## * IMPORTANT WARNING

THIS PRODUCT INCLUDES INSTRUCTIONS FOR INSTALLATION WHICH MUST BE CAREFULLY FOLLOWED. THE INSTRUCTIONS ARE WORDED IN SUCH A MANNER TO ASSUME THAT THE INSTALLER IS CAPABLE OF COMPLETING THESE TYPE OF ELECTRONIC INSTALLATIONS. IF YOU ARE UNCLEAR AS TO WHAT YOU ARE INSTRUCTED TO DO OR BELIEVE THAT YOU DO NOT UNDER-STAND THE INSTRUCTIONS SO AS TO PROPERLY AND SAFELY COMPLETE THE INSTALLATION YOU SHOULD CONSULT A TECHNICIAN WHO DOES HAVE THIS KNOWLEDGE AND UNDERSTANDING. **FAILURE TO FOLLOW THESE INSTRUCTIONS CAREFULLY AND TO INSTALL THE INTERFACE AS DESCRIBED COULD CAUSE HARM TO THE VEHICLE OR TO SAFETY SYSTEMS ON THE VEHICLE. INTERFERENCE WITH CERTAIN SAFETY SYSTEMS COULD CAUSE HARM TO PERSONS AS WELL. IF YOU HAVE ANY QUESTIONS IN THIS REGARD PLEASE CALL THE HELP LINE OR THE METRA AT 1-800-221-0932 FOR ASSISTANCE.**

# XIAH-FD1

### INSTALLATION INSTRUCTIONS

*\* READ IMPORTANT WARNING ON PAGE 1 BEFORE ATTEMPTING ANY INSTALLATION*

*• SEE APPLICATIONS LIST INSIDE •*

The XiA connects an iPod and a XM receiver with a display module to an OEM radio allowing control of the iPod or the XM receiver through the radio buttons. This manual is specifically for Ford/Lincoln/Mazda/Mercury OEM Radios and the XiA-D01 Interface installed in-vehicle along with either or a combination of an iPod, an external XM Receiver, or an AUX in. The XiA Interface Unit emulates an OEM CD Changer or an external Satellite Receiver, and on installation replaces either one. In vehicles that are not equipped for the OEM Satellite Receiver, the XiA Adapter should be setup to emulate the CD Changer.

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*1-800-221-0932*          *www.metraonline.com*

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# APPLICATIONS

**FORD**

| | |
|---|---|
| Crown Victoria | 1998-2007 |
| Econoline Van | 1998-2004 |
| Escape | 2001-2007* |
| *(Without amplified system) | |
| Escort | 1997-2004 |
| Excursion | 2000-2005 |
| Expedition | 1999-2003* |
| *(Early production) | |
| Explorer | 1998-2005 |
| F-150 | 1998-2004 (Old Body) |
| Mustang | 2001-2003 |
| Ranger | 1998-2007 |
| Thunderbird | 2002-2003 |
| Windstar | 1999-2003 |

**LINCOLN**

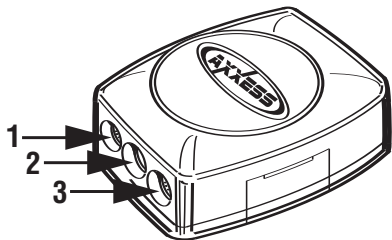| | |
|---|---|
| Aviator | 2003 |
| Continental | 1998-2002 |
| LS | 2000-2003 |
| Navigator | 1999-2003 |
| Town Car | 1998-2002 |

**MAZDA**

| | |
|---|---|
| B Series Pick Up | 1997-2007 |

**MERCURY**

| | |
|---|---|
| Grand Marquis | 1998-2002 |
| Mountaineer | 1999-2005 |

# INTRODUCTION

The Ford OEM Radios vary in what buttons they have. This manual covers as many buttons as possible. The Radio connected to the XiA Unit, most likely, will not have all the buttons listed in this document. However, the definitions of the buttons displayed on the radio will still be valid.

# PORT OVERVIEW

**1)** This port is used with the optonal XIA-LCD display.

**2)** This port is used with the XM cable XIAH-XMC or the AUX IN cable XIAH-RCA.

**3)** This port is used with the iPOD cable XIAH-IPC or the AUX IN cable XIAH-RCA.

# CABLE HARNESS PREPARATION

Various Cable Harnesses have been developed for the Ford Application that provides the capability of having the XiA emulate either an OEM CD Changer or OEM Satellite Receiver depending on the vehicle model and year. In vehicles that are not equipped for Satellite Receiver operation, the XiA Adapter must be arranged for CD Changer emulation. This is accomplished by removing a jumper wire in the Cable Harness. Looking at the Cable Harness, locate the white 20-pin connector (J1, 2x10) and the jumper wire (White) between J1 Pins 7 and 17.

Cut this jumper wire, and store it away with insulating tape. Once this is done, the board will emulate an OEM external CD Changer.

If the XiA Adapter unit is working with a radio that supports ACP protocol and is Satellite ready, no modification to the cable harness is required.

# WIRING CONNECTIONS

Connect the Yellow wire coming off the 20 pin Molex connector to a 12 volt (+) constant battery wire which can be found in the OEM radio harness. Be sure to use a multimeter to verify the 12 volt (+) constant battery wire. Connect the Black wire to coming off the 20 pin Molex connector to a ground. There is a ground wire in the OEM radio harness, use a multimeter to verify, or you can connect the Black wire to a metal brace in the dash.

# POWERING UP THE XIA UNIT

When the unit is first connected to the car battery, the installer must cycle the radio "on" & "off" at least 3 times, pausing each time for about 6 seconds. This is required for the unit to synchronize with the external equipment such as iPod and XM Tuner.

# RADIO OPERATION

To use the iPod or the XM Receiver after installing the XiA Adapter, turn the radio "on" and push the "Tape," "CD," or "Mode" button. The iPod or XM Receiver---depending on which is connected---begins to play through the radio speaker system. Once this is done, use the arrow keys to advance to the next track (or station) or to the previous track track (or station). The next section describes the button operations when listening to either iPod or Satellite Radio.

# LCD DISPLAY UNIT

The LCD Display Unit (XIA-LCD) connects to the XiA Adapter Unit to provide visual display information from iPod or Satellite Receiver---the active device at the moment. This unit is particularly important in XiA applications where the OEM Radio does not have a digital display to show the information obtained from the active device.

# RADIO BUTTON CONTROL

### Control For CD Changer Mode

| Button | Description of Function |
|---|---|
| CD/Tape Button | Selects either **iPod Mode** or **XM Mode** by toggling between the two. If iPod was the previous device that was playing, them XM Receiver is selected. |
| Mode | Selects the next device. If iPod was the previous device that was playing, them XM is selected as the next device. |
| FM/AM Button | Deselects XM mode or iPod mode. |
| SEEK > | The right arrow button goes one track up in iPod mode or one channel up in XM mode. |
| <SEEK | The left arrow button goes one track down in iPod mode or one channel down in XM mode. |
| Scan | In XM and iPod modes, this button scans though channels or stations. |
| <<CD (1) | In iPod mode, Button 1 advances to the previous playlist of music. In XM mode, Button 1 goes to the last station of the previous category. |
| CD>> (2) | In iPod mode, Button 2 advances to the next playlist of music. In XM mode, goes to the first station in the next category. |
| Shuffle (6) | In iPod mode, this Button shuffles the songs in the current playlist. In XM it has no effect. |