**Chrysler SWC (Steering Wheel Control) and Data Interface 2004-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
- Can be used in both amplified and non-amplified models
- Retains balance and fade (*)
- 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

(*) Non-amplified models only

**INTERFACE COMPONENTS**
- AXTC-CH013 interface
- LD-SW CX-6502 harness
- LD-SW CX-6522 harness
- 3.5mm adapter

**APPLICATIONS**
See inside front cover

**TOOLS & INSTALLATION ACCESSORIES REQUIRED**
- Crimping tool and connectors, or solder gun, solder, and heat shrink
- Tape
- Wire cutter
- Zip ties
<table>
<thead>
<tr>
<th>Chrysler</th>
<th>Jeep</th>
<th>Mitsubishi</th>
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<tr>
<td>Raider</td>
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<td>2008-2009</td>
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</table>
**LD-SWCX-6502 CONNECTIONS**

**Without Factory Amp**

- **Reset Button**
- **LED Light**

**Vehicle Connector**

**Radio Connections**

- **Black** - Ground
- **Yellow** - Battery power
- **Red** - Accessory power
- **Orange** - Illumination
- **Blue** - Power Antenna
- **Not Used**
- **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 -

**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.

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**REV. 7/30/2019 INSTAXTC-CH013**
With Factory Amp

- Reset Button
- LED Light

Vehicle Connector

Radio Connections
- Black - Ground
- Yellow - Battery power
- Red - Accessory power
- Orange - Illumination
- Blue - Power Antenna
- Blue/White - Amp turn-on
- Blue/Pink - VSS/Speed-Sense
- Green/Purple - Reverse signal
- Light Green - Parking brake

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

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* After programming, assign SWC buttons within radio menu

Aftermarket Radio
(radio’s features may vary)

- **Sub**: Green
- **Front**: Green/Black
- **Rear**: Purple/Black
- **AUX-IN**: Not Used
- **Rear View**: Light Green

- **Green** - Front left speaker +
- **Green/Black** - Front left speaker -
- **Purple** - Front right speaker +
- **Purple/Black** - Front right speaker -

* Universal Radio: After programming, assign SWC buttons within radio menu
**LD-SWCX-6522 CONNECTIONS**

**Without Factory Amp**

- **Reset Button**
- **LED Light**

**Aftermarket Radio**
(radio’s features may vary)

**Radio Connections**
- **Black** - Ground
- **Yellow** - Battery power
- **Red** - Accessory power
- **Orange** - Illumination
- **Blue** - Power Antenna
- **Not Used**
- **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 -

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**Vehicle Connector**

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* After programming, assign SWC buttons within radio menu
With Factory Amp

- Reset Button
- LED Light

Vehicle Connector

Radio Connections
- Black - Ground
- Yellow - Battery power
- Red - Accessory power
- Orange - Illumination
- Blue - Power Antenna
- Blue/White - Amp turn-on
- Blue/Pink - VSS/Speed-Sense
- Green/Purple - Reverse signal
- Light Green - Parking brake
- Not Used

Aftermarket Radio
(radio’s features may vary)

- Front
- Rear
- AUX-IN
- Sub
- SWC

3.5mm Adapter (for radios with a wire for SWC)
- Boss (with SWC wire): Key 1 (Gray) - Brown
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- 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
Composite Video (radio’s features may vary)

- Front
- Rear
- AUX-IN
- Sub
- SWC

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
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* After programming, assign SWC buttons within radio menu

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* After programming, assign SWC buttons within radio menu
**PROGRAMMING**

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

2. Cycle the ignition on.

3. Connect the appropriate LD-SWCX harness to the AXTC-CH013 interface, and then to the wiring harness in the vehicle.

4. Locate the Volume Up button behind the steering wheel on the right hand side. 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.
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

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>
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<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: axxessinterfaces.com/product/AXTC-1-CH013

AxxessInterfaces.com
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