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STEP 2
- Connect the factory harness to the GM5+ T-harness.

STEP 3
- Access the OBDII connector located under the driver side dashboard.
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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.

STEP 5
- Connect all the harnesses to the Maestro RR module then proceed to module setup.

The module is now ready to be used.
Insert the aftermarket radio in the dashboard housing and test all the functionalities.
Reassemble the dashboard carefully.

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WIRING DIAGRAM with an Amplifier

**STEP 1**
CONNECT TO RADIO WITH LOW LEVEL OUTPUT:
- 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 (-)

**STEP 2**
FACTORY RADIO HARNESS

**STEP 3**
ORDI CONNECTOR
- BROWN/RED - CANH
- BROWN/YELLOW - CANL
- TAN/BLACK
- TAN

**STEP 4**
CONNECT TO AFTERMARKET RADIO
MAESTRO RR MODULE

**STEP 5**
CONNECT TO RADIO WITH HIGH LEVEL OUTPUT:
- BROWN (NOT CONNECTED)
- ORANGE - ILLUMINATION (+)
- ORANGE/WHITE - REVERSE LIGHT (+)
- LTGREEN - E-BRAKE (-)
- YELLOW/BLACK - FOOT BRAKE
- BROWN (NOT CONNECTED)

NOTE: PIN SIDE VIEW.
CONNECT TO TWISTED WIRES BEHIND CONNECTOR.
WIRING DIAGRAM without an Amplifier

**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.

**NOTE:** Pin side view. Connect to twisted wires behind connector.
## RADIO WIRE REFERENCE CHART

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INSTALL GUIDE

GMC SAVANA WITH NAV 2013-2017

RETAINS STEERING WHEEL CONTROLS, ONSTAR, BLUETOOTH, XM SATELLITE AND MORE!

PRODUCTS REQUIRED

- iDatalink Maestro RR Radio Replacement Interface
- iDatalink Maestro GM2 Installation Harness

OPTIONAL ACCESSORIES

None

PROGRAMMED FIRMWARE

ADS-RR(SR)-GMS05-DS

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</tr>
</tbody>
</table>
BEFORE INSTALLING

STEP 1

DETERMINE IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

METHOD 1: Look for the following logos in the vehicle. They are usually on the speaker covers or on the radio unit. If you find any of the following logos Bose, Pioneer or Monsoon, you have a factory amplifier.

METHOD 2: Look for the following sticker in the glove box. This sticker will indicate all the Regular Production Option (RPO) codes. If you find any of the following codes UQA, UQS or UQG, you have a factory amplifier.

STEP 2

IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram with an amplifier and read the “AMPLIFIER ONLY” note to determine if you should use RCA’s or level matching circuits.

IF YOUR VEHICLE NOT IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram without an amplifier.
INSTALLATION INSTRUCTIONS

STEP 1
• Unbox the aftermarket radio and locate its main harness.
• Connect the wires shown on the next page from aftermarket radio main harness to the GM2 T-harness and match the wire functions.
• Remove the factory radio.

STEP 2
• Connect the GREEN male 2 pin connector of the backup camera cable to the GREEN female connector of the backup camera adapter. Connect GRAY connector of adapter to the vehicle backup camera harness.

STEP 3
• Connect the factory harness to the GM2 T-harness. Ensure that the RED 2 pin plugs are connected.

STEP 4
• Plug the OBDII connector into the OBDII of the vehicle, under driver dash.

STEP 5
• Plug the aftermarket radio harnesses into the aftermarket radio.
• Connect the backup camera RCA cable 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 6
• Connect all the harnesses to the Maestro RR module then 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 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 (+)
- YELLOW - 12V (+)
- ORANGE - ILLUMINATION (+)
- LT.GREEN - E-BRAKE (-)
- PINK - VEHICLE SPEED
- YELLOW/BLACK - FOOT BRAKE
- BROWN (NOT CONNECTED)

STEP 2
- BACKUP CAMERA HARNESS
  - GREEN (CONNECT TO AFTERMARKET RADIO)

STEP 3
- FACTORY RADIO HARNESS
  - RED

STEP 4
- OBDII CONNECTOR
  - GREEN (NOT CONNECTED)

STEP 5
- MAIN HARNESS
- RCA CABLE

STEP 6
- AUDIO CABLE
- SPEAKER
- MAESTRO RR MODULE

See radio wire reference chart for radio wire colors.
WIRING DIAGRAM without an Amplifier

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

STEP 2
GREEN GREEN
BACKUP CAMERA HARNESS

STEP 3
FACTORY RADIO HARNESS

STEP 4
OBII CONNECTOR

STEP 5
CONNECT TO AFTERMARKET RADIO

STEP 6
SPEAKER

GM2 T-HARNESS
CONNECT TO AFTERMARKET RADIO
DATA CABLE AUDIO CABLE
RCA CABLE
BACKUP CAM
FACTORY RADIO HARNESS
BACKUP CAMERA HARNESS
WIRES FROM VEHICLE

GM3 HARNESS
WIRING DIAGRAM without an Amplifier

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

STEP 2
GREEN GREEN
BACKUP CAMERA HARNESS

STEP 3
FACTORY RADIO HARNESS

STEP 4
OBII CONNECTOR

STEP 5
CONNECT TO AFTERMARKET RADIO

STEP 6
SPEAKER

GM2 T-HARNESS
CONNECT TO AFTERMARKET RADIO
DATA CABLE AUDIO CABLE
RCA CABLE
BACKUP CAM
FACTORY RADIO HARNESS
BACKUP CAMERA HARNESS
WIRES FROM VEHICLE

GM3 HARNESS
# 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

GMC SAVANA
WITHOUT NAV 2008-2017

RETAILS STEERING WHEEL CONTROLS, ONSTAR, BLUETOOTH, XM SATELLITE AND MORE!

PRODUCTS REQUIRED
iDatalink Maestro RR Radio Replacement Interface
iDatalink Maestro GM5+ Installation Harness

OPTIONAL ACCESSORIES
None

PROGRAMMED Firmware
ADS-RR(SR)-GMS05-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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Radio Wire Reference Chart 7
BEFORE INSTALLING

**STEP 1**

**DETERMINE IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:**

**METHOD 1:** Look for the following logos in the vehicle. They are usually on the speaker covers or on the radio unit. If you find any of the following logos Bose, Pioneer or Monsoon, you have a factory amplifier.

**METHOD 2:** Look for the following sticker in the glove box. This sticker will indicate all the Regular Production Option (RPO) codes. If you find any of the following codes UQA, UQS or UQG, you have a factory amplifier.

**STEP 2**

**IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:**

Follow the installation instructions and complete the installation as shown in the wiring diagram with an amplifier and read the “AMPLIFIER ONLY” note to determine if you should use rca’s or level matching circuits.

**IF YOUR VEHICLE NOT IS EQUIPPED WITH A FACTORY AMPLIFIER:**

Follow the installation instructions and complete the installation as shown in the wiring diagram without an amplifier.
INSTALLATION INSTRUCTIONS

STEP 1
- Unbox the aftermarket radio and locate its main harness.
- Connect the wires shown on the next page from aftermarket radio main harness to the GM5+ T-harness and match the wire functions.

STEP 2
- Connect the factory harness to the GM5+ T-harness.

STEP 3
- Access the OBDII connector located under the driver side dashboard.
- Connect the BROWN /RED wire of the GM5+ T-harness to the wire located at pin 6 of the OBDII connector. (See the vehicle wire chart reference for wire colors)
- Connect the BROWN /YELLOW wire of the GM5+ T-harness to the wire located at pin 14 of the OBDII connector. (See the vehicle wire chart reference for wire colors)

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.

STEP 5
- Connect all the harnesses to the Maestro RR module then proceed to module setup.

The module is now ready to be used.
Insert the aftermarket radio in the dashboard housing and test all the functionalities.
Reassemble the dashboard carefully.

AMPLIFIER ONLY
DETERMINE IF YOU SHOULD USE RCA’S OR LEVEL MATCHING CIRCUITS

- If your vehicle is equipped with a factory amplifier you can connect the RCA wiring to the low level outputs of your aftermarket radio, or connect the level matching circuits to the speaker outputs of the aftermarket radio.
- If your aftermarket radio does not have low level outputs, has only a single RCA output, or the RCA output level is 2 volts or less then it is recommended to connect the level matching circuit to the speaker outputs. If the volume does not go loud enough using the RCA connections, the level matching circuits can be used.
- The internal amplifier in some radios is not compatible with the level matching circuit. In these cases, there will be floor noise [hissing or buzzing at low levels] when the level matching circuit is connected. Change to the RCA connections to eliminate this noise.

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
CONNECT TO RADIO WITH LOW LEVEL OUTPUT:
- WHITE - LF SPEAKER (+)
- WHITE/BLACK - RF SPEAKER
- GRAY - RF SPEAKER (-)
- GRAY/BLACK - LF SPEAKER (-)
- GREEN - LR SPEAKER (+)
- GREEN/BLACK - LR SPEAKER (-)
- PURPLE - RR SPEAKER (+)
- PURPLE/BLACK - RR SPEAKER (-)
- TAN/BLACK - TAN/BLACK
- TAN - TAN
- GREEN - GREEN
- GREEN/BLACK - GREEN/BLACK
- PURPLE/BLACK - PURPLE/BLACK

CONNECT TO RADIO WITH HIGH LEVEL OUTPUT:
- 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 (-)
- RED - ACCESSORY (+)
- YELLOW - 12V (+)
- ORANGE - ILLUMINATION (+)
- PURPLE/WHITE - REVERSE LIGHT (+)
- LT GREEN - E-BRAKE (-)
- YELLOW/BLACK - FOOT BRAKE
- BROWN (NOT CONNECTED)

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

STEP 2
FACTORY RADIO HARNESS
CONNECT TO AFTERMARKET RADIO
WRC CABLES
RCA CABLES
WIRES FROM VEHICLE

STEP 3
OBDII CONNECTOR
BROWN/RED - CANH
BROWN/YELLOW - CANL
TAN/BLACK
TAN

NOTE: CONNECT TO TWISTED WIRES BEHIND CONNECTOR.

