Steering Wheel Control and Data Interface
Fits Mazda **2007–2016**

INTERFACE FEATURES

- Designed for amplified and non-amplified models
- Provides accessory power (12-volt 10-amp)
- Provides NAV outputs (parking 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
- Retains memory settings even after battery disconnection or interface removal (non-volatile memory)
- Retains balance and fade (excludes amplified models)
- Retains the ability to set the clock via a service harness
- Retains the factory backup camera
- Micro "B" USB updatable

www.MetraOnline.com   **Product Info**

MetraOnline.com may be used to assist with dash assembly instructions. Simply enter your Year, Make, Model vehicle into the vehicle fit guide and look for the Dash Kit Installation Instructions.

INTERFACE COMPONENTS

- AXTC-MZ1 interface
- LD-SWCX-MZ1 harness
- 3.5mm adapter

APPLICATIONS

MAZDA

CX-5	2013–2016
CX-7	2007–2012
CX-9	2007–2015

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Visit **AxxessInterfaces.com** for more detailed information about the product and up-to-date vehicle specific applications.

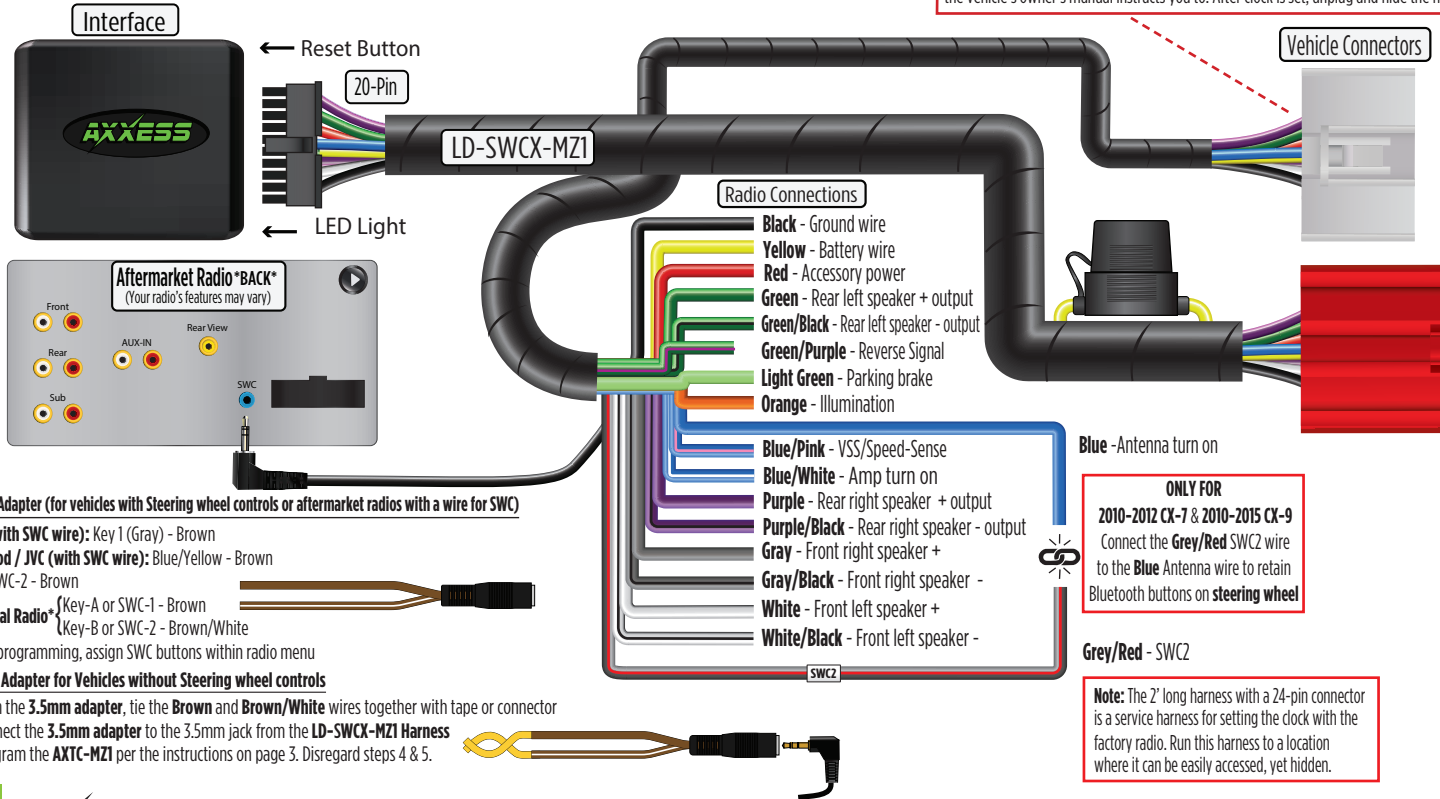### TOOLS & INSTALLATION ACCESSORIES REQUIRED

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

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.*

NOTE: This connector is a service plug to allow the setting of your vehicle's clock. When you want to change the clock, plug the white harness into the OEM radio and adjust the clock as the