**Introduction**

- Design and specifications are subject to change without notice for improvement.

**To Ensure Safe Use, Always Follow These Precautions**

- The installation of this product requires specialized skills and experience. We recommend that you have the product installed by the store that you purchased it from.
- Before you use this product, be sure to carefully read this installation manual and the separate user’s manual so that you can use the product correctly. Alpine Electronics bears no responsibility for problems that arise as a result of failure to follow the instructions in the manuals.
- This manual includes a number of symbols that are intended to help you use the product safely, to prevent harm to you and others, and to protect against damage to property. These symbols and their meanings are listed below. Make sure you fully understand these symbols before you begin reading the main text.

**Explanations of Injury and Damage That May Result from Incorrect Use**

<table>
<thead>
<tr>
<th>Warning</th>
<th>Ignoring the content marked by this indication and using the product incorrectly is expected to lead to death or serious injury.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Caution</td>
<td>Ignoring the content marked by this indication and using the product incorrectly is only expected to lead to injury or property damage.</td>
</tr>
</tbody>
</table>
Types of Precautions

Forbidden
Indicates actions that are forbidden (must not be performed)

Mandatory
Indicates actions that are mandatory (must be performed)

Indicates that disassembly is forbidden.

Marks content that should receive your full attention.

Warning

Do not disassemble or modify the product. Doing so could lead to an accident, fire, or electric shock.

Store screws and other small objects where small children cannot reach them. If one of these small objects is swallowed, consult with a doctor immediately.

When replacing fuses, be sure to use fuses with the specified current rating. Failing to do so could lead to an accident or fire.

Only connect the product to a 12 VDC negative ground car. Failing to do so could lead to an accident or fire.

Before you begin wiring, remove the ground wire from the negative terminal of the battery. Failing to do so could lead to electric shock or injury.

Do not cut the insulation on a cord and take power from another device. Doing so could lead to fire or electric shock.

Do not install the product in a location where it will obstruct the driver’s forward view; interfere with the operation of the steering wheel, gearshift, or the like; or pose a threat to passengers. Doing so could lead to an accident or injury.

When making a hole in the vehicle body, be careful to avoid damaging pipes, the fuel tank, electrical wiring, and the like. This kind of damage could lead to an accident or fire.
When installing and grounding the product, do not use any of the bolts or nuts of the steering wheel, brakes, fuel tank, or the like. Doing so could make the brakes stop working or lead to fire.

Forbidden

Do not install the product near the passenger-side airbag. Doing so could interfere with the operation of the airbag and lead to an accident or injury.

Forbidden

Bundle cords so that they don’t interfere with driving. Wrapping cords around the steering wheel, gearshift, brake pedal, or the like, could lead to an accident or damage equipment.

⚠️ Caution

Connect the product properly according to the instructions. Failing to do so could lead to fire or an accident.

Forbidden

Do not sandwich cords between the seat railing or allow them to touch protrusions. Resulting breaks or shorts could lead to electric shock or fire.

⚠️

Do not block vents or heat sinks. Doing so could lead to fire or damage equipment.

⚠️

Use the accessories according to the instructions, and attach them securely. Failing to do so could lead to an accident or damage equipment.

Forbidden

Do not install the product where it may be exposed to water or in a place with high levels of humidity or dust. Doing so could lead to fire or damage equipment.

Forbidden

The installation and wiring of this product requires specialized skills and experience. Have the product installed and wired by the store that you purchased it from.

⚠️
## Accessory List

### Head Unit Box Parts (X009)

<table>
<thead>
<tr>
<th>Owner's Manual Disc</th>
<th>X009 Head Unit</th>
<th>X009 Camera Harness</th>
</tr>
</thead>
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<th>GPS Antenna</th>
<th>USB Extension Cable</th>
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<th>Quick Reference Guides</th>
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### iDatalink Maestro Box Parts (ALP-MRR V2.0/ALP-HRM-GM2 V2.1)

<table>
<thead>
<tr>
<th>Main Harness</th>
<th>Antenna Adapter</th>
<th>Chime Speaker</th>
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<tr>
<th>Maestro Module USB Flashing Cable</th>
<th>iDatalink Maestro Module</th>
<th>OBD II Adapter Cable</th>
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<td><img src="image" alt="Maestro Module USB Flashing Cable" /></td>
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### Installation Kit Parts (G-KTX-009-GM2)

<table>
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<tr>
<th>X009-GM2 Radio Bezel</th>
<th>Key Harness</th>
<th>Side Mounting Brackets</th>
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<tbody>
<tr>
<td><img src="image1.png" alt="Bezel" /></td>
<td><img src="image2.png" alt="Harness" /></td>
<td><img src="image3.png" alt="Bracket" /></td>
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</table>