STEP 4
CONNECT TO TWISTED WIRES BEHIND CONNECTOR.

STEP 5
MAESTRO RR MODULE
SPEAKER
A B C D E F G H

CONNECT TO RADIO WITH LOW LEVEL OUTPUT:
- WHITE - LF SPEAKER (+)
- WHITE/BLACK - RF SPEAKER
- GRAY - RF SPEAKER (-)
- GRAY/BLACK - LF SPEAKER (-)
- GREEN - LR SPEAKER (+)
- GREEN/BLACK - LR SPEAKER (-)
- PURPLE - RR SPEAKER (+)
- PURPLE/BLACK - RR SPEAKER (-)
- TAN/BLACK - TAN/BLACK
- TAN - TAN
- GREEN - GREEN
- GREEN/BLACK - GREEN/BLACK
- PURPLE/BLACK - PURPLE/BLACK

CONNECT TO RADIO WITH HIGH LEVEL OUTPUT:
- 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 (-)
- RED - ACCESSORY (+)
- YELLOW - 12V (+)
- ORANGE - ILLUMINATION (+)
- PURPLE/WHITE - REVERSE LIGHT (+)
- LT GREEN - E-BRAKE (-)
- YELLOW/BLACK - FOOT BRAKE
- BROWN (NOT CONNECTED)

NOTE: PIN SIDE VIEW.
CONNECT TO TWISTED WIRES BEHIND CONNECTOR.
WIRING DIAGRAM without an Amplifier

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 (-)
- Yellow/Black - Foot brake
- Brown (not connected)

STEP 2

- Factory radio harness

- Brown (not connected)
- Orange - Illumination (+)
- Purple/White - Reverse light (+)
- LtGreen - E-brake (-)
- Yellow/Black - Foot brake
- Brown (not connected)

STEP 3

- OBDII connector

- Brown/Red - CANH
- Brown/Yellow - CANL
- Tan/Black

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

STEP 4

- Connect to Maestro RR module

- Backup cam cables

- RCA cables

- Main harness

STEP 5

- Wires from vehicle

- Data cable

- Audio cable

- Speaker

- Maestro RR module

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

Connect to aftermarket radio.

See radio wire reference chart for radio wire colors.

Cut and remove the speaker wire junction connectors.
# RADIO WIRE REFERENCE CHART

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<td>Reverse Light</td>
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<tr>
<td>E-Brake</td>
<td>(-)</td>
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</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

GMC SIERRA 1500
2007-2011

RETAINS STEERING WHEEL CONTROLS, ONSTAR, BLUETOOTH, XM 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 GM5+ Installation Harness

OPTIONAL ACCESSORIES
None

PROGRAMMED Firmware
ADS-RR(SR)-GMS05-DS
WELCOME

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

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

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

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maestro.idatalink.com/support

www.12voltdata.com/forum
BEFORE INSTALLING

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STEP 2

IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

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INSTALLATION INSTRUCTIONS

STEP 1
• Unbox the aftermarket radio and locate its main harness.
• Connect the wires shown on the next page from aftermarket radio main harness to the GM5+ T-harness and match the wire functions.

STEP 2
• Connect the factory harness to the GM5+ T-harness.

STEP 3
• Access the OBDII connector located under the driver side dashboard.
• Connect the BROWN/RED wire of the GM5+ T-harness to the wire located at pin 6 of the OBDII connector. (See the vehicle wire chart reference for wire colors)
• Connect the BROWN/YELLOW wire of the GM5+ T-harness to the wire located at pin 14 of the OBDII connector. (See the vehicle wire chart reference for wire colors)

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.

STEP 5
• Connect all the harnesses to the Maestro RR module then proceed to module setup.

The module is now ready to be used.
Insert the aftermarket radio in the dashboard housing and test all the functionalities.
Reassemble the dashboard carefully.

AMPLIFIER ONLY
DETERMINE IF YOU SHOULD USE RCA’S OR LEVEL MATCHING CIRCUITS

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WIRING DIAGRAM with an Amplifier

STEP 1
CONNECT TO RADIO WITH LOW LEVEL OUTPUT:
- 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 (-)

CONNECT TO RADIO WITH HIGH LEVEL OUTPUT:
- 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
- BROWN (NOT CONNECTED)

STEP 2
FACTORY RADIO HARNESS

STEP 3
ORBII CONNECTOR
- BROWN/RED - CANH
- BROWN/YELLOW - CANL
- TAN/BLACK
- TAN

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

STEP 4
CONNECT TO AFTERMARKET RADIO

STEP 5
CONNECT TO RADIO WITH LOW LEVEL OUTPUT:
- 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 (+)
- PURPLE/WHITE - REVERSE LIGHT (+)
- BTWHT/BLK - SPEAKER (+)
- BTWHT/BLK - SPEAKER (-)

CONNECT TO RADIO WITH HIGH LEVEL OUTPUT:
- 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
- BROWN (NOT CONNECTED)

OR
CONNECT TO RADIO WITH HIGH LEVEL OUTPUT:
- BLACK - GROUND
- RED - ACCESSORY (+)
- BLUE/WHITE - AMP TURN ON (+)
- PURPLE/WHITE - REVERSE LIGHT (+)
- BTWHT/BLK - SPEAKER (+)
- BTWHT/BLK - SPEAKER (-)

OR
CONNECT TO RADIO WITH LOW LEVEL OUTPUT:
- 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 (+)
- PURPLE/WHITE - REVERSE LIGHT (+)
- BTWHT/BLK - SPEAKER (+)
- BTWHT/BLK - SPEAKER (-)
WIRING DIAGRAM without an Amplifier

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

- **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 (-)
- **Black** - Ground
- **Red** - Accessory (+)
- **Yellow** - 12V (+)
- **Orange** - Illumination (+)
- **Purple/White** - Reverse Light (+)
- **Lugreen** - E-Brake (-)
- **Yellow/Black** - Foot Brake
- **Yellow/Black** - 12V (-)
- **Green/Black** - 12V (-)
- **Green** - 12V (-)
- **Yellow** - 12V (-)
- **Purple** - 12V (-)
- **Red** - 12V (-)
- **Blue/White** - AMP. Turn On (+)

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

**STEP 2**
Factory radio harness.

**STEP 3**
GM560+ T-Harness

**STEP 4**
Main harness.

**STEP 5**
Connect to aftermarket radio.

**STEP 6**
Backup cam.

Connect to twisted wires behind connector.

Wiring diagram without an Amplifier.
## 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>
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<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>
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<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
GMC SIERRA 1500
WITH NAV 2012-2013

RETAILS STEERING WHEEL CONTROLS, ONSTAR, BLUETOOTH, XM 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.

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NEED HELP?

1 866 427-2999

support@idatalink.com

maestro.idatalink.com/support

www.12voltdata.com/forum
BEFORE INSTALLING

STEP 1

DETERMINE IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

METHOD 1: Look for the following logos in the vehicle. They are usually on the speaker covers or on the radio unit. If you find any of the following logos Bose, Pioneer or Monsoon, you have a factory amplifier.

METHOD 2: Look for the following sticker in the glove box. This sticker will indicate all the Regular Production Option (RPO) codes. If you find any of the following codes UQA, UQS or UQG, you have a factory amplifier.

STEP 2

IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram with an amplifier and read the “AMPLIFIER ONLY” note to determine if you should use RCA’s or level matching circuits.

IF YOUR VEHICLE NOT IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram without an amplifier.
INSTALLATION INSTRUCTIONS

STEP 1
• Unbox the aftermarket radio and locate its main harness.
• Connect the wires shown on the next page from aftermarket radio main harness to the GM2 T-harness and match the wire functions.
• Remove the factory radio.

STEP 2
• Connect the GREEN male 2 pin connector of the backup camera cable to the GREEN female connector of the backup camera adapter. Connect GRAY connector of adapter to the vehicle backup camera harness.

STEP 3
• Connect the factory harness to the GM2 T-harness. Ensure that the RED 2 pin plugs are connected.

STEP 4
• Plug the OBDII connector into the OBDII of the vehicle, under driver dash.

