Ford **RSE/SYNC/THX retention interface**
2007-up*

*Visit **AxxessInterfaces.com** for up-to-date vehicle specific applications.

INTERFACE COMPONENTS

• AX-ADFD100 interface
• 16-pin harness with stripped leads
• LD-AX-ADFD02 harness • LD-AX-ADFD02 harness

TOOLS REQUIRED

• Crimping tool and connectors, or solder gun, solder, and heat shrink • Tape
• Wire cutter • Zip ties

CAUTION! All accessories, switches, climate controls panels, and especially air bag indicator lights must be connected before cycling the ignition. Also, do not remove the factory radio with the key in the on position, or while the vehicle is running.

INTERFACE FEATURES

• Provides accessory power (12-volt 10-amp)
• Maintains the retained accessory power (R.A.P.) feature
• Can be used in both non-amplified and amplified models (including SONY/THX)
• Provides NAV outputs (parking brake, reverse, speed sense)
• Pre-wired ASWC-1 harness (ASWC-1 sold separately)

• Retains OE Bluetooth
• Retains the factory AUX-IN jack
• Retains SYNC
• Retains balance and fade (excluding Sony/THX)
• Micro "B" USB updatable

APPLICATIONS

See inside front cover

FORD

Econoline (without NAV)	2014-up
Edge	2007-2010
Escape	2008-2012
Expedition	2007-2014
Explorer	2008-2010
Explorer Sport Trac	2008-2010
F-150	2009-2012
F-250/350/450/550	2011-2012
Focus	2008-2011
Fusion	2008-2012
Mustang	2010-2014
Taurus (w/ Sync or Sony)	2008-2012
Taurus X (w/ Sync or Sony)	2008-2009

LINCOLN

MKX	2007-2010
MKZ	2007-2009
Navigator	2007-2014

MERCURY

Mariner	2008-2011
Milan	2008-2011
Mountaineer	2008-2010
Sable (with Sync or Sony)	2008-2009

LD-AX-ADFD01 vehicle applications

From the 16-pin harness with stripped leads to the aftermarket radio:

- Connect the **Red** wire to the accessory wire.

  Note: If installing either an ASWC-1 or AX-LCD (both sold separately), connect the (2) **Red** wires on the LD-AX-ADFD01 harness as well.

- Connect the **Orange/White** wire to the illumination wire. If the aftermarket radio does not have an illumination wire, tape off the **Orange/White** wire.

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

- Connect the **Brown** wire to the mute wire. If the aftermarket radio does not have a Mute wire, tape up the **Brown** wire.

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

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

- Connect the **Gray** wire to the right front positive speaker output.

- Connect the **Gray/Black** wire to the right front negative speaker output.

Only make the following connections if the vehicle contains the SONY/THX amplified system.

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

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

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

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

The following wires are for the aftermarket radios that have navigation built in.

- Connect the **Light Green** wire to the parking brake wire.
- Connect the **Blue/Pink** wire to the VSS or speed sense wire.
- Connect the **Green/Purple** wire to the reverse wire.

From the LD-AX-ADFD01 harness to the aftermarket radio:

- Connect the **Black** wire to the ground wire.
- Connect the **Yellow** wire to the battery wire.
- If installing either an ASWC-1 or AX-LCD (both sold separately), connect the (2) **Red** wires to accessory power.
- Connect the **Blue** wire to the antenna turn-on wire.

  Note: Only perform the following step for the Ford Expedition.

- Connect the **Blue/White** wire to the amp turn-on wire (if populated on factory side).

These wires are to be connected if the vehicle does not have the SONY/THX system.

- Connect the **Violet** wire to the right rear positive wire.
- Connect the **Violet/Black** wire to the right rear negative wire.
- Connect the **Green** wire to the left rear positive wire.
- Connect the **Green/Black** wire to the left rear negative wire.

- Connect the RCA jacks labeled "RSE/SYNC/SAT" to the audio AUX-IN jacks on the aftermarket radio (if retaining rear seat entertainment, SYNC, or satellite radio).

  Note: Most Ford radios have SAT built in, so this feature is lost if so.

- Connect the RCA jacks labeled "From 3.5" to the audio AUX-IN jacks on the aftermarket radio (if SYNC is not present).
- If the vehicle is equipped with a factory amp, connect the **White** RCA jack to the sub out jack on the aftermarket radio.
- If the vehicle is equipped with a SONY/THX amp, connect the **Red** RCA jack to the center channel out jack on the aftermarket radio/processor.

  Note: If this jack is not present on the aftermarket radio, just leave be.Only the center channel speaker will be lost.

12-pin pre-wired ASWC-1 harness:

This harness is to be used in along with the optional ASWC-1 (not included) to retain steering wheel audio controls. If the ASWC-1 is not being used, disregard this harness. If it will be used, please refer to the ASWC-1 instructions for radio connections and programming. Disregard the harness that comes with the ASWC-1.

DIN jack:

The DIN jack is to be used with the optional AX-LCD (sold separately) to retain satellite radio or SYNC information.

Continue to Installing the AX-ADFD100

FORD

Escape †	2013-up	Fiesta (with SYNC)	2011-2013
F-250/350/450/550 XL (without CD player) †		Focus	2012-2014
	2017-up	Transit †	2015-up
Fiesta †	2014-up	Transit Connect †	2014-up

† With AM/FM/CD radio

LD-AX-ADFD02 vehicle applications

From the 16-pin harness to the aftermarket radio:

- Connect the **Red** wire to the accessory wire.

  Note: If installing either an ASWC-1 or AX-LCD (both sold separately), connect the (2) **Red** wires on the LD-AX-ADFD01 harness as well.

- Connect the **Orange/White** wire to the illumination wire. If the aftermarket radio does not have an illumination wire, tape off the **Orange/White** wire.

