



## Mercedes SWC (Steering Wheel Control) and Data Interface 2001-2018

### INTERFACE FEATURES

- Provides accessory power (12 volt 10-amp)
- Designed for non-amplified models
- 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 (nonvolatile memory)
- Provides illumination output
- Micro-B USB updatable

### APPLICATIONS

#### Mercedes

C Class ..... 2001-2004  
 CLK Class ..... 2004  
 CLK500 ..... 2003  
 CLK55 AMG ..... 2003

C Class ..... 2005-2011  
 CLK Class ..... 2005-2009  
 E Class ..... 2010-Up  
 G Class ..... 2007-2012

GLK Class ..... 2010-2012  
 R Class ..... 2006-2011  
 SLK Class ..... 2005-2011  
 Sprinter ..... 2010-2018

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### INTERFACE COMPONENTS

- AXTC-MB1 Interface • 3.5mm Adapter
- LD-SWCX-MB1 Harness
- LD-SWCX-MB2 Harness

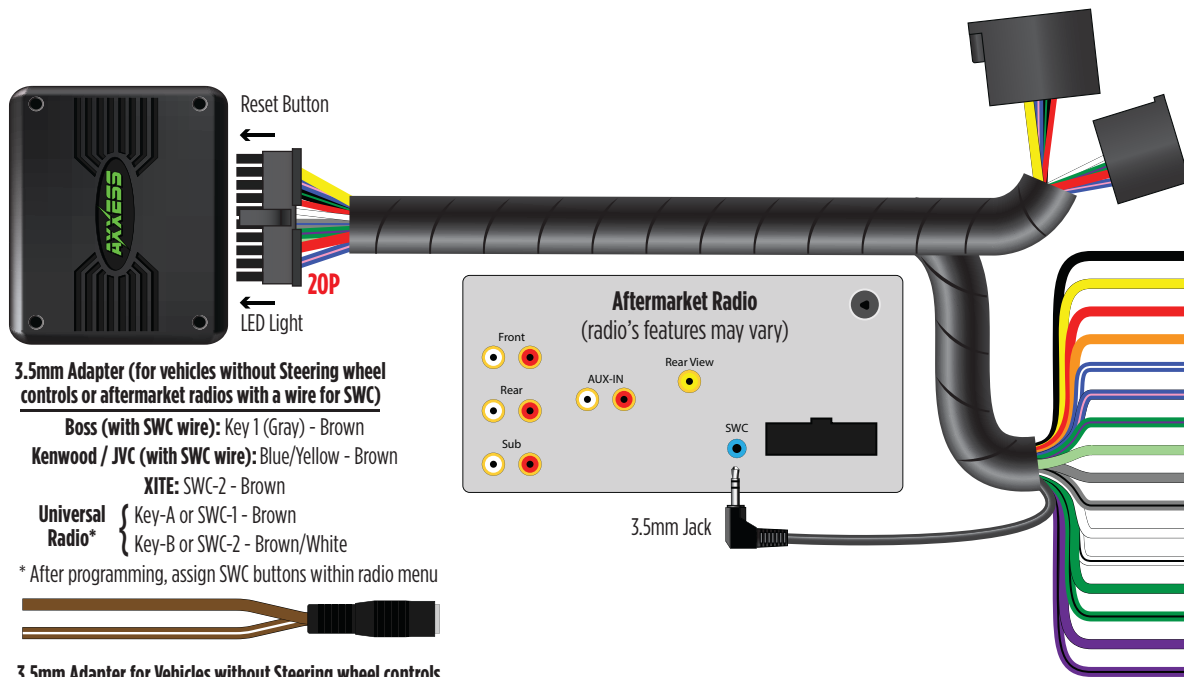
### TOOLS & INSTALLATION ACCESSORIES REQUIRED

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

**ATTENTION:** With the key out of the ignition, disconnect the negative battery terminal before installing this product. Ensure that all installation connections, especially the air bag indicator lights, are plugged in before reconnecting the battery or cycling the ignition to test this product.