STEP 5
• Plug the aftermarket radio harnesses into the aftermarket radio.
• Connect the backup camera RCA cable 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 6
• Connect all the harnesses to the Maestro RR module then 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
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 (-)
YELLOW/BLACK - FOOT BRAKE
BROWN (NOT CONNECTED)

STEP 2
GREEN
GREEN
BACKUP CAMERA HARNESS

GREEN
GREEN
FACTORY RADIO HARNESS

RED
RED
OBDII CONNECTOR

STEP 3
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 (-)
YELLOW/BLACK - FOOT BRAKE
BROWN (NOT CONNECTED)

STEP 4
GREEN
NOT CONNECTED

STEP 5
CONNECT TO AFTERMARKET RADIO

MAESTRO RR MODULE

STEP 6
CONNECTIONS TO AFTERMARKET RADIO

WIRING REFERENCE CHART

AUDIO CABLE

SPEAKER

FACTORY RADIO HARNESS

BACKUP CAMERA HARNESS

OBDII CONNECTOR

BRIDGE CABLE
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<td>Lt Green</td>
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<td>Lt Green</td>
<td>Lt Green</td>
</tr>
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<td>Yellow/Black</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
</tbody>
</table>
| VSS [vehicle speed sensor] [DATA] | Pink | Green/White                    | N/A                         | Pink                       |}

GMC SIERRA 1500 WITH NAV 2012-2013

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ADS-RR(SR)-GMS05-DS
maestro.idatalink.com
7
INSTALL GUIDE

GMC SIERRA 1500
WITHOUT NAV 2012-2014

RETAILS STEERING WHEEL CONTROLS, ONSTAR, BLUETOOTH, XM SATELLITE AND MORE!

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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.

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**STEP 1**
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**METHOD 1:** Look for the following logos in the vehicle. They are usually on the speaker covers or on the radio unit. If you find any of the following logos Bose, Pioneer or Monsoon, you have a factory amplifier.

**METHOD 2:** Look for the following sticker in the glove box. This sticker will indicate all the Regular Production Option (RPO) codes. If you find any of the following codes UQA, UQS or UQG, you have a factory amplifier.

**STEP 2**
IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:
Follow the installation instructions and complete the installation as shown in the wiring diagram with an amplifier and read the “AMPLIFIER ONLY” note to determine if you should use RCA’s or level matching circuits.

IF YOUR VEHICLE NOT IS EQUIPPED WITH A FACTORY AMPLIFIER:
Follow the installation instructions and complete the installation as shown in the wiring diagram without an amplifier.
INSTALLATION INSTRUCTIONS

STEP 1
- Unbox the aftermarket radio and locate its main harness.
- Connect the wires shown on the next page from aftermarket radio main harness to the GM5+ T-harness and match the wire functions.

STEP 2
- Connect the factory harness to the GM5+ T-harness.

STEP 3
- Access the OBDII connector located under the driver side dashboard.
- Connect the BROWN /RED wire of the GM5+ T-harness to the wire located at pin 6 of the OBDII connector. (See the vehicle wire chart reference for wire colors)
- Connect the BROWN /YELLOW wire of the GM5+ T-harness to the wire located at pin 14 of the OBDII connector. (See the vehicle wire chart reference for wire colors)

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.

STEP 5
- Connect all the harnesses to the Maestro RR module then proceed to module setup.

The module is now ready to be used.
Insert the aftermarket radio in the dashboard housing and test all the functionalities.
Reassemble the dashboard carefully.

AMPLIFIER ONLY
DETERMINE IF YOU SHOULD USE RCA’S OR LEVEL MATCHING CIRCUITS
- If your vehicle is equipped with a factory amplifier you can connect the RCA wiring to the low level outputs of your aftermarket radio, or connect the level matching circuits to the speaker outputs of the aftermarket radio.
- If your aftermarket radio does not have low level outputs, has only a single RCA output, or the RCA output level is 2 volts or less then it is recommended to connect the level matching circuit to the speaker outputs. If the volume does not go loud enough using the RCA connections, the level matching circuits can be used.
- The internal amplifier in some radios is not compatible with the level matching circuit. In these cases, there will be floor noise (hissing or buzzing at low levels) when the level matching circuit is connected. Change to the RCA connections to eliminate this noise.

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**
CONNECT TO RADIO WITH LOW LEVEL OUTPUT:
- 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 (-)
- TAN - GROUND
- BLACK - GROUND
- RED - ACCESSORY (+)
- BROWN - 12V (+)
- LIGHT BLUE - ILLUMINATION (+)
- ORANGE - E-BRAKE (-)
- LT GREEN - FOOT BRAKE
- YELLOW - 12V (-)
- PURPLE/WHITE - REVERSE LIGHT (+)

**STEP 2**
FACTORY RADIO HARNESS

**STEP 3**
ORDII CONNECTOR
- BROWN/RED - CANH
- BROWN/YELLOW - CANL
- TAN/BLACK
- TAN

**STEP 4**
CONNECT TO AFTERMARKET RADIO

**STEP 5**
SPEAKER

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

**NOTE:**
- 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 (-)
- TAN - GROUND
- BLACK - GROUND
- RED - ACCESSORY (+)
- BROWN - 12V (+)
- LIGHT BLUE - ILLUMINATION (+)
- ORANGE - E-BRAKE (-)
- LT GREEN - FOOT BRAKE
- YELLOW - 12V (-)
- PURPLE/WHITE - REVERSE LIGHT (+)

**CONNECT TO TWISTED WIRES BEHIND CONNECTOR:**
- CENTER
- SUB
- BACKUP CAM

**GMS05+ T-HARNESS**
- FACTORY RADIO HARNESS
- CONNECT TO AFTERMARKET RADIO
- AUDIO CABLE
- WIRES FROM VEHICLE
- RCA CABLES

**GMS05+ T-HARNESS**
- AUDIO CABLE
- WIRES FROM VEHICLE
- RCA CABLES

**NOTE:**
- See radio wire reference chart for radio wire colors.

**CONNECT TO TWISTED WIRES BEHIND CONNECTOR:**
- CENTER
- SUB
- BACKUP CAM

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

**OR**
CONNECT TO RADIO WITH HIGH LEVEL OUTPUT:
- 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 (+)
- RED - ACCESSORY (+)
- YELLOW - 12V (+)
- ORANGE - ILLUMINATION (+)
- PURPLE/WHITE - REVERSE LIGHT (+)
- LT GREEN - E-BRAKE (-)
- PINK - VEHICLE SPEED
- BLACK - GROUND
- RED - ACCESSORY (+)
- BLUE/WHITE - AMP TURN ON (+)
- PURPLE - RR SPEAKER (+)
- ORANGE - ILLUMINATION (+)
- BROWN (NOT CONNECTED)

**OR**
CONNECT TO RADIO WITH LOW LEVEL OUTPUT:
- 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 (-)
- TAN - GROUND
- BLACK - GROUND
- RED - ACCESSORY (+)
- BROWN - 12V (+)
- LIGHT BLUE - ILLUMINATION (+)
- ORANGE - E-BRAKE (-)
- LT GREEN - FOOT BRAKE
- YELLOW - 12V (-)
- PURPLE/WHITE - REVERSE LIGHT (+)

**OR**
CONNECT TO RADIO WITH HIGH LEVEL OUTPUT:
- 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 (+)
- RED - ACCESSORY (+)
- YELLOW - 12V (+)
- ORANGE - ILLUMINATION (+)
- PURPLE/WHITE - REVERSE LIGHT (+)
- LT GREEN - E-BRAKE (-)
- PINK - VEHICLE SPEED
- BLACK - GROUND
- RED - ACCESSORY (+)
- BLUE/WHITE - AMP TURN ON (+)
- PURPLE - RR SPEAKER (+)
- ORANGE - ILLUMINATION (+)
- BROWN (NOT CONNECTED)
WIRING DIAGRAM without an Amplifier

**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 (+)
- PINK - VEHICLE SPEED
- YELLO/BLACK - FOOT BRAKE
- BROWN (NOT CONNECTED)

**STEP 2**

FACTORY RADIO HARNESS

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20

**STEP 3**

OBDII CONNECTOR

- BROWN/RED - CANH
- BROWN/YELLOW - CANL
- TAN/BLACK
- TAN

**STEP 4**

CONNECT TO AFTERMARKET RADIO

- RCA CABLES
- DATA CABLE
- AUDIO CABLE
- WIRE FROM VEHICLE

**STEP 5**

MAESTRO RR MODULE

- MAESTRO RR T-HARNESS

- SPEAKER

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

CUT AND REMOVE THE SPEAKER WIRE JUNCTION CONNECTORS.

- BROWN/RED - CANH
- BROWN/YELLOW - CANL

STEP 4

- MAIN HARNESS
- RCA CABLES
- SPEAKER
- DATA CABLE
- AUDIO CABLE
- WIRE FROM VEHICLE

NOTE: PIN SIDE VIEW. CONNECT TO TWISTED WIRES BEHIND CONNECTOR.
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<td>Yellow/Black</td>
<td>N/A</td>
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<td>VSS [vehicle speed sensor]</td>
<td>[DATA]</td>
<td>Pink</td>
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INSTALL GUIDE
GMC SIERRA 2500 & 3500
2007-2011
RETAINS STEERING WHEEL CONTROLS, ONSTAR, BLUETOOTH, XM SATELLITE AND MORE!

PRODUCTS REQUIRED
iDatalink Maestro RR Radio Replacement Interface
iDatalink Maestro GM5+ Installation Harness

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- Unbox the aftermarket radio and locate its main harness.
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STEP 2
- Connect the factory harness to the GM5+ T-harness.

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- Access the OBDII connector located under the driver side dashboard.
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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.

STEP 5
- Connect all the harnesses to the Maestro RR module then proceed to module setup.

The module is now ready to be used.
Insert the aftermarket radio in the dashboard housing and test all the functionalities.
Reassemble the dashboard carefully.