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

- Connect the **Brown** wire to the mute wire. If the aftermarket radio does not have a Mute wire, tape up the **Brown** wire.

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

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

- Connect the **Gray** wire to the right front positive speaker output.

- Connect the **Gray/Black** wire to the right front negative speaker output.

Only make the following connections if the vehicle contains the SONY/THX amplified system.

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

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

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

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

The following wires are for the aftermarket radios that have navigation built in.

- Connect the **Light Green** wire to the parking brake wire.
- Connect the **Blue/Pink** wire to the VSS or speed sense wire.
- Connect the **Green/Purple** wire to the reverse wire.

From the LD-AX-ADFD02 harness to the aftermarket radio:

- Connect the **Black** wire to the ground wire.
- Connect the **Yellow** wire to the constant wire.
- If installing either an ASWC-1 or AX-LCD (both sold separately), connect the (2) **Red** wires to accessory power.
- Connect the **Blue** wire to the antenna turn-on.
- Connect the RCA jacks labeled "From 3.5" to the audio AUX-IN jackson the aftermarket radio (if SYNC is not present).

These wires are only to be connected if the vehicle does not have the SONY/THX system.

- Connect the **Violet** wire to the right rear positive wire.
- Connect the **Violet/Black** wire to the right rear negative wire.
- Connect the **Green** wire to the left rear positive wire.
- Connect the **Green/Black** wire to the left rear negative wire.
- Connect the RCA jacks labeled "RSE/SYNC/SAT" to the audio AUX-IN jacks on the aftermarket radio (if retaining SYNC).

12-pin pre-wired ASWC-1 harness:

This harness is to be used along with the optional ASWC-1 (not included) to retain steering wheel audio controls. If the ASWC-1 is not being used, disregard this harness. If it will be used, please refer to the ASWC-1 instructions for radio connections and programming. Disregard the harness that comes with the ASWC-1.

DIN jack:

The DIN jack is to be used with the optional AX-LCD (sold separately) to retain satellite radio or SYNC information.

Continue to Installing the AX-ADFD100

INSTALLING THE AX-ADFD100

With the key in the off position:

- Connect the 16-pin harness with stripped leads, and the AX-ADFD100 harness, into the interface.
- If an ASWC-1 (sold separately) will be used, do not connect it until the AX-ADFD100 is programmed and fully functional.

Attention! Do not connect the AX-ADFD100 harness to the wiring harness in the vehicle just yet.

PROGRAMMING THE AX-ADFD100

For the steps below, the L.E.D. located inside the interface can only be seen while active. The interface does not need to be opened to see the L.E.D.

1. Start the vehicle.
2. Connect the AX-ADFD100 harness to the wiring harness in the vehicle. The L.E.D. will initially be **Green** to indicate the interface is powered.
3. After a few seconds the L.E.D. will turn on solid **Red** while the interface automatically programs to the vehicle. The radio will shut off at this point. This process should take 5 to 30 seconds.
4. After the interface is programmed, the L.E.D. will turn on solid **Green**, and the radio will come back on, indicating programming was successful.
5. Test all functions of the installation for proper operation, before reassembling the dash.
6. If the interface fails to function, refer to "Troubleshooting".

ADJUSTING THE AX-ADFD100

Audio level adjustment (if equipped with a SONY/THX amplifier)

- With the vehicle and radio turned on, turn the volume up 3/4 of the way.
- Locate the end of the Interface with the 16-pin harness with stripped leads.
- With a small screwdriver, adjust the potentiometer clockwise to raise the audio level; counterclockwise to lower the audio level.
- Once at a desired level, the audio level adjustment is complete.

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EXTRA FEATURES

RSE (rear seat entertainment)*, satellite radio*, SYNC:

* * LD-AX-ADFD01 applications only

* If the vehicle is equipped with RSE, satellite radio, or SYNC, the AX-ADFD100 can retain these features.

* Change the source of the radio to AUX-IN; SYNC audio will play if SYNC has been activated.

* Either the vehicles display, or the optional AX-LCD (sold separately) will display the SYNC information.

* Listed below are the functions of the AX-LCD:

  ▲ Arrow up—Channel up (only in SAT or USB mode)

  ▼ Arrow down—Channel down (only in SAT or USB mode)

  ↻ Enter—Selects current item on the screen

  ✓ Return/ESC—Exits to the previous screen

* To access RSE or satellite radio, press and hold the MEDIA button on the steering wheel for 2 seconds. This will switch to the next available source. Each time the MEDIA button is pressed for 2 seconds the source will change. The sequence of sources are SYNC/RSE/satellite radio. To temporarily disable SYNC/ RSE/SAT, press and hold the MEDIA button for 3 seconds. To turn it back on, press the MEDIA button for 2 seconds. There will be a visual confirmation of which source is selected from either the factory screen, or the AX-LCD. This screen will also provide satellite radio and SYNC information.

TROUBLESHOOTING

Resetting the Axxess interface

1. The **Blue** reset button is located inside the Axxess interface, between the two connectors. The button is accessible outside the Axxess interface, no need to open the Axxess interface.

2. Press and hold the reset button for two seconds, then let go to reset the Axxess interface.

3. Refer to "Programming the Axxess Interface" from this point.

IMPORTANT

If you are having difficulties with the installation of this product, please call our Tech Support line at 1-800-253-TECH. Before doing so, look over the instructions a second time, and make sure the installation was performed exactly as the instructions are stated. Please have the vehicle apart and ready to perform troubleshooting steps before calling.

KNOWLEDGE IS POWER

Enhance your installation and fabrication skills by enrolling in the most recognized and respected mobile electronics school in our industry. Log onto www.installerinstitute.com or call 800-354-6782 for more information and take steps toward a better tomorrow.

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