



Ford SWC (Steering Wheel Control) and Data Interface 2012-2020

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

APPLICATIONS

Ford (1)		
Escape	2013-2016	Focus
Fiesta	2011-2019	Ranger
		Transit 150/250/350
		Transit Connect

(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-AFD1-5V 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



ATTENTION: With the key out of the ignition, disconnect the negative battery terminal before installing this product. Ensure that all installation connections are secure before cycling the ignition to test this product.
NOTE: Refer to the instructions included with the aftermarket radio.

CONNECTIONS



Reset Button

LED Light

3.5mm Adapter (for vehicles without Steering wheel controls or aftermarket 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

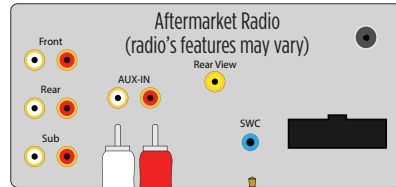
{ Key-B or SWC-2 - Brown/White

* After programming, assign SWC buttons within radio menu



3.5mm Adapter for Vehicles without Steering wheel controls

- 1) From the 3.5mm adapter, tie the **Brown** and **Brown/White** wires together with tape or connector
- 2) Connect the 3.5mm adapter to the 3.5mm jack from the **AXTC-FD2 Harness**
- 3) Program the **AXTC-FD2** per the instructions on page 3. Disregard steps 4 & 5



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 -

Blue/White - Amp turn on from radio

Black - Ground

Blue/White - Amp turn-on from radio

Blue/Red - AXTC-FD2 Blue/White wires (2)

PROGRAMMING

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.

*Only applicable if vehicle came with steering wheel controls

- 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.

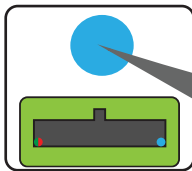
* Only applicable if vehicle came with steering wheel controls

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

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

LED Light Reset Button

QR Code Scan Here



Further troubleshooting steps and information can be located at:

axessinterfaces.com/product/AXTC-FD2

- ### 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.

LED Light	Radio Programming Section	Vehicle Programming Section
Solid Green	Pass	Pass
Slow Red Flash	Fail	Pass
Slow Green Flash	Pass	Fail
Solid Red	Fail	Fail

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



KNOWLEDGE IS POWER

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Metra recommends MECP certified technicians