AMPLIFIER ONLY

DETERMINE IF YOU SHOULD USE RCA’S OR LEVEL MATCHING CIRCUITS

- If your vehicle is equipped with a factory amplifier you can connect the RCA wiring to the low level outputs of your aftermarket radio, or connect the level matching circuits to the speaker outputs of the aftermarket radio.
- If your aftermarket radio does not have low level outputs, has only a single RCA output, or the RCA output level is 2 volts or less then it is recommended to connect the level matching circuit to the speaker outputs. If the volume does not go loud enough using the RCA connections, the level matching circuits can be used.
- The internal amplifier in some radios is not compatible with the level matching circuit. In these cases, there will be floor noise (hissing or buzzing at low levels) when the level matching circuit is connected. Change to the RCA connections to eliminate this noise.

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**
Connect to Radio with low level output:
- Brown/Red: CANH
- Brown/Yellow: CANL
- TAN/Black
- TAN
- White, White/Black, Gray, Gray/Black, Green, Green/Black, Purple, Purple/Black

**STEP 2**
Factory Radio Harness

**STEP 3**
OBDII Connector

**STEP 4**
Connect to Aftermarket Radio

**STEP 5**
Connect to Twisted Wires behind Connector.

NOTE: Pin side view. Connect to twisted wires behind connector.
**WIRING DIAGRAM without an Amplifier**

**STEP 1**
- Cut and remove the speaker wire junction connectors.
- Connect to the factory radio harness.
- Connect to the aftermarket radio via the Maestro RR module.

**STEP 2**
- Factory radio harness.
- Wires from vehicle.
- Connect to twisted wires behind connector.

**STEP 3**
- OBDII connector.
- See radio wire reference chart for radio wire colors.

**STEP 4**
- Main harness.
- Connect to the Maestro RR module.
- Backup camera.

**STEP 5**
- Connect to the vehicle speed sensor.
- Connect to the vehicle's auxiliary power source.

**WIRING DIAGRAM**

**WIRING DIAGRAM**

**VEHICLE WIRING**

**MAESTRO RR MODULE**

**BACKUP CAMERA**

**FACTORY RADIO HARNESS**

**OBDII CONNECTOR**

**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 (+)
**LT. GREEN** - E-BRAKE (-)
**YELLOW/BLACK** - FOOT BRAKE
**BROWN** (NOT CONNECTED)

**STEP 2**

**CENTER**
**SUB**

**STEP 3**

**BROWN/RED** - CANH
**BROWN/YELLOW** - CANL
**TAN/BLACK**

**STEP 4**

**CONNECT TO AFTERMARKET RADIO**

**STEP 5**

**MAESTRO RR MODULE**
# RADIO WIRE REFERENCE CHART

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<tr>
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<tr>
<td>Foot Brake (+)</td>
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<td>Yellow/Black</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
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<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>
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INSTALL GUIDE
GMC SIERRA 2500 & 3500
WITHOUT NAV 2012-2014

RETAINS STEERING WHEEL CONTROLS, ONSTAR, BLUETOOTH, XM SATELLITE AND MORE!

PRODUCTS REQUIRED
iDatalink Maestro RR Radio Replacement Interface
iDatalink Maestro GM5+ Installation Harness

OPTIONAL ACCESSORIES
None

PROGRAMMED Firmware
ADS-RR(SR)-GMS05-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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BEFORE INSTALLING

STEP 1

DETERMINE IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

METHOD 1: Look for the following logos in the vehicle. They are usually on the speaker covers or on the radio unit. If you find any of the following logos Bose, Pioneer or Monsoon, you have a factory amplifier.

METHOD 2: Look for the following sticker in the glove box. This sticker will indicate all the Regular Production Option (RPO) codes. If you find any of the following codes UQA, UQS or UQG, you have a factory amplifier.

STEP 2

IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram with an amplifier and read the “AMPLIFIER ONLY” note to determine if you should use rca’s or level matching circuits.

IF YOUR VEHICLE NOT IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram without an amplifier.
INSTALLATION INSTRUCTIONS

STEP 1
• Unbox the aftermarket radio and locate its main harness.
• Connect the wires shown on the next page from aftermarket radio main harness to the GM5+ T-harness and match the wire functions.

STEP 2
• Connect the factory harness to the GM5+ T-harness.

STEP 3
• Access the OBDII connector located under the driver side dashboard.
• Connect the BROWN /RED wire of the GM5+ T-harness to the wire located at pin 6 of the OBDII connector. (See the vehicle wire chart reference for wire colors)
• Connect the BROWN /YELLOW wire of the GM5+ T-harness to the wire located at pin 14 of the OBDII connector. (See the vehicle wire chart reference for wire colors)

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.

STEP 5
• Connect all the harnesses to the Maestro RR module then proceed to module setup.

The module is now ready to be used.
Insert the aftermarket radio in the dashboard housing and test all the functionalities.
Reassemble the dashboard carefully.

AMPLIFIER ONLY
DETERMINE IF YOU SHOULD USE RCA’S OR LEVEL MATCHING CIRCUITS

• If your vehicle is equipped with a factory amplifier you can connect the RCA wiring to the low level outputs of your aftermarket radio, or connect the level matching circuits to the speaker outputs of the aftermarket radio.
• If your aftermarket radio does not have low level outputs, has only a single RCA output, or the RCA output level is 2 volts or less then it is recommended to connect the level matching circuit to the speaker outputs. If the volume does not go loud enough using the RCA connections, the level matching circuits can be used.
• The internal amplifier in some radios is not compatible with the level matching circuit. In these cases, there will be floor noise (hissing or buzzing at low levels) when the level matching circuit is connected. Change to the RCA connections to eliminate this noise.

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**
Connect to radio with low level output:
- White - LF speaker (+)
- White/black - LF speaker (-)
- Gray - RF speaker (+)
- Gray/black - RF speaker (-)
- Green - LR speaker (+)
- Green/black - LR speaker (-)
- Purple/black - RR speaker (+)
- Purple/Black - RR speaker (-)
- Tan/black - 12V (+)
- Tan - ground
- Red - accessory (+)
- Yellow - 12V (-)
- Orange - illumination (+)
- Purple/White - reverse light (+)
- LtGreen - e-brake (-)
- Yellow/black - foot brake
- Brown (not connected)

**STEP 2**
Factory radio harness

**STEP 3**
OBDII connector
- Brown/red - CANH
- Brown/yellow - CANL
- Tan/black
- Tan

**STEP 4**
Connect to aftermarket radio

**STEP 5**
Connect to twisted wires behind connector.

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

Reference chart for radio wire colors.

Connect to radio with high level output:
- White - LF speaker (+)
- White/black - LF speaker (-)
- Gray - RF speaker (+)
- Gray/black - RF speaker (-)
- Green - LR speaker (+)
- Green/black - LR speaker (-)
- Purple - RR speaker (+)
- Purple/black - RR speaker (-)
- Blue/white - amp. turn on (+)
- Blue - ground
- Purple - RR speaker (+)
- Orange - illumination (+)
- Purple/White - reverse light (+)
- LtGreen - e-brake (-)
- Yellow/black - foot brake

Connect to radio with low level output:
- White - LF speaker (+)
- White/black - LF speaker (-)
- Gray - RF speaker (+)
- Gray/black - RF speaker (-)
- Green - LR speaker (+)
- Green/black - LR speaker (-)
- Purple/black - RR speaker (+)
- Purple/Black - RR speaker (-)
- Tan/black - 12V (+)
- Tan - ground
- Red - accessory (+)
- Yellow - 12V (-)
- Orange - illumination (+)
- Purple/White - reverse light (+)
- LtGreen - e-brake (-)
- Yellow/black - foot brake
- Brown (not connected)

Connect to twisted wires behind connector.

Reference chart for radio wire colors.
WIRING DIAGRAM without an Amplifier

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

- WHITE - LF SPEAKER (+)
- WHITE/BLACK - LF 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
- BROWN (NOT CONNECTED)

**STEP 2**
FACTORY RADIO HARNESS

**STEP 3**
OBDII CONNECTOR
- BROWN/RED - CANH
- BROWN/YELLOW - CANL
- TAN/BLACK
- OTHER COLORS: SEE RADIO WIRE REFERENCE CHART FOR RADIO WIRE COLORS

**STEP 4**
CONNECT TO AFTERMARKET RADIO

**STEP 5**
MAESTRO RR MODULE

- CUT AND REMOVE THE SPEAKER WIRE JUNCTION CONNECTORS
- NOTE: PIN SIDE VIEW. CONNECT TO TWISTED WIRES BEHIND CONNECTOR.
### RADIO WIRE REFERENCE CHART

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INSTALL GUIDE
GMC SIERRA 2500 WITH NAV 2012-2014
RETAINS STEERING WHEEL CONTROLS, ONSTAR, BLUETOOTH, XM SATELLITE AND MORE!

PRODUCTS REQUIRED
iDatalink Maestro RR Radio Replacement Interface
iDatalink Maestro GM2 Installation Harness

OPTIONAL ACCESSORIES
None

PROGRAMMED Firmware
ADS-RR(SR)-GMS05-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.
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

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BEFORE INSTALLING

**STEP 1**

DETERMINE IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

**METHOD 1:** Look for the following logos in the vehicle. They are usually on the speaker covers or on the radio unit. If you find any of the following logos Bose, Pioneer or Monsoon, you have a factory amplifier.

**METHOD 2:** Look for the following sticker in the glove box. This sticker will indicate all the Regular Production Option (RPO) codes. If you find any of the following codes UQA, UQS or UQG, you have a factory amplifier.

**STEP 2**

IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram with an amplifier and read the “AMPLIFIER ONLY” note to determine if you should use rca’s or level matching circuits.