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<th>4WD Rotary Switch Panel</th>
<th>Optional Button Extension Cable</th>
<th>HVAC Spacers</th>
</tr>
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<tbody>
<tr>
<td><img src="image4.png" alt="Switch Panel" /></td>
<td><img src="image5.png" alt="Extension Cable" /></td>
<td><img src="image6.png" alt="Spacers" /></td>
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<th>Cigarette Lighter Extension Cable</th>
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<th>4WD Rotary Switch Extension Cable</th>
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<tr>
<td><img src="image7.png" alt="Cigarette Lighter Extension" /></td>
<td><img src="image8.png" alt="USB/AUX Extension" /></td>
<td><img src="image9.png" alt="4WD Extension" /></td>
</tr>
</tbody>
</table>
Component Locations

GPS Antenna Location

Head Unit

Maestro Chime

Speaker Location

GPS Antenna Location

Maestro Chime

Speaker Location

Maestro Chime

Speaker Location
Factory Radio Removal Process

1 Remove the fuse panel cover.

2 Extract 2x Phillips screws, 1x 10mm bolt from the drivers side knee cover and unsnap it.

3 Extract 2x 9/32" - 7mm screws from the middle panel and unsnap it.

4 Extract 2x Phillips screws from instrument panel cover and remove it. Remove the radio bezel by unsnapping it.

5 Extract 6x 7/32" - 7mm screws from the factory radio/HVAC assembly and remove it.

6 Use a cutting tool to trim out the highlighted area as shown below.
Flashing the iDatalink Maestro Module

1  INSTALL THE WEBLINK PLUG-IN
   Go to: idatalinkmaestro.com/plugin and follow the installation steps.

Review the System Requirements before installing.

   If the plugin is already installed, the caution, “The plugin is already installed” appears. Please skip to step 2.

2  REGISTER A WEBLINK ACCOUNT
   Go to: idatalinkmaestro.com/register and complete the registration process.

   A confirmation email will be sent to you requiring validation.
   For existing customers, click log in.

3  CONNECT YOUR MAESTRO MODULE
   Use the included USB cable to connect your Maestro module to your PC.

   4  LOG INTO WEBLINK
      Go to: idatalinkmaestro.com/login.
      Enter your username and password, then click OK.

5  PROGRAM YOUR MODULE
    Follow the programming steps for your vehicle.

   For existing customers, click log in.

6  Once flashing is completed “FLASHING COMPLETED” will be displayed.
   Proceed to the next page to complete installation.
Installation Instructions

1. Connect the Maestro module to the X009 main harness.

2. Attach the chime speaker on the metal dash support to the right of the gas pedal.

3. Connect the X009-GM2 wire harness, antenna adapter and USB adapter to the factory radio harness and secure it.

4. Place the GPS antenna on the OEM GPS antenna location as illustrated and feed the cable to the radio cavity. Use the supplied metal base for the best signal strength.

5. Plug the OBDII connector to the port located under the driver side dashboard and run the wire extension to back of the headunit.

6. Remove and transfer the factory cigarette lighter socket, switch box, side pocket and vents to the X009-GM2 radio bezel.

7. If the vehicle is equipped with 4WD, use the 4WD rotary switch panel to mount the selector switch on the right pocket location of the X009-GM2 radio bezel.
Exploded-View Diagram

Parts assembly diagram for the X009-GM2 kit.

Side Mounting Bracket Assembly Procedure

Attach the left and right mounting brackets to the X009 source unit using 4 supplied M5x8 bolts on each side.
Wiring Installation Procedure

1. Connect and route the key unit harness as shown in the diagram below. Using a piece of tape secure it to the X009 source unit.

2. With the key harness run to the front, mount the source unit and HVAC spacers using the 7mm factory screws.

3. Connect the factory cigarette lighter and optional button extensions.
Trimming procedure for factory HVAC panel

The factory HVAC control needs to be trimmed to fit properly in the kit. Trim the top edges of the HVAC control as shown in the diagram below.
X009-GM2 System Wiring for All Non-Navigation Equipped Vehicles

Chime Speaker

To ODB II Connector 2-pin Black Connector

iDataLink MAESTRO Module

To Vehicle Connectors

USB Extension Cable

HDMI Input

GPS Antenna

To SXM (Not included)

X009 Head Unit

X009 Camera Harness

Camera Input

3.5 mm

Main Harness

18-pin Black Connector

3-pin Black Connector

4-pin Black Connector

4-pin Data Connector

Blue Power Antenna (Not used)

Blue/White Amp Turn-on Use only with aftermarket amplifiers

3-pin A Connector

10-pin Green Connector

10-pin Black Connector

4-pin Data Connector

To X009-GM Key Panel

X009 Power Harness

Green/White

Speed Pulse

3.5 mm

4-pin Data Connector

To ODB II Connector 2-pin Black Connector

X009 Camera Harness

Camera Input

USB Extension Cable

HDMI Input

GPS Antenna

To SXM (Not included)

X009 Head Unit

X009 Camera Harness

Camera Input

3.5 mm

4-pin Data Connector

To ODB II Connector 2-pin Black Connector

X009 Camera Harness

Camera Input

3.5 mm

4-pin Data Connector

To ODB II Connector 2-pin Black Connector

X009 Camera Harness

Camera Input

3.5 mm

4-pin Data Connector