



**\* IMPORTANT WARNING**

THIS PRODUCT INCLUDES INSTRUCTIONS FOR INSTALLATION WHICH MUST BE CAREFULLY FOLLOWED. THE INSTRUCTIONS ARE WRITTEN 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 UNDERSTAND 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.**

**AHDH-FD1**

**INSTALLATION INSTRUCTIONS**

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

**• SEE APPLICATIONS LIST INSIDE •**

The AHDH-FD1 is to be used along with the AHDT-01 HD Tuner and the AHDI-D01 domestic HD interface (all sold separately). An iPod may also be connected by using the XIAH-IPC iPod cable (sold separately). The OEM radio will control the functions of the HD Tuner and the iPod through the buttons on the radio. Also for those radios that do not display text, the XIA-LCD display screen (sold separately), may be added to display the HD and iPod text information. The AHDI-D01 will emulate a factory CD changer.

The Ford radios vary in what buttons they have. This manual covers as many buttons as possible. The factory radio most likely will not have all the buttons listed, however, the definitions of the buttons displayed on the radio will still be valid.





## AHDH-FD1

### 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

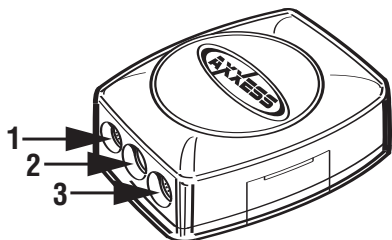
#### MERCURY

Grand Marquis 1998-2002

Mountaineer 1999-2005

### PORT OVERVIEW

- 1) This port is used with the optional XIA-LCD display.
- 2) This port is used with the HD cable included with AHDT-01 tuner.
- 3) This port is used with the iPod cable XIAH-IPC or the AUX IN cable XIAH-RCA.



### AHDH-FD1

### PREPARATION AND CONNECTIONS

The AHDH-FD1 has been developed for the Ford OEM radios that provide the capability of having the AHDI-D01 emulate an OEM CD Changer depending on the vehicle model and year. The AHDH-FD1 cable must be arranged for CD Changer emulation. This is accomplished by removing a jumper wire in the Cable Harness. Looking at the AHDH-FD1, locate the 20-pin connector and the white jumper wire 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.

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 HD INTERFACE

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 HD Tuner.

### RADIO OPERATION

To use the iPod or the HD Receiver after installing the AHDI-D01, turn the radio "on" and push the "Tape," or "CD" button. The iPod or HD 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/station or to the previous track/station. The next section describes the button operations when listening to either iPod or HD Radio.

### SECTION 2:

### RADIO BUTTON CONTROL

#### Controls For Factory Radio

##### Button

##### Description of Function

##### ON/OFF

Turns the radio off & on. When the CD changer mode is selected, turning the radio off & on is the only way of changing into the next mode & selects the next device. It will scroll through Analog AM & FM and then the current SAT device. The current SAT device will alternate between HD-AM and HD-FM. If an iPod is attached, then it will alternatively be chosen in the following order:

HD-AM > iPod > HD-FM > iPod

##### SEEK

Seeks up & down the HD stations while in HD mode. In iPod mode this will go to the next & previous song in the playlist or to the next & previous playlist depending on the CATEGORY setting. In iPod browse mode these buttons scroll up & down through the available selections.

##### SCAN

Scans up through the channels in HD and scans through the songs in iPod mode

##### CD (1) Preset

In iPod mode, advances to the previous playlist.

##### CD (2) Preset

In iPod mode, advances to the next playlist

##### CD (6) Preset

In iPod mode, shuffles songs in current playlist.