Ford SWC (Steering Wheel Control) and Data Interface 2012-2016

INTERFACE FEATURES

• Provides accessory power (10-amp)
• Provides wires for multimedia radios (park brake, reverse, speed sense)
• Retains audio controls on the steering wheel
• Designed to be compatible with all major radio brands
• Auto detects vehicle type, radio connection, and preset controls
• Ability to dual assign steering wheel control buttons
• Retains memory settings even after battery disconnection or interface removal (non volatile memory)
• Provides illumination output
• Retains the 3.5mm AUX-IN jack
• Micro-B USB updatable
• Includes 5v factory amplifier step-down

APPLICATIONS

Ford (1)

(1) This interface must be used along with the corresponding Metra radio-install-kit (sold separately)

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INTERFACE COMPONENTS

• AXTC-FD2 interface  • AXTC-FD2 harness
• 3.5mm adapter
• LD-AFDI-5V amplifier step-down

TOOLS & INSTALLATION ACCESSORIES REQUIRED

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

Product Info
Aftermarket Radio
(radio's features may vary)

3.5mm Adapter (for radios with a wire for SWC)
Boss (with SWC wire): Key 1 (Gray) - Brown
Kenwood / JVC (with SWC wire): Blue/Yellow - Brown
XITE: SWC-2 - Brown
Universal Radio*: Key-A or SWC-1 - Brown
  * Key-B or SWC-2 - Brown/White
  * After programming, assign SWC buttons within radio menu

White - AUX-IN Left
Red - AUX-IN Right

Vehicle Connectors

Radio Connections
Black - Ground
Yellow - Battery power
Red - Accessory power
Orange - Illumination
Blue - Power Antenna
Blue/White - See below
Blue/Pink - VSS/Speed-Sense
Green/Purple - Reverse signal
Light Green - Parking brake
Gray - Front right speaker +
Gray/Black - Front right speaker -
White - Front left speaker +
White/Black - Front left speaker -
Green - Rear left speaker +
Green/Black - Rear left speaker -
Purple - Rear right speaker +
Purple/Black - Rear right speaker -
Black - Ground
Blue/White - Amp turn-on from radio
Blue/Red - AXTC-FDZ Blue/White wires (2)

Aftermarket Radio
(radio’s features may vary)
1. Open the driver’s door, and keep open during the programming process.

2. Cycle the ignition on and wait 5 seconds, or until the factory display screens reads **LINE IN**.

3. Connect the **AXTC-FD2 harness** to the **AXTC-FD2 interface**, and then to the wiring harness in the vehicle.

4. Locate the **Volume Up** button on the steering wheel. Program the interface by tapping the **Volume Up** button at a heartbeat pace until the LED light stops flashing.

5. The LED light will flash **Green & Red** while the interface programs the radio to the steering wheel controls. Once programmed, the LED light will go out, then produce a pattern which will identify the radio type installed.

6. The LED light will go out, then once again quickly flash **Green & Red** while the interface programs itself to the vehicle. Once programmed, the LED light will go out again, then turn solid **Green**.

7. Cycle the ignition off, then back on.

8. Test all functions of the installation for proper operation.
TROUBLESHOOTING

1. If the interface fails to function, press and release the reset button, then repeat the programming process from step 4 to try again.

2. **Final LED Feedback**
   
   At the end of programming the LED light will turn **Solid Green** which indicates programming was successful. If the LED light didn’t turn **Solid Green**, reference the list below to understand which programming section the problem may stem from.

<table>
<thead>
<tr>
<th>LED Light</th>
<th>Radio Programming Section</th>
<th>Vehicle Programming Section</th>
</tr>
</thead>
<tbody>
<tr>
<td>Solid Green</td>
<td>Pass</td>
<td>Pass</td>
</tr>
<tr>
<td>Slow Red Flash</td>
<td>Fail</td>
<td>Pass</td>
</tr>
<tr>
<td>Slow Green Flash</td>
<td>Pass</td>
<td>Fail</td>
</tr>
<tr>
<td>Solid Red</td>
<td>Fail</td>
<td>Fail</td>
</tr>
</tbody>
</table>

**Note:** If the LED light shows **Solid Green** for **Pass** (indicating everything programmed correctly), yet the steering wheel controls don’t work, check to ensure that the 3.5mm jack is plugged in, and also plugged into the correct jack on the radio. Once corrected, press the reset button, then program again.

Having difficulties? We’re here to help.

Contact our Tech Support line at:

**386-257-1187**

Or via email at:
techsupport@metra-autosound.com

**Tech Support Hours (Eastern Standard Time)**

Monday - Friday: 9:00 AM - 7:00 PM
Saturday: 10:00 AM - 7:00 PM
Sunday: 10:00 AM - 4:00 PM

If the interface fails to function, press and release the reset button, then repeat the programming process from step 4 to try again.

Further troubleshooting steps and information can be located at:

axxessinterfaces.com/product/AXTC-FD2