Universal SWC (Steering Wheel Control) and Data Interface

**INTERFACE FEATURES**
- Provides accessory power (10-amp) (1)
- Retains R.A.P. (Retained Accessory Power) (1)
- Provides illumination output (1)
- Provides wires for multimedia radios (parking brake, reverse, speed sense) (1)
- 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 (2)
- Can be manually programmed for most analog SWC vehicles (1)
- Retains memory settings even after battery disconnection or interface removal (non volatile memory)
- Designed for applications that have no factory wiring harness connector present, or is damaged
- Micro-B USB updatable

(1) CAN data communication vehicles only
(2) Refer to the online documents available at: axxessinterfaces.com/product/AXTC-1

**APPLICATIONS**
Universal

**Tools & Installation Accessories Required**
- Crimping tool and connectors, or solder gun, solder, and heat shrink • Tape • Wire cutter
- Zip ties • Multimeter

**PRODUCT INFO**

Refer to the online documents available at: axxessinterfaces.com/product/AXTC-1
The AXTC-1 is a universal interface in which the wires must be hard-wired to the vehicle. For wiring and programming, download the vehicle specific document from: axxessinterfaces.com/product/AXTC-1

### Vehicle Connections (interface inputs)

- **Black** (pin-7) - Chassis ground
- **Yellow** (pins 1 & 11) - Battery power
- **Pink** (labeled CAN INPUT) (pin-2) - CAN-HI data
- **Blue/Pink** (labeled CAN INPUT) (pin-12) - CAN-LO data
- **Black/Green** (pin-13) - SWC negative
- **Gray/Blue** (pin-16) - SWC negative
- **Gray/Red** (pin-6) - SWC negative
- **Green/Orange** (pin-5) - SWC negative
- **Yellow/Green** (pin-4) - SWC positive
- **White/Green** (pin-3) - SWC negative

### Radio Connections (interface outputs) (*)

- **Red** (pin-8) - Accessory power
- **Orange** (pin-9) - Illumination
- **Blue/Pink** (labeled VSS) (pin-20) - VSS/Speed-Sense
- **Green/Purple** (pin-17) - Reverse signal
- **Light Green** (pin-19) - Parking brake

*The Pink and Blue/Pink (CAN data) wires must be connected for the “interface output” wires to function

### Radio Connections (interface input)

- **Blue/White** (pin-10) - Amp turn-on

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**3.5mm Adapter (for radios with a wire for SWC)**

**Eclipse:** Brown - Brown/White / Brown/White - Brown

**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 Jack**

Connect to the jack on the radio designated for an external steering wheel control interface
Review the AXTC-1 vehicle specific document to familiarize yourself with the programming process. There are 3 different ways to program the AXTC-1 depending on the vehicle: press and hold / tap / do nothing.

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

Cycle the ignition on.

Connect the AXTC-1 harness to the AXTC-1 interface.

Following the AXTC-1 vehicle specific document, program the interface.

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.

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.

Cycle the ignition off, then back on.

Test all functions of the installation for proper operation.
1. **TROUBLESHOOTING**

   If the interface fails to function, press and release the reset button, then repeat the programming process from step 5 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 3.5mm jack is not connected to the radio the LED feedback can still show **Pass**, as an open connection will be shown by the interface as an **Alpine** radio.

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**CONNECTOR VIEW**

(4) corner wires only shown, just for reference

- Pin-11 Yellow
- Pin-1 Yellow
- Pin View of Connector
- Pin-20 Blue/Pink (labeled on connector)
- Pin-10 Blue/Pink

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**Havening 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

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**Knowledge is Power**

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**Metra recommends MECP certified technicians**