IF YOUR VEHICLE NOT IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram without an amplifier.
INSTALLATION INSTRUCTIONS

STEP 1
- Unbox the aftermarket radio and locate its main harness.
- Connect the wires shown on the next page from aftermarket radio main harness to the GM2 T-harness and match the wire functions.
- Remove the factory radio.

STEP 2
- Connect the GREEN male 2 pin connector of the backup camera cable to the GREEN female connector of the backup camera adapter. Connect GRAY connector of adapter to the vehicle backup camera harness.

STEP 3
- Connect the factory harness to the GM2 T-harness. Ensure that the RED 2 pin plugs are connected.

STEP 4
- Plug the OBDII connector into the OBDII of the vehicle, under driver dash.

STEP 5
- Plug the aftermarket radio harnesses into the aftermarket radio.
- Connect the backup camera RCA cable 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 6
- Connect all the harnesses to the Maestro RR module then 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 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 (+)
- YELLOW - 12V (+)
- ORANGE - ILLUMINATION (+)
- PURPLE/WHITE - REVERSE LIGHT (+)
- LTGREEN - E-BRAKE (-)
- YELLOW/BLACK - FOOT BRAKE
- BROWN (NOT CONNECTED)

STEP 2
- BACKUP CAMERA HARNESS
- WIRES FROM VEHICLE
- GREEN/GREEN
- RED/RED

STEP 3
- FACTORY RADIO HARNESS
- OBDII CONNECTOR
- GREEN NOT CONNECTED

STEP 4
- OBDII CONNECTOR
- GREEN NOT CONNECTED

STEP 5
- MAIN HARNESS
- RCA CABLE
- BACKUP CAM
- CONNECT TO AFTERMARKET RADIO

STEP 6
- SPEAKER
- MAESTRO RR MODULE
- AUDIO CABLE
- DATA CABLE
- DATA CABLE
WIRING DIAGRAM without an Amplifier

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 (+)
- RED - ACCESSORY (+)
- YELLOW - 12V (+)
- ORANGE - ILLUMINATION (+)
- ORANGE/WHITE - REVERSE LIGHT (+)
- LTGREEN - E-BRAKE (-)
- YELLOW/BLACK - FOOT BRAKE
- WHITE/BLACK - LF SPEAKER (-)
- GRAY - RF SPEAKER (-)
- GREEN - LR SPEAKER (-)
- GREEN/BLACK - LR SPEAKER (+)
- RED - ACCESSORY (+)
- YELLOW - 12V (+)
- ORANGE - ILLUMINATION (+)
- ORANGE/WHITE - REVERSE LIGHT (+)
- LTGREEN - E-BRAKE (-)
- YELLOW/BLACK - FOOT BRAKE
- BROWN (NOT CONNECTED)

STEP 2
BACKUP CAMERA HARNESS

- GREEN

STEP 3
FACTORY RADIO HARNESS

- RED

STEP 4
OBDII CONNECTOR

- GREEN

STEP 5
CONNECT TO AFTERMARKET RADIO

- RCA CABLE

STEP 6
SPEAKER

- MAESTRO RR MODULE
- SPEAKER

FACTORY RADIO HARNESS

BACKUP CAMERA HARNESS

WIRES FROM VEHICLE

DATA CABLE

MAESTRO RR MODULE

OBDII CONNECTOR

NOT CONNECTED

STEP 1
CUT AND REMOVE THE SPEAKER WIRE JUNCTION CONNECTORS

- WHITE - LF SPEAKER (+)
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- GRAY - RF SPEAKER (-)
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- GREEN/BLACK - LR SPEAKER (+)
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- YELLOW - 12V (+)
- ORANGE - ILLUMINATION (+)
- ORANGE/WHITE - REVERSE LIGHT (+)
- LTGREEN - E-BRAKE (-)
- YELLOW/BLACK - FOOT BRAKE
- BROWN (NOT CONNECTED)

STEP 2
BACKUP CAMERA HARNESS

- GREEN

STEP 3
FACTORY RADIO HARNESS

- RED

STEP 4
OBDII CONNECTOR

- GREEN

STEP 5
CONNECT TO AFTERMARKET RADIO

- RCA CABLE

STEP 6
SPEAKER

- MAESTRO RR MODULE
- SPEAKER

FACTORY RADIO HARNESS

BACKUP CAMERA HARNESS

WIRES FROM VEHICLE

DATA CABLE

MAESTRO RR MODULE

OBDII CONNECTOR

NOT CONNECTED
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INSTALL GUIDE
GMC YUKON
2007-2011

RETAINS STEERING WHEEL CONTROLS, ONSTAR, BLUETOOTH, XM SATELLITE AND MORE!

PRODUCTS REQUIRED
iDatalink Maestro RR Radio Replacement Interface
iDatalink Maestro GM5+ Installation Harness

OPTIONAL ACCESSORIES
None

PROGRAMMED FIRMWARE
ADS-RR(SR)-GMS05-DS

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NEED HELP?

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support@idatalink.com

maestro.idatalink.com/support

www.12voltdata.com/forum
BEFORE INSTALLING

**STEP 1**

**DETERMINE IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:**

**METHOD 1:** Look for the following logos in the vehicle. They are usually on the speaker covers or on the radio unit. If you find any of the following logos Bose, Pioneer or Monsoon, you have a factory amplifier.

**METHOD 2:** Look for the following sticker in the glove box. This sticker will indicate all the Regular Production Option (RPO) codes. If you find any of the following codes UQA, UQS or UQG, you have a factory amplifier.

**SERVICE PARTS IDENTIFICATION DO NOT REMOVE**

<table>
<thead>
<tr>
<th>SERVICE PARTS IDENTIFICATION</th>
<th>DO NOT REMOVE</th>
</tr>
</thead>
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<tr>
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<td>143.5 FXWH2O</td>
</tr>
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<td>AG1 AG2 AJ1 AL0 AM7 AN3 AU0</td>
<td>CK5753</td>
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<td>B56 B61 B62 C13 C49 C70</td>
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<td>E1A E93 F98 FF8 FT3 G15 G80</td>
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<tr>
<td>UF3 UKQ VR4 VTV VX3 V73</td>
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<td>Y55 ZOC ZY1 ZB0 ZZ2</td>
<td></td>
</tr>
<tr>
<td>BC/CC U 8555 692</td>
<td></td>
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</table>

**STEP 2**

**IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:**

Follow the installation instructions and complete the installation as shown in the wiring diagram **with an amplifier** and read the “AMPLIFIER ONLY” note to determine if you should use RCA’s or level matching circuits.

**IF YOUR VEHICLE NOT IS EQUIPPED WITH A FACTORY AMPLIFIER:**

Follow the installation instructions and complete the installation as shown in the wiring diagram **without an amplifier**.
INSTALLATION INSTRUCTIONS

STEP 1
- Unbox the aftermarket radio and locate its main harness.
- Connect the wires shown on the next page from aftermarket radio main harness to the GM5+ T-harness and match the wire functions.

STEP 2
- Connect the factory harness to the GM5+ T-harness.

STEP 3
- Access the OBDII connector located under the driver side dashboard.
- Connect the BROWN /RED wire of the GM5+ T-harness to the wire located at pin 6 of the OBDII connector. (See the vehicle wire chart reference for wire colors)
- Connect the BROWN /YELLOW wire of the GM5+ T-harness to the wire located at pin 14 of the OBDII connector. (See the vehicle wire chart reference for wire colors)

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.

STEP 5
- Connect all the harnesses to the Maestro RR module then proceed to module setup.

The module is now ready to be used.
Insert the aftermarket radio in the dashboard housing and test all the functionalities.
Reassemble the dashboard carefully.

AMPLIFIER ONLY

DETERMINE IF YOU SHOULD USE RCA'S OR LEVEL MATCHING CIRCUITS
- If your vehicle is equipped with a factory amplifier you can connect the RCA wiring to the low level outputs of your aftermarket radio, or connect the level matching circuits to the speaker outputs of the aftermarket radio.
- If your aftermarket radio does not have low level outputs, has only a single RCA output, or the RCA output level is 2 volts or less then it is recommended to connect the level matching circuit to the speaker outputs. If the volume does not go loud enough using the RCA connections, the level matching circuits can be used.
- The internal amplifier in some radios is not compatible with the level matching circuit. In these cases, there will be floor noise (hissing or buzzing at low levels) when the level matching circuit is connected. Change to the RCA connections to eliminate this noise.

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**
Connect to radio with Low Level Output:
- 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 (-)
- TAN/BLACK - Ground

**STEP 2**
Factory Radio Harness

**STEP 3**
OBDII Connector
- BROWN/RED - CANH
- BROWN/YELLOW - CANL
- TAN/BLACK

**STEP 4**
Connect to Aftermarket Radio

**STEP 5**
Connect to Radio with High Level Output:
- 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

**OR**
Connect to radio with High Level Output:

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

NOTE: Pin Side View. Connect to twisted wires behind connector.

See radio wire reference chart for radio wire colors.

WIRING DIAGRAM with an Amplifier
WIRING DIAGRAM without an Amplifier

STEP 1
CUT AND REMOVE THE SPEAKER WIRE JUNCTION CONNECTORS

STEP 2
FACTORY RADIO HARNESS

STEP 3
OODII CONNECTOR

STEP 4
CONNECT TO AFTERMARKET RADIO

STEP 5
CONNECT TO TWISTED WIRES BEHIND CONNECTOR.

NOTE: PIN SIDE VIEW.

