FORD F-150
X009-FD2 9”
Installation Manual
● Model: Full Size Truck
● Model Year: 2013–2014
(Compatible with 4.2” screen MyFord® equipped models only.)

<table>
<thead>
<tr>
<th>Model</th>
<th>Year</th>
</tr>
</thead>
<tbody>
<tr>
<td>FORD F-150</td>
<td></td>
</tr>
<tr>
<td>XLT</td>
<td>2013- 2014</td>
</tr>
<tr>
<td>FX2</td>
<td>Not compatible with 8” MyFord Touch® equipped vehicles.</td>
</tr>
<tr>
<td>FX4</td>
<td></td>
</tr>
<tr>
<td>SVT RAPTOR</td>
<td></td>
</tr>
</tbody>
</table>

* The specified vehicles have been tested and have met compatibility specs at the time of testing. Compatibility is not guaranteed if the manufacturer has made production changes to the listed vehicles above.

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

| Warning | Ignoring the content marked by this indication and using the product incorrectly is expected to lead to death or serious injury. |
| Caution | Ignoring the content marked by this indication and using the product incorrectly is only expected to lead to injury or property damage. |
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>
</tr>
</thead>
<tbody>
<tr>
<td>Forbidden</td>
<td>Indicates that disassembly is forbidden.</td>
<td>Warning</td>
<td>Marks content that should receive your full attention.</td>
</tr>
</tbody>
</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.

Warning

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.

Warning

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.

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.

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.

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

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.

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.

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" alt="Owner's Manual Disc" /></td>
<td><img src="image2" alt="X009 Head Unit" /></td>
<td><img src="image3" alt="X009 Camera Harness" /></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>AUX/Pre Out Harness</th>
<th>GPS Antenna</th>
<th>USB Extension Cable</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image4" alt="AUX/Pre Out Harness" /></td>
<td><img src="image5" alt="GPS Antenna" /></td>
<td><img src="image6" alt="USB Extension Cable" /></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>8mm x 8 Screws</th>
<th>Quick Reference Guides</th>
<th>Registration Cards</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image7" alt="8mm x 8 Screws" /></td>
<td><img src="image8" alt="Quick Reference Guides" /></td>
<td><img src="image9" alt="Registration Cards" /></td>
</tr>
</tbody>
</table>

### Audio
- QRG
- QRG

### Navigation
- Alpine Registration Card
- NAVTEQ Registration Card

### iDatalink Maestro Box Parts (ALP-MRR V2.0/ALP-HRN-FD2 V2.0)

<table>
<thead>
<tr>
<th>Main Harness</th>
<th>Antenna Adapter</th>
<th>Factory Camera Harness</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image10" alt="Main Harness" /></td>
<td><img src="image11" alt="Antenna Adapter" /></td>
<td><img src="image12" alt="Factory Camera Harness" /></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>SAT Radio Antenna Adapter</th>
<th>Maestro USB Flashing Cable</th>
<th>iDatalink Maestro Module</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image13" alt="SAT Radio Antenna Adapter" /></td>
<td><img src="image14" alt="Maestro USB Flashing Cable" /></td>
<td><img src="image15" alt="iDatalink Maestro Module" /></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>3 Pin HVAC Connector</th>
<th>4 Pin HVAC-Maestro Cable</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image16" alt="3 Pin HVAC Connector" /></td>
<td><img src="image17" alt="4 Pin HVAC-Maestro Cable" /></td>
</tr>
</tbody>
</table>
### Installation Kit Parts (G-KTX-009-FD2)

<table>
<thead>
<tr>
<th>Part Description</th>
<th>Diagram</th>
</tr>
</thead>
<tbody>
<tr>
<td>X009-FD2 Radio Dash Bezel</td>
<td><img src="image1.png" alt="Radio Dash Bezel Diagram" /></td>
</tr>
<tr>
<td>Key harness</td>
<td><img src="image2.png" alt="Key Harness Diagram" /></td>
</tr>
<tr>
<td>Side Mounting Brackets</td>
<td><img src="image3.png" alt="Side Mounting Brackets Diagram" /></td>
</tr>
<tr>
<td>HDMI/USB Extension Cable</td>
<td><img src="image4.png" alt="HDMI/USB Extension Cable Diagram" /></td>
</tr>
<tr>
<td>Media Port Plate</td>
<td><img src="image5.png" alt="Media Port Plate Diagram" /></td>
</tr>
</tbody>
</table>
Component Locations

Maestro Module Location

- GPS Antenna
- Head Unit
- Maestro Module

GPS Antenna Location

- Head Unit Maestro Module

Ford F-150
FULL SIZE TRUCK
6/12
Factory unit disassembly process

1. On the passenger side of the vehicle, open the glove box and push the side tabs towards each other to release the glove box. Extract 3 x 8 mm (may also be 3 x 10 mm) bolts to release the airbag.

2. Without disconnecting the airbag push it out far enough to expose the copper plated 7 mm screw on the left side of the airbag and extract it.

3. Remove the instrument cluster cover by extracting 2 x 7 mm screws.

4. Remove both side vent covers using a panel remover tool.

5. Remove the radio bezel by extracting 2 x 7 mm screws from the top and 2 x 7 mm screws from the bottom.

6. Extract 8 x 7 mm screws from the factory display/radio and remove both.
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.

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.

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.

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

1. Attach the Maestro module to the X009-FD2 main harness.

2. Connect and secure the main harness, antenna adapter and HVAC connector to the factory harness.

3. Remove rubber screw cover from the center dash plate and extract 2 x 7 mm screws. Place GPS antenna as illustrated and feed the cable down to the radio cavity.

4. Plug the OBDII cap on to the OBDII port below the driver side dash and run the extension to the radio cavity.
Installation Instructions

1. Attach the brackets using the provided screws.

2. Replace the OEM Sync media plate with the new media plate and run the extension cable to the radio cavity.

3. Run the Key harness, 4 pin HVAC-Maestro cable and 3 pin HVAC connector under the head unit and mount it using 4 x 7mm factory screws.

4. Connect the key harness, 4 pin HVAC-Maestro cable and 3 pin HVAC connector to X009-FD2 radio bezel.

5. Mount X009-FD2 radio bezel using 4 x 7mm factory screws.
Exploded-View Diagram

Parts assembly diagram for the X009-FD2 kit.

- Left bracket
- X009 AVN Unit
- X009 Radio Dash Bezel
- Right bracket
- Media Port Plate
X009-FD2 System Wiring

To Vehicle Connectors

Factory Camera Harness (Connect to OEM display harness on vehicles without rearview mirror LCD.)

To ODB II

To HVAC Control Unit
(4-pin Red Connector)

To ODB II
(2-pin Black Connector)

Blue Power Antenna
(Not used)

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

Add HDMI/USB Extension Connector

USB Extension Cable

GPS Antenna

iDataRlink MAESTRO Module

Main Harness

HDMI Input

Aux/Pre-out Harness

X009 Head Unit

X009-FD2 Key Panel

X009-FD2 System Wiring

Power Harness

Green/White

Speed Pulse

Camera Input

3.5 Mini plug

Power Harness

iDataRlink MAESTRO Module

Main Harness

HDMI Input

Aux/Pre-out Harness

X009 Head Unit

X009-FD2 Key Panel

X009-FD2 System Wiring

Power Harness

Green/White

Speed Pulse

Camera Input

3.5 Mini plug