



## FORD SYNC INTERFACE

# AFSI-01 SYNC INTERFACE INSTALLATION INSTRUCTIONS

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

The AFSI-01 is designed to retain the features of the Ford Sync system allowing for the replacement of the non-navigation factory radio. Included with the AFSI-01 is a LCD display to show the Sync system status and text information that is normally displayed on the factory radio. The AFSI-01 does not alter how the Ford Sync system operates, however the AFSI-01 will provide a 12-volt accessory with the retained accessory power (R.A.P.) feature, illumination, and for those radios that have built in navigation, parking brake, reverse, and speed sense (VSS) outputs.

***NOTE:*** Please read the Ford Sync manual that is provided with your vehicle on how to operate the Ford Sync system. The AFSI-01 does not alter the way the Ford Sync system operates, or the buttons that are used.

***NOTE:*** For proper Sync operation the aftermarket radio to be installed **must** have an auxiliary audio input.

***NOTE:*** The volume control on the steering wheel will still control the volume of the phone and voice prompts. If you want the volume control on the steering wheel to control the aftermarket radio, the use of the Axxess ASWI-X or radio specific interface like the ASWI-PS, ASWI-ECL2, or ASWI-JACK (all sold separately) would be required.



1-800-221-0932



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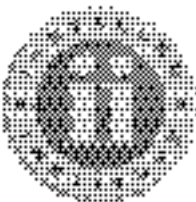


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**\* IMPORTANT WARNING**

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.**



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## APPLICATION NOTES

- \* *Vehicles with OEM Navigation or THX audio sound systems are not supported.*
- \* *If your vehicle is equipped with the Audiophile sound system, which includes the sub woofer, you will need the Metra 70-5522 sub plug and the AFDI-5V 5 volt step down interface.*

## APPLICATIONS

### **FORD**

- Edge (w/o navigation) 2008-2010
- Explorer 2008-2010
- Explorer Sport Trac 2008-2010
- Fusion 2007-2009
- Taurus 2008-2009
- Taurus X 2008-2009

### **LINCOLN**

- MKX (w/o navigation) 2008-2010
- MKZ (w/o navigation) 2008-2010

### **MERCURY**

- Milan 2008-2010
- Mountaineer 2008-2010
- Sable 2008-

## INTERFACE COMPONENTS (See drawing on page 5)

- AFSI-01 Interface
- 16 pin AFSI-01 to 20 pin Ford harness and 16 pin Sync audio harness
- 14 pin AFSI-01 to radio harness
- Auxiliary text display



## TOOLS REQUIRED FOR INSTALLATION

- Wire Connectors (Butt connectors, bell caps, etc...)
- Wire cutters
- Wire strippers
- Crimping tool
- Electrical tape

## WIRING CONNECTIONS

***Important: Before beginning any of the following, disconnect the negative battery terminal to prevent an accidental short circuit.***

### **1. Connections for the 14 pin radio harness:**

Connect the **Red** wire to the ignition/accessory wire of the radio.

Connect the **Blue/White** wire to the amp turn on wire of the radio.

Connect the **Orange/White** wire to illumination wire of the radio. If the radio does not have an illumination input, be sure insulate the **Orange/White** wire with electrical tape to prevent any short circuits.

Connect the **Grey** wire to the positive right front speaker output of the radio.

Connect the **Grey/Black** wire to the negative right front speaker output of the radio.

Connect the **White** wire to the positive left front speaker output of the radio.

Connect the **White/Black** wire to the negative left front speaker output of the radio.

Connect the **Brown** wire to the mute wire of the radio. If the radio does not have a mute wire, just tape up the **Brown** wire to prevent a short circuit.

### **If installing a navigation radio use the following connections on the 14 pin radio harness:**

Connect the **Lt. Green** wire to the parking brake wire of the navigation radio.

Connect the **Blue/Pink** wire to the VSS/Speed Sense wire of the navigation radio.

Connect the **Green/Purple** wire to the reverse wire of the navigation radio.