CONNECT TO AFTERMARKET RADIO

BROWN/RED - CANH
BROWN/YELLOW - CANL
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 (+)
ORANGE - ILLUMINATION (+)
PINK - VEHICLE SPEED
YELLOW - 12V (+)

SEE RADIO WIRE REFERENCE CHART FOR RADIO WIRE COLORS
# RADIO WIRE REFERENCE CHART

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<td>Orange</td>
<td>N/A</td>
<td>Orange/White</td>
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<tr>
<td>Reverse Light</td>
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<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>
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INSTALL GUIDE

GMC YUKON WITH NAV 2012-2014

RETTAINS STEERING WHEEL CONTROLS, ONSTAR, BLUETOOTH, XM SATELLITE AND MORE!

PRODUCTS REQUIRED

iDatalink Maestro RR Radio Replacement Interface
iDatalink Maestro GM2 Installation Harness

OPTIONAL ACCESSORIES

None

PROGRAMMED Firmware

ADS-RR(SR)-GMS05-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.

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<td>Wiring Diagram without an Amplifier</td>
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</tr>
<tr>
<td>Radio Wire Reference Chart</td>
<td>7</td>
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</table>

NEED HELP?

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support@idatalink.com

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

**STEP 1**

**DETERMINE IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:**

**METHOD 1:** Look for the following logos in the vehicle. They are usually on the speaker covers or on the radio unit. If you find any of the following logos Bose, Pioneer or Monsoon, you have a factory amplifier.

**METHOD 2:** Look for the following sticker in the glove box. This sticker will indicate all the Regular Production Option (RPO) codes. If you find any of the following codes UQA, UQS or UQG, you have a factory amplifier.

**STEP 2**

**IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:**

Follow the installation instructions and complete the installation as shown in the wiring diagram **with an amplifier** and read the "AMPLIFIER ONLY" note to determine if you should use RCA’s or level matching circuits.

**IF YOUR VEHICLE NOT IS EQUIPPED WITH A FACTORY AMPLIFIER:**

Follow the installation instructions and complete the installation as shown in the wiring diagram **without an amplifier**.
INSTALLATION INSTRUCTIONS

STEP 1
• Unbox the aftermarket radio and locate its main harness.
• Connect the wires shown on the next page from aftermarket radio main harness to the GM2 T-harness and match the wire functions.
• Remove the factory radio.

STEP 2
• Connect the GREEN male 2 pin connector of the backup camera cable to the GREEN female connector of the backup camera adapter. Connect GRAY connector of adapter to the vehicle backup camera harness.

STEP 3
• Connect the factory harness to the GM2 T-harness. Ensure that the RED 2 pin plugs are connected.

STEP 4
• Plug the OBDII connector into the OBDII of the vehicle, under driver dash.

STEP 5
• Plug the aftermarket radio harnesses into the aftermarket radio.
• Connect the backup camera RCA cable 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 6
• Connect all the harnesses to the Maestro RR module then 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**
Cut and remove the speaker wire junction connectors.

**STEP 2**
Green Green
Backup Camera Harness

**STEP 3**
Red Red
Factory Radio Harness

**STEP 4**
Green
Not Connected

**STEP 5**
Connect to aftermarket radio

**STEP 6**
Speakers

---

Wire Colors:
- White - LF Speaker (+)
- White/Black - LF Speaker (-)
- Gray - RF Speaker (+)
- Gray/Black - RF Speaker (-)
- Green - LR Speaker (+)
- Green/Black - LR Speaker (-)
- Purple/Black - RR Speaker (+)
- Blue/White - AMP. TURN ON (+)
- Red - ACCESSORY (+)
- Yellow - 12V (+)
- Orange - ILLUMINATION (+)
- Purple/White - REVERSE LIGHT (+)
- LTGreen - E-BRAKE (-)
- Yellow/Black - FOOT BRAKE
- Brown (Not Connected)

---

## RADIO WIRE REFERENCE CHART

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<td>Pink</td>
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INSTALL GUIDE

GMC YUKON

WITHOUT NAV 2012-2014

RETAINS STEERING WHEEL CONTROLS, ONSTAR, BLUETOOTH, XM SATELLITE AND MORE!

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NEED HELP?

1 866 427-2999

support@idatalink.com

maestro.idatalink.com/support

www.12voltdata.com/forum
BEFORE INSTALLING

**STEP 1**

**DETERMINE IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:**

**METHOD 1:** Look for the following logos in the vehicle. They are usually on the speaker covers or on the radio unit. If you find any of the following logos Bose, Pioneer or Monsoon, you have a factory amplifier.

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**STEP 2**

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**IF YOUR VEHICLE NOT IS EQUIPPED WITH A FACTORY AMPLIFIER:**

Follow the installation instructions and complete the installation as shown in the wiring diagram without an amplifier.
INSTALLATION INSTRUCTIONS

STEP 1
- Unbox the aftermarket radio and locate its main harness.
- Connect the wires shown on the next page from aftermarket radio main harness to the GM5+ T-harness and match the wire functions.

STEP 2
- Connect the factory harness to the GM5+ T-harness.

STEP 3
- Access the OBDII connector located under the driver side dashboard.
- Connect the BROWN /RED wire of the GM5+ T-harness to the wire located at pin 6 of the OBDII connector. (See the vehicle wire chart reference for wire colors)
- Connect the BROWN /YELLOW wire of the GM5+ T-harness to the wire located at pin 14 of the OBDII connector. (See the vehicle wire chart reference for wire colors)

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.

STEP 5
- Connect all the harnesses to the Maestro RR module then proceed to module setup.

The module is now ready to be used.
Insert the aftermarket radio in the dashboard housing and test all the functionalities.
Reassemble the dashboard carefully.

AMPLIFIER ONLY

DETERMINE IF YOU SHOULD USE RCA’S OR LEVEL MATCHING CIRCUITS

- If your vehicle is equipped with a factory amplifier you can connect the RCA wiring to the low level outputs of your aftermarket radio, or connect the level matching circuits to the speaker outputs of the aftermarket radio.
- If your aftermarket radio does not have low level outputs, has only a single RCA output, or the RCA output level is 2 volts or less then it is recommended to connect the level matching circuit to the speaker outputs. If the volume does not go loud enough using the RCA connections, the level matching circuits can be used.
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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**
CONNECT TO RADIO WITH LOW LEVEL OUTPUT:
- 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 (-)
- TAN - GROUND
- TAN/BLACK - LF SPEAKER
- BROWN - CANH
- BROWN/YELLOW - CANL

**STEP 2**
FACTORY RADIO HARNESS

**STEP 3**
OBDDI CONNECTOR
- BROWN/RED - CANH
- BROWN/YELLOW - CANL
- TAN/BLACK
- TAN

**STEP 4**
CONNECT TO AFTERMARKET RADIO

**STEP 5**
NOTE: PIN SIDE VIEW.
CONNECT TO TWISTED WIRES BEHIND CONNECTOR.

See radio wire reference chart for radio wire colors.

**NOTE:** Pin side view.

Connect to twisted wires behind connector.

Connect to radio with low level output:
- 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 (-)
- TAN - GROUND
- TAN/BLACK - LF SPEAKER
- BROWN (NOT CONNECTED)

Connect to radio with high level output:
- 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 (+)
- RED - ACCESSORY (+)
- YELLOW - 12V (+)
- ORANGE - ILLUMINATION (+)
- PURPLE/WHITE - REVERSE LIGHT (+)
- LTGREEN - E-BRAKE (-)
- YELLOW/BLACK - FOOT BRAKE
- PINK - VEHICLE SPEED

**CONNECT TO RADIO WITH LOW LEVEL OUTPUT:**
- 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 (-)
- TAN - GROUND
- TAN/BLACK - LF SPEAKER
- BROWN (NOT CONNECTED)

**CONNECT TO RADIO WITH HIGH LEVEL OUTPUT:**
- 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 (+)
- RED - ACCESSORY (+)
- YELLOW - 12V (+)
- ORANGE - ILLUMINATION (+)
- PURPLE/WHITE - REVERSE LIGHT (+)
- LTGREEN - E-BRAKE (-)
- YELLOW/BLACK - FOOT BRAKE
- PINK - VEHICLE SPEED
WIRING DIAGRAM without an Amplifier

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

**STEP 2**
- Factory radio harness.
- Connect to twisted wires behind connector.

**STEP 3**
- OBDII connector.
- Connect to twisted wires behind connector.

**STEP 4**
- Main harness.
- Connect to aftermarket radio.

**STEP 5**
- Backup camera.
- Cut and remove the speaker wire junction connectors.

**NOTE:** Pin side view. Connect to twisted wires behind connector.
## RADIO WIRE REFERENCE CHART

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OPTIONAL ACCESSORIES

PROGRAMMED FIRMWARE
ADS-RR(SR)-GMS05-DS

PRODUCTS REQUIRED
iDatalink Maestro RR Radio Replacement Interface
iDatalink Maestro GM5+ Installation Harness

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**STEP 2**

**IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:**

Follow the installation instructions and complete the installation as shown in the wiring diagram with an amplifier and read the “AMPLIFIER ONLY” note to determine if you should use RCA’s or level matching circuits.

**IF YOUR VEHICLE NOT IS EQUIPPED WITH A FACTORY AMPLIFIER:**

Follow the installation instructions and complete the installation as shown in the wiring diagram without an amplifier.
INSTALLATION INSTRUCTIONS

STEP 1
• Unbox the aftermarket radio and locate its main harness.
• Connect the wires shown on the next page from aftermarket radio main harness to the GM5+ T-harness and match the wire functions.