**NOTE:** Refer also to the instructions included with the aftermarket accessory before installing this device.

# CONNECTIONS LD-SWCX-MB1



**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

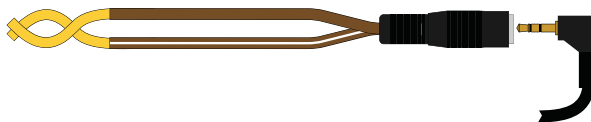
**Universal Radio\*** { Key-A or SWC-1 - Brown

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

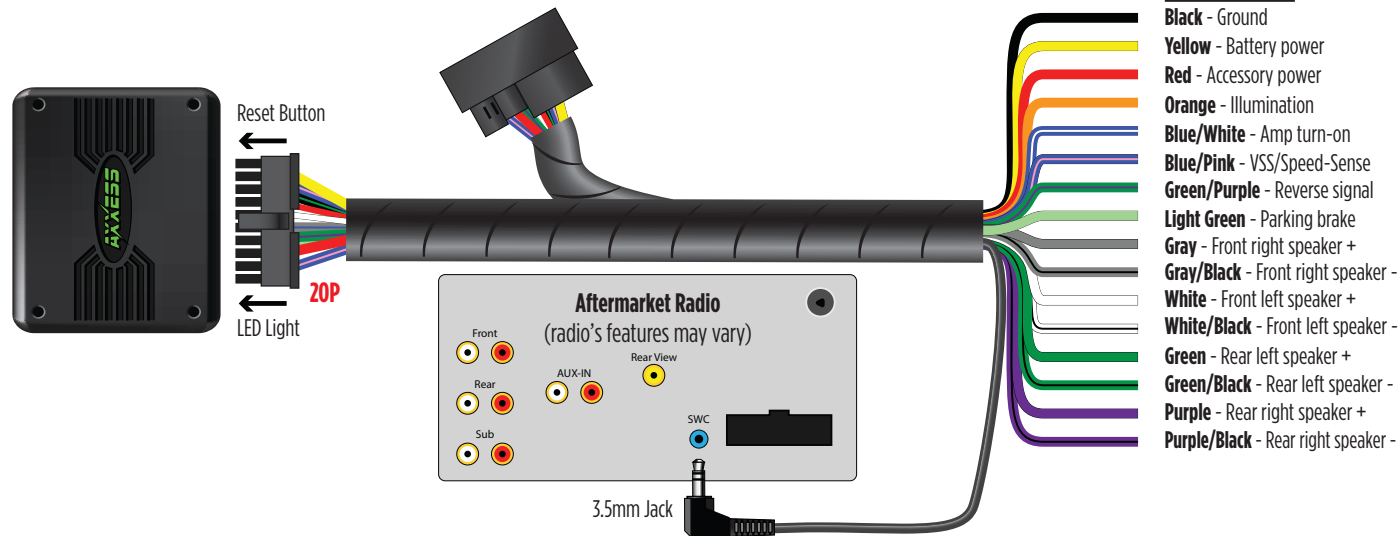
\* After programming, assign SWC buttons within radio menu

**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-MB1 Harness**
- 3) Program the **AXTC-MB1** per the instructions on page 4. Disregard steps 4 & 5



## CONNECTIONS LD-SWCX-MB2



### 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-MB1 Harness**
- 3) Program the **AXTC-MB1** per the instructions on page 4. Disregard steps 4 & 5



## PROGRAMMING

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

2.  Cycle the ignition on.

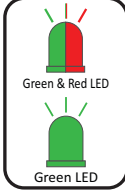
3.  Connect the **AXTC-MB1 harness** to the **AXTC-MB1 interface**.

- 4.\*  Tap **Volume Up**. Locate the **Volume Up** button on the the steering wheel. Program the interface by tapping the **Volume Up** button until the LED 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

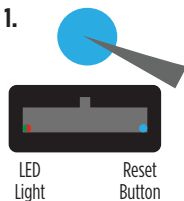
6.  The LED light will go out, then once again quickly flash **Green & Red** while the interface programs itself to the vehicle. Once programmed, the LED light will go out again, then turn solid **Green**.

7.  Cycle the ignition off, then back on.

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

## TROUBLESHOOTING

1.



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.

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 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.

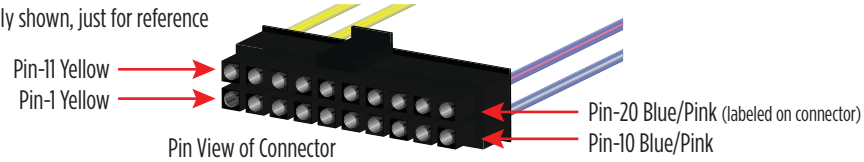
QR Code Scan Here



Further troubleshooting steps and information can be located at: [axxessinterfaces.com](https://www.axxessinterfaces.com)

## CONNECTOR VIEW

(4) corner wires only shown, just for reference



[illegible]



# AXTC-MB1

## 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](mailto: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.edu](http://www.installerinstitute.edu) or call 386-672-5771 for more information and take steps toward a better tomorrow.



**Metra recommends MECP  
certified technicians**