**When complete, insert the 14 pin harness into the AFSI-01.**

### **2. Connections for the 16 pin AFSI-01 to 20 pin Ford harness and Sync audio harness:**

Connect the **Yellow** wire to the 12 volt battery wire of the radio.

Connect the **Blue** wire to the antenna turn on wire of the radio.

Connect the **Purple** wire to the positive right rear speaker output of the radio.

*Continued on page 4.*



Connect the **Purple/Black** wire to the negative right rear speaker output of the radio.

Connect the **Green** wire to the positive left rear speaker output of the radio.

Connect the **Green/Black** wire to the negative left rear speaker output of the radio.

Connect the **RCA cable** from the **Sync audio harness** to the **auxiliary input** of the radio.

**When complete, insert the 16 pin harness into the AFSI-01.**

**3.** Find a suitable location to mount the auxiliary text display. Be sure it is somewhere easy to view and away from any obstructions. Run the cable of the auxiliary text display to the DIN port on the side of the AFSI-01 interface that has the 14 way connector on it. (See drawing on page 5)

### TO RETAIN SYNC VOICE PROMPTS WHEN INSTALLING AFTERMARKET AMPLIFIERS

The AFSI-01 uses the front speakers for the voice prompts from the Sync system, however when installing aftermarket amplifiers to the front speaker, the voice prompts are lost. An external speaker like Metra's SP-2003 or any other 4-8 ohm speaker would be needed in order to hear the Sync voice prompts again. Follow the steps below to add the speaker:

1. With the vehicle off cut the **White, White/Black, Gray, and Gray/Black** wires in half between the 16 way Molex connector and the 24 way vehicle connector.

2. If running your own speaker wires from the front speakers to the aftermarket amplifier tape the **White, White/Black, Gray, and Gray/Black** wires coming from the 24 way vehicle harness as these will not be used.

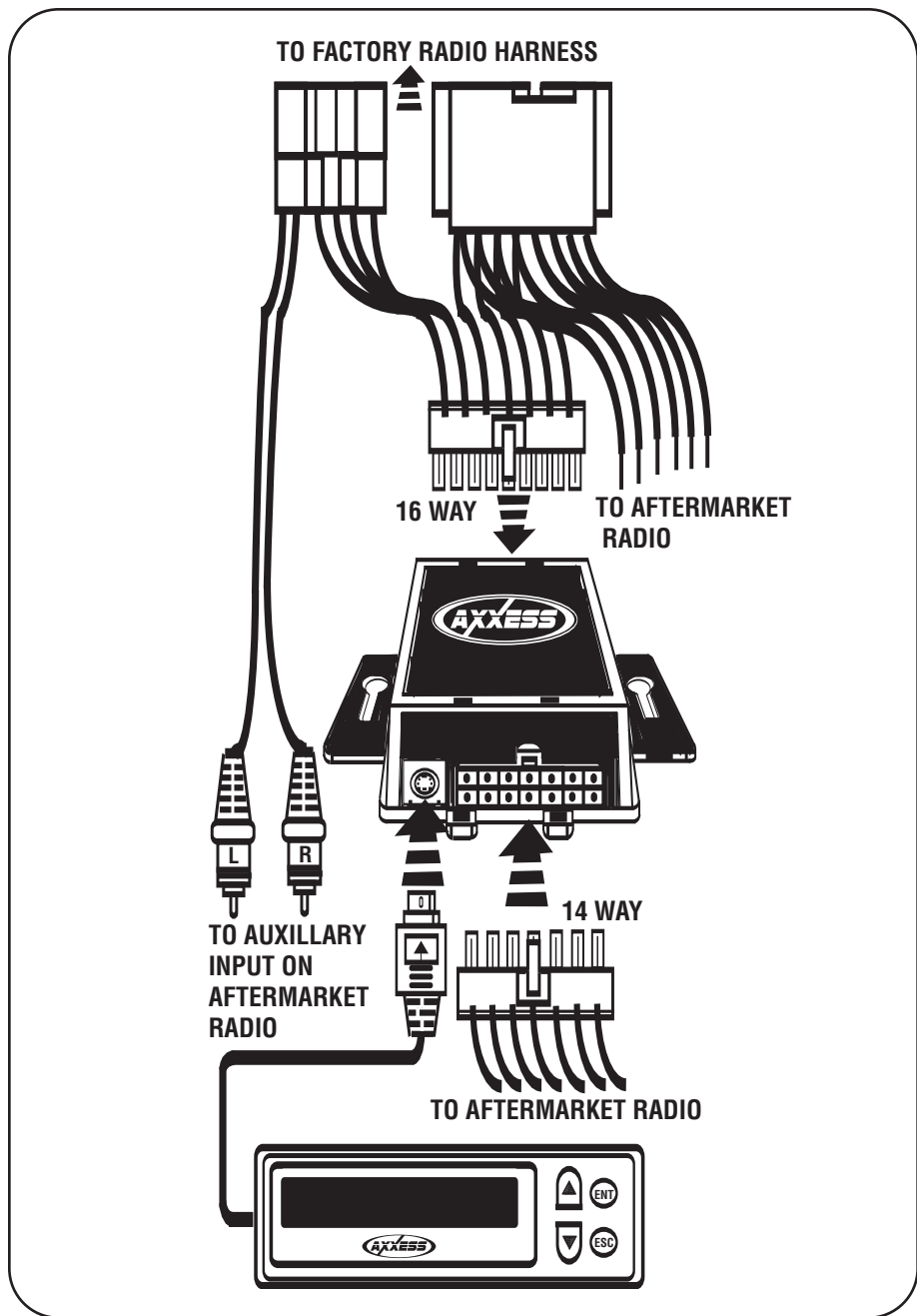
3. If using the factory wires to connect the front speakers to the aftermarket amplifier, connect the **White, White/Black, Gray, and Gray/Black** wires coming from the 24 way vehicle harness to the aftermarket amplifiers speaker outputs.