STEP 2
• Connect the factory harness to the GM5+ T-harness.

STEP 3
• Access the OBDII connector located under the driver side dashboard.
• Connect the BROWN/RED wire of the GM5+ T-harness to the wire located at pin 6 of the OBDII connector. (See the vehicle wire chart reference for wire colors)
• Connect the BROWN/YELLOW wire of the GM5+ T-harness to the wire located at pin 14 of the OBDII connector. (See the vehicle wire chart reference for wire colors)

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.

STEP 5
• Connect all the harnesses to the Maestro RR module then proceed to module setup.

The module is now ready to be used.
Insert the aftermarket radio in the dashboard housing and test all the functionalities.
Reassemble the dashboard carefully.

AMPLIFIER ONLY
DETERMINE IF YOU SHOULD USE RCA’S OR LEVEL MATCHING CIRCUITS

• If your vehicle is equipped with a factory amplifier you can connect the RCA wiring to the low level outputs of your aftermarket radio, or connect the level matching circuits to the speaker outputs of the aftermarket radio.
• If your aftermarket radio does not have low level outputs, has only a single RCA output, or the RCA output level is 2 volts or less then it is recommended to connect the level matching circuit to the speaker outputs. If the volume does not go loud enough using the RCA connections, the level matching circuits can be used.
• The internal amplifier in some radios is not compatible with the level matching circuit. In these cases, there will be floor noise (hissing or buzzing at low levels) when the level matching circuit is connected. Change to the RCA connections to eliminate this noise.

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
CONNECT TO RADIO WITH LOW LEVEL OUTPUT:
- 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 (-)
- TAN/BLACK - RR SPEAKER (-)

STEP 2
FACTORY RADIO HARNESS
- BROWN/RED - CANH
- BROWN/YELLOW - CANL
- BROWN/BLACK - T-HARNESS
- TAN/BLACK - T-HARNESS
- TAN - TWISTED WIRES BEHIND CONNECTOR

STEP 3
OR : CONNECT TO RADIO WITH LOW LEVEL OUTPUT:
- 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 (-)
- TAN/BLACK - RR SPEAKER (-)
- BROWN (NOT CONNECTED)

STEP 4
CONNECT TO AFTERMARKET RADIO
- CENTER
- SUB
- BACKUP CAM

STEP 5
NOTE: PIN SIDE VIEW.
CONNECT TO TWISTED WIRES BEHIND CONNECTOR.

SEE RADIO WIRE REFERENCE CHART FOR RADIO WIRE COLORS

LF SPEAKER
RF SPEAKER
LR SPEAKER
RR SPEAKER

OR : CONNECT TO RADIO WITH HIGH LEVEL OUTPUT:
- 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 - LF SPEAKER (+)
- GREEN/BLACK - LF SPEAKER (-)
- GRAY - RF SPEAKER (+)
- GRAY/BLACK - RF SPEAKER (-)
- TAN/BLACK - RR SPEAKER (-)
- PURPLE/BLACK - RR SPEAKER (-)
- TAN - TWISTED WIRES BEHIND CONNECTOR
WIRING DIAGRAM without an Amplifier

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

STEP 2
FACTORY RADIO HARNESS

STEP 3
OBDII CONNECTOR

BROWN/RED - CANH
BROWN/YELLOW - CANL
TAN/BLACK
TAN

STEP 4
CONNECT TO AFTERMARKET RADIO
BACKUP CAM
BRAKE CABLES

STEP 5
WIRING FROM VEHICLE
SPEAKER
MAESTRO RR MODULE

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

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<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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</table>
# INSTALL GUIDE

**GMC YUKON XL WITH NAV 2012-2014**

RETAINS STEERING WHEEL CONTROLS, ONSTAR, BLUETOOTH, XM SATELLITE AND MORE!

## PRODUCTS REQUIRED
- iDatalink Maestro RR Radio Replacement Interface
- iDatalink Maestro GM2 Installation Harness

## OPTIONAL ACCESSORIES
None

## PROGRAMMED Firmware
ADS-RR(SR)-GMS05-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.

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Radio Wire Reference Chart 7

NEED HELP?

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

**STEP 1**

**DETERMINE IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:**

**METHOD 1:** Look for the following logos in the vehicle. They are usually on the speaker covers or on the radio unit. If you find any of the following logos Bose, Pioneer or Monsoon, you have a factory amplifier.

**METHOD 2:** Look for the following sticker in the glove box. This sticker will indicate all the Regular Production Option (RPO) codes. If you find any of the following codes UQA, UQS or UQG, you have a factory amplifier.

---

**STEP 2**

**IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:**

Follow the installation instructions and complete the installation as shown in the wiring diagram with an amplifier and read the "AMPLIFIER ONLY" note to determine if you should use rca’s or level matching circuits.

**IF YOUR VEHICLE NOT IS EQUIPPED WITH A FACTORY AMPLIFIER:**

Follow the installation instructions and complete the installation as shown in the wiring diagram without an amplifier.
INSTALLATION INSTRUCTIONS

STEP 1
• Unbox the aftermarket radio and locate its main harness.
• Connect the wires shown on the next page from aftermarket radio main harness to the GM2 T-harness and match the wire functions.
• Remove the factory radio.

STEP 2
• Connect the GREEN male 2 pin connector of the backup camera cable to the GREEN female connector of the backup camera adapter. Connect GRAY connector of adapter to the vehicle backup camera harness.

STEP 3
• Connect the factory harness to the GM2 T-harness. Ensure that the RED 2 pin plugs are connected.

STEP 4
• Plug the OBDII connector into the OBDII of the vehicle, under driver dash.

STEP 5
• Plug the aftermarket radio harnesses into the aftermarket radio.
• Connect the backup camera RCA cable 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 6
• Connect all the harnesses to the Maestro RR module then 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**
CUT AND REMOVE THE SPEAKER WIRE JUNCTION CONNECTORS

**STEP 2**
BACKUP CAMERA HARNESS

**STEP 3**
FACTORY RADIO HARNESS

**STEP 4**
OBDII CONNECTOR

**STEP 5**
CONNECT TO AFTERMARKET RADIO

**STEP 6**
MAESTRO RR MODULE
# RADIO WIRE REFERENCE CHART

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<td>N/A</td>
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</tr>
<tr>
<td>VSS [vehicle speed sensor] [DATA]</td>
<td>Pink</td>
<td>Green/White</td>
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INSTALL GUIDE
GMC YUKON XL WITHOUT NAV 2012-2014
RETAINS STEERING WHEEL CONTROLS, ONSTAR, BLUETOOTH, XM SATELLITE AND MORE!

PRODUCTS REQUIRED
iDatalink Maestro RR Radio Replacement Interface
iDatalink Maestro GM5+ Installation Harness

OPTIONAL ACCESSORIES
None

PROGRAMMED Firmware
ADS-RR(SR)-GMS05-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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BEFORE INSTALLING

STEP 1

DETERMINE IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

METHOD 1: Look for the following logos in the vehicle. They are usually on the speaker covers or on the radio unit. If you find any of the following logos Bose, Pioneer or Monsoon, you have a factory amplifier.

METHOD 2: Look for the following sticker in the glove box. This sticker will indicate all the Regular Production Option (RPO) codes. If you find any of the following codes UQA, UQS or UQG, you have a factory amplifier.

STEP 2

IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram with an amplifier and read the “AMPLIFIER ONLY” note to determine if you should use RCA’s or level matching circuits.

IF YOUR VEHICLE NOT IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram without an amplifier.
INSTALLATION INSTRUCTIONS

STEP 1
• Unbox the aftermarket radio and locate its main harness.
• Connect the wires shown on the next page from aftermarket radio main harness to the GM5+ T-harness and match the wire functions.

STEP 2
• Connect the factory harness to the GM5+ T-harness.

STEP 3
• Access the OBDII connector located under the driver side dashboard.
• Connect the BROWN/RED wire of the GM5+ T-harness to the wire located at pin 6 of the OBDII connector. (See the vehicle wire chart reference for wire colors)
• Connect the BROWN/YELLOW wire of the GM5+ T-harness to the wire located at pin 14 of the OBDII connector. (See the vehicle wire chart reference for wire colors)

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.

STEP 5
• Connect all the harnesses to the Maestro RR module then proceed to module setup.

The module is now ready to be used.
Insert the aftermarket radio in the dashboard housing and test all the functionalities.
Reassemble the dashboard carefully.

AMPLIFIER ONLY
DETERMINE IF YOU SHOULD USE RCA’S OR LEVEL MATCHING CIRCUITS

• If your vehicle is equipped with a factory amplifier you can connect the RCA wiring to the low level outputs of your aftermarket radio, or connect the level matching circuits to the speaker outputs of the aftermarket radio.
• If your aftermarket radio does not have low level outputs, has only a single RCA output, or the RCA output level is 2 volts or less then it is recommended to connect the level matching circuit to the speaker outputs. If the volume does not go loud enough using the RCA connections, the level matching circuits can be used.
• The internal amplifier in some radios is not compatible with the level matching circuit. In these cases, there will be floor noise (hissing or buzzing at low levels) when the level matching circuit is connected. Change to the RCA connections to eliminate this noise.

