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>Symbol</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>! Warning</td>
<td>Ignoring the content marked by this indication and using the product incorrectly is expected to lead to death or serious injury.</td>
</tr>
<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

<table>
<thead>
<tr>
<th>Forbidden</th>
<th>Indicates actions that are forbidden (must not be performed)</th>
<th>Mandatory</th>
<th>Indicates actions that are mandatory (must be performed)</th>
<th>Marks content that should receive your full attention</th>
</tr>
</thead>
</table>

⚠️ Warning

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

Forbidden

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.

Forbidden Mandatory

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

⚠️ Mandatory

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.

Forbidden

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.

Forbidden

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.

Caution

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

Caution

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>
<tbody>
<tr>
<td><img src="image1.png" alt="Disc" /></td>
<td><img src="image2.png" alt="Head Unit" /></td>
<td><img src="image3.png" alt="Camera Harness" /></td>
</tr>
<tr>
<td>AUX/Pre Out Harness</td>
<td>GPS Antenna</td>
<td>USB Extension Cable</td>
</tr>
<tr>
<td><img src="image4.png" alt="Harness" /></td>
<td><img src="image5.png" alt="Antenna" /></td>
<td><img src="image6.png" alt="Cable" /></td>
</tr>
<tr>
<td>8mm x 8 Screws</td>
<td>Quick Reference Guides</td>
<td>Registration Cards</td>
</tr>
<tr>
<td><img src="image7.png" alt="Screws" /></td>
<td><img src="image8.png" alt="Guides" /></td>
<td><img src="image9.png" alt="Cards" /></td>
</tr>
<tr>
<td>QRG Audio</td>
<td>QRG Navigation</td>
<td>Alpine Registration Card</td>
</tr>
<tr>
<td>NAVTEQ Registration Card</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### iDatalink Maestro Box Parts (ALP-MRR V2.0/ALP-HRN-TND V2.0)

<table>
<thead>
<tr>
<th>Main Harness</th>
<th>Factory Camera Adapter Harness</th>
<th>Factory Amplified System Adapter</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image10.png" alt="Harness" /></td>
<td><img src="image11.png" alt="Adapter Harness" /></td>
<td><img src="image12.png" alt="Adapter" /></td>
</tr>
<tr>
<td>OBDII Adapter cable</td>
<td>Module USB Flashing Cable</td>
<td>iDatalink Maestro Module</td>
</tr>
<tr>
<td><img src="image13.png" alt="Adapter Cable" /></td>
<td><img src="image14.png" alt="Module Cable" /></td>
<td><img src="image15.png" alt="Module" /></td>
</tr>
</tbody>
</table>
## Installation Kit Parts (G-KTX-009-TND)

<table>
<thead>
<tr>
<th>X009-TND Radio Bezel</th>
<th>Key Harnesses</th>
<th>Side Mounting Brackets</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image1" alt="X009-TND Radio Bezel" /></td>
<td><img src="image2" alt="Key Harnesses" /></td>
<td><img src="image3" alt="Side Mounting Brackets" /></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>USB/HDMI Extension Connector</th>
<th>Microphone</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image4" alt="USB/HDMI Extension Connector" /></td>
<td><img src="image5" alt="Microphone" /></td>
</tr>
</tbody>
</table>
Component Locations

- GPS Antenna Location
- Head Unit
- Microphone Location
- GPS Antenna Location
Factory Unit Removal Process

1. Remove the door sill and kick panels.

2. Extract 2x 10mm bolts at the bottom of the knee cover panel and unsnap it.

3. Unplug the left and right instrument panel cover harness and unsnap it.

4. Remove the cigarette lighter panel using a panel removal tool.

5. Remove the HVAC control unit using a panel removal tool.

6. Remove the factory radio by extracting 4x 10mm bolts on the lower side.
Programming 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.

   ![Image of iDatalink Maestro Module](image1)

   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.

   ![Image of WebLink Registration](image2)

   For existing customers, click “log in”.

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

   ![Image of Connecting Maestro Module](image3)

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

   ![Image of Logging into WebLink](image4)

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

   ![Image of Programming Module](image5)

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

1. Connect the Maestro Module to the main harness.

2. Using a cutting tool, trim the marked gray area. (This will allow for the X009 to sit high enough on the dash)

3. Connect the main harness to the factory harness and secure it.

4. Remove the center top dash cover using a panel removal tool. Place GPS antenna as illustrated and feed the cable down to the X009.

5. Mount the microphone using the included clip and run the cable to the radio cavity.

6. Plug the OBDII connector cable into the OBDII port below the driver side dash and run the extension to the headunit cavity.
Installation Instructions

1. Attach the side brackets using the provided screws.

2. Connect the USB/HDMI extension and run it to the HVAC location.

3. With the key harness ran below the head unit, mount the head unit using the 4x 10mm factory bolts.

4. Connect the X009-TND radio bezel and press it into place.

5. Press the HVAC and other panels into place.
Exploded-View Diagram

- X009 Head Unit
- X009-TND Radio Bezel
- OEM/HVAC Switch Panel Assembly
- OEM/HDMI Port
- Side Mounting Bracket

Bezel Wiring Diagram

- 8-pin to 8-pin
- 8-pin to 20-pin
- Microphone Input for BT Hand Free
X009-TND Camera, Amplified and Navigation Equipped System Wiring

**OEM Camera adapter for navigation equipped vehicles**

**OBDII Extension Cable**

**Factory Camera Adapter Harness**

**To Vehicle Connectors**

<table>
<thead>
<tr>
<th>OEM</th>
<th>Aftermarket</th>
</tr>
</thead>
<tbody>
<tr>
<td>White (Ground)</td>
<td>Black</td>
</tr>
<tr>
<td>Black (Power 5V+)</td>
<td>Green/Yellow</td>
</tr>
<tr>
<td>Gray (Video -)</td>
<td>Brown</td>
</tr>
<tr>
<td>Red (Video +)</td>
<td>Yellow</td>
</tr>
</tbody>
</table>

**2-pin Black Connector**

**2-pin White Connector**

**18-pin Black Connector**

**3.5mm Aux 3 /iPod Video**

**3.5mm iDatalink Audio**

**3.5mm Aux 3 /iPod Video**

**USB Extension Cable**

**HDMI Input**

**GPS Antenna**

**To SXM (not included)**

**Factory Rearview Camera**

**X009 Camera Harness**

**3.5mm iDatalink MAESTRO Module**

**Main Harness**

**X009 Head Unit**

**X009 Key Panel**

**3.5mm Aux 3 /iPod Video**

**Blue Power Antenna**

(Not used)

**Blue/White Amp Turn-on**

Use only with aftermarket amplifiers.