4. Connect the **White/Black** and **Gray** wires coming from the 16 way Molex connector together either by butt-connector, bell caps, or soldering and protect with electrical tape.

5. Connect the **White** wire from the 16 way Molex connector to the speakers (+) speaker wire.

6. Connect the **Gray/Black** wire from the 16 way Molex connector to the speakers (-) speaker wire.

Now all the voice prompts from Sync will come from the speaker, and the Sync operation will still be the same.





## INSTALLING THE AFSI-01

1. Reconnect the negative battery terminal.
2. Connect the 20 pin Ford and Sync audio harnesses to the appropriate vehicle harnesses.
3. Connect the radio to be installed to its appropriate harness.
4. Cycle the ignition by turning the ignition key to the on position, off, and then on again.

## OPERATING THE AFSI-01

### **Follow the operating instructions for the Sync system that is supplied with the vehicle.**

\* To listen to audio connected to the Sync's USB port, the radio must be in "Aux Input" mode (see your radio's operation manual for details), and the Sync system must be in USB mode. Once the Sync command is chosen the radio will turn back on and play the audio.

\*To exit USB mode and listen to another audio source, press the steering wheel control's MEDIA button. If your vehicle is not equipped with a MEDIA button, press the ESC button on the Text Display. This will pause the USB player and exit Sync. You can now select another audio source, such as CD, on the aftermarket radio using the appropriate controls (*see your radio's operation manual for details*).

\* When the Sync system is activated, the aftermarket radio will either turn off or mute, however the audio of the voice prompts or cell phone audio will be heard through the front speakers.

\* If a phone call is chosen the radio will remain off or muted until the phone call has ended. If the radio remains off after the phone operation, be sure to press and hold the phone button on the steering wheel.

\* If a phone call comes in, the AFSI-01 will shut off or mute the radio to allow the user to answer or deny the call.

\*To adjust volume levels of the Sync voice or phone call, use the steering wheel volume controls. If your vehicle is not equipped with steering wheel volume controls, the volume level can be adjusted using the Text Display's up and down arrow buttons.

\*Any text information such as phone number or caller ID can be seen on the Text Display. Use the Text Display's ENT button to scroll the text if needed.

# **AFSI-01 INSTRUCTIONS**



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