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
CONNECT TO RADIO WITH LOW LEVEL OUTPUT:
- 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 (-)

STEP 2
FACTORY RADIO HARNESS

STEP 3
ORBDII CONNECTOR

STEP 4
CONNECT TO RADIO WITH HIGH LEVEL OUTPUT:
- RED - ACCESSORY (+)
- YELLOW - 12V (+)
- ORANGE - ILLUMINATION (+)
- PURPLE/WHITE - REVERSE LIGHT (+)
- LTGREEN - E-BRAKE (-)
- YELLOW/BLACK - FOOT BRAKE

STEP 5
CONNECT TO AFTERMARKET RADIO

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

SEE RADIO WIRE REFERENCE CHART FOR RADIO WIRE COLORS

NOTE: PIN SIDE VIEW. CONNECT TO TWISTED WIRES BEHIND CONNECTOR.
STEP 1
CUT AND REMOVE THE SPEAKER WIRE JUNCTION CONNECTORS.

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 (+)
ORANGE - ILLUMINATION (+)
PURPLE/WHITE - REVERSE LIGHT (+)
PINK - VEHICLE SPEED
YELLOW/BLACK - FOOT BRAKE

STEP 2
FACTORY RADIO HARNESS

WHITE/BLACK - LF SPEAKER (-)
GRAY/BLACK - RF SPEAKER (-)
GREEN/BLACK - LR SPEAKER (-)
PURPLE/BLACK - RR SPEAKER (-)
BLACK - GROUND
RED - ACCESSORY (+)
ORANGE - ILLUMINATION (+)
PURPLE/WHITE - REVERSE LIGHT (+)
PINK - VEHICLE SPEED
YELLOW/BLACK - FOOT BRAKE

STEP 3
OBDDII CONNECTOR

BROWN/RED - CANH
BROWN/YELLOW - CANL
BROWN/BLACK - CANI

STEP 4
CONNECT TO AFTERMARKET RADIO

STEP 5
SPEAKER

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

DATA CABLE

MAESTRO RR MODULE

WIRING DIAGRAM without an Amplifier
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INSTALL GUIDE
HUMMER H2
2008-2009

RETAINS STEERING WHEEL CONTROLS, ONSTAR, BLUETOOTH, XM SATELLITE AND MORE!

PRODUCTS REQUIRED
iDatalink Maestro RR Radio Replacement Interface
iDatalink Maestro GM5+ Installation Harness

OPTIONAL ACCESSORIES
None

PROGRAMMED Firmware
ADS-RR(SR)-GMS05-DS

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NEED HELP?

1 866 427-2999

support@idatalink.com

maestro.idatalink.com/support

www.12voltdata.com/forum
BEFORE INSTALLING

STEP 1

DETERMINE IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

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STEP 2
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• Connect all the harnesses to the Maestro RR module then proceed to module setup.

The module is now ready to be used.
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• 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**
CONNECT TO RADIO WITH LOW LEVEL OUTPUT:
- 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 (-)

CONNECT TO RADIO WITH HIGH LEVEL OUTPUT:
- 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 (-)
- YELLOW/BLACK - FOOT BRAKE
- TAN/BROWN (NOT CONNECTED)

**STEP 2**
FACTORY RADIO HARNESS

**STEP 3**
OBDII CONNECTOR
- 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 (-)
- YELLOW/BLACK - FOOT BRAKE
- TAN/BROWN (NOT CONNECTED)

**STEP 4**
CONNECT TO AFTERMARKET RADIO

**STEP 5**
SEE RADIO WIRE REFERENCE CHART FOR RADIO WIRE COLORS

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

**GMS05+ T-HARNESS**

**WIRING DIAGRAM with an Amplifier**

- STEP 1
- STEP 2
- STEP 3
- STEP 4
- STEP 5
WIRING DIAGRAM without an Amplifier

**STEP 1**

CUT AND REMOVE THE SPEAKER WIRE JUNCTION CONNECTORS

- 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 (-)
- YELLOW/BLACK - FOOT BRAKE
- BROWN (NOT CONNECTED)

**STEP 2**

FACTORY RADIO HARNESS

**STEP 3**

OBDDII CONNECTOR

BROWN/RED - CANH
BROWN/YELLOW - CANL
TAN/BLACK
TAN

**STEP 4**

CONNECT TO AFTERMARKET RADIO

MAIN HARNESS

BACKUP CAM

RCA CABLES

**STEP 5**

WIRING FROM VEHICLE

DATA CABLE

AUDI CABLE

SPEAKER

MAESTRO RR MODULE

NOTE: PIN SIDE VIEW.
CONNECT TO TWISTED WIRES BEHIND CONNECTOR.
# 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)-GMS05-DS

PRODUCTS REQUIRED
iDatalink Maestro RR Radio Replacement Interface
iDatalink Maestro GM5+ Installation Harness

INSTALL GUIDE
SATURN OUTLOOK
2007-2010

RETAILS STEERING WHEEL CONTROLS, ONSTAR, BLUETOOTH, XM 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.

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</table>

NEED HELP?

1 866 427-2999

support@idatalink.com

maestro.idatalink.com/support

www.12voltdata.com/forum
BEFORE INSTALLING

STEP 1

DETERMINE IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

METHOD 1: Look for the following logos in the vehicle. They are usually on the speaker covers or on the radio unit. If you find any of the following logos Bose, Pioneer or Monsoon, you have a factory amplifier.

METHOD 2: Look for the following sticker in the glove box. This sticker will indicate all the Regular Production Option (RPO) codes. If you find any of the following codes UQA, UQS or UQG, you have a factory amplifier.

STEP 2

IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram with an amplifier and read the “AMPLIFIER ONLY” note to determine if you should use rca’s or level matching circuits.

IF YOUR VEHICLE NOT IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram without an amplifier.
INSTALLATION INSTRUCTIONS

STEP 1
• Unbox the aftermarket radio and locate its main harness.
• Connect the wires shown on the next page from aftermarket radio main harness to the GM5+ T-harness and match the wire functions.

STEP 2
• Connect the factory harness to the GM5+ T-harness.

STEP 3
• Access the OBDII connector located under the driver side dashboard.
• Connect the BROWN /RED wire of the GM5+ T-harness to the wire located at pin 6 of the OBDII connector. (See the vehicle wire chart reference for wire colors)
• Connect the BROWN /YELLOW wire of the GM5+ T-harness to the wire located at pin 14 of the OBDII connector. (See the vehicle wire chart reference for wire colors)

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.

STEP 5
• Connect all the harnesses to the Maestro RR module then proceed to module setup.

The module is now ready to be used.
Insert the aftermarket radio in the dashboard housing and test all the functionalities.
Reassemble the dashboard carefully.

AMPLIFIER ONLY
DETERMINE IF YOU SHOULD USE RCA’S OR LEVEL MATCHING CIRCUITS

• If your vehicle is equipped with a factory amplifier you can connect the RCA wiring to the low level outputs of your aftermarket radio, or connect the level matching circuits to the speaker outputs of the aftermarket radio.
• If your aftermarket radio does not have low level outputs, has only a single RCA output, or the RCA output level is 2 volts or less then it is recommended to connect the level matching circuit to the speaker outputs. If the volume does not go loud enough using the RCA connections, the level matching circuits can be used.
• The internal amplifier in some radios is not compatible with the level matching circuit. In these cases, there will be floor noise (hissing or buzzing at low levels) when the level matching circuit is connected. Change to the RCA connections to eliminate this noise.

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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- PURPLE - RR SPEAKER (+)
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CONNECT TO RADIO WITH HIGH LEVEL OUTPUT:
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- GRAY - RF SPEAKER (+)
- GRAY/BLACK - RF SPEAKER (-)
- GREEN - LR SPEAKER (+)
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- PURPLE/BLACK - RR SPEAKER (-)
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- BLUE/BLACK - AMP. TURN ON (-)
- BLACK - GROUND
- RED - ACCESSORY (+)
- YELLOW - 12V (+)
- ORANGE - ILLUMINATION (+)
- PURPLE/WHITE - REVERSE LIGHT (+)
- LTGREEN - E-BRAKE (-)
- YELLOW/BLACK - FOOT BRAKE

**STEP 2**
FACTORY RADIO HARNESS

**STEP 3**
OBDD CONNECTOR
- BROWN/RED - CANH
- BROWN/YELLOW - CANL
- TAN/BLACK
- TAN

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

**STEP 4**
CONNECT TO AFTERMARKET RADIO

**STEP 5**
CONNECT TO RADIO WITH LOW LEVEL OUTPUT:
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- BLACK - GROUND
- RED - ACCESSORY (+)
- YELLOW - 12V (+)
- ORANGE - ILLUMINATION (+)
- PURPLE/WHITE - REVERSE LIGHT (+)
- LTGREEN - E-BRAKE (-)
- YELLOW/BLACK - FOOT BRAKE

**NOTE:** WIRING DIAGRAM with an Amplifier.
WIRING DIAGRAM without an Amplifier

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

**FACTORY RADIO HARNESS**

**STEP 2**
- Connect to the aftermarket radio harness.
- Connect to the backup camera RCA cables.

**STEP 3**
- OBDII connector:
  - Brown/Red - CAN+ (NOT CONNECTED)
  - Brown/Black - Ground (NOT CONNECTED)
  - Brown/Yellow - CANL
  - Tan/Black (twisted wires)

**STEP 4**
- Main harness:
  - Red - Accessory (+)
  - Yellow - 12V (+)
  - Orange - Illumination (+)
  - Purple/White - Reverse Light (+)

**STEP 5**
- See radio wire reference chart for radio wire colors.

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

**WARNING:**
- Cut and remove the speaker wire junction connectors.

**CONNECT TO AFTERMARKET RADIO**
- Wires from vehicle.
- Data cable.
- Audio cables.
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