Ford SWC (Steering Wheel Control) and Data Interface 2007-up

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
- Micro-B USB updatable
- Includes 5v factory amplifier step-down

INTERFACE COMPONENTS

- AXTC-FD1 interface • AXTC-FD1 harness
- 3.5mm adapter
- LD-AFDI-5V amplifier step-down

TOOLS & PARTS REQUIRED

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

PRODUCT INFO

See inside front cover
### APPLICATIONS

<table>
<thead>
<tr>
<th>Ford</th>
<th>SWC*</th>
<th>Lincoln</th>
<th>SWC*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Edge 2007-2010 (auto)</td>
<td></td>
<td>MKX 2007-2010 (auto)</td>
<td></td>
</tr>
<tr>
<td>Escape 2008-2012 (auto)</td>
<td></td>
<td>MKZ 2007-2009 (auto)</td>
<td></td>
</tr>
<tr>
<td>Expedition 2007-2014 (auto)</td>
<td></td>
<td>Navigator 2007 (auto)</td>
<td></td>
</tr>
<tr>
<td>Explorer (1) 2009-2010 (auto)</td>
<td></td>
<td>Mazda</td>
<td>SWC*</td>
</tr>
<tr>
<td>F-150 (2) 2013-2014 (tap)</td>
<td></td>
<td>Tribute 2008-2011 (auto)</td>
<td></td>
</tr>
<tr>
<td>F-150 (3) 2011-2012 (tap)</td>
<td></td>
<td>Mercury</td>
<td>SWC*</td>
</tr>
<tr>
<td>F-150 (3) 2009-2010 (auto)</td>
<td></td>
<td>Mariner 2008-2011 (auto)</td>
<td></td>
</tr>
<tr>
<td>F-250/350/450/550 XL/XLT (2) 2013-2016 (tap)</td>
<td></td>
<td>Milan 2010-2012 (auto)</td>
<td></td>
</tr>
<tr>
<td>Focus 2008-2011 (auto)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fusion 2010-2012 (auto)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mustang 2009-2014 (auto)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mustang (4) 2008.5 (auto)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Taurus 2010-2012 (auto)</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

(1) With NAV  
(2) Without 8.4" color screen. XL models must have a CD player  
(3) XL models must have a CD player  
(4) Late 2008 build date

---

**SWC Programming Sequence**

- (auto) Do nothing, the interface will auto program
- (tap) Tap the Volume Up button to program the interface
CONNECTIONS

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

Aftermarket Radio (radio’s features may vary)
- 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 -
- Blue/Pink - VSS/Speed-Sense
- Green/Purple - Reverse signal
- Light Green - Parking brake
- Blue - Power Antenna
- Orange - Illumination
- Red - Accessory power
- Yellow - Battery power
- Black - Ground

Blue/White - Amp Turn-On From Radio
- Blue/White - Amp turn-on
PROGRAMMING

1. Open the driver’s door, and keep open during the programming process.

2. Cycle the ignition on.

3. Connect the AXTC-FD1 harness to the AXTC-FD1 interface, and then to the wiring harness in the vehicle.

4. For (auto*) vehicles: Do not touch the steering wheel controls, the interface will auto program.

   For (tap*) vehicles: 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.

   *Refer to the application list on page 2

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.

Further troubleshooting steps and information can be located at:

axcessinterfaces.com/product/AXTC-1-FD1
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.

®
Metra recommends MECP certified technicians

AXTTC-FD1
INSTALLATION INSTRUCTIONS

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

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.

Metra recommends MECP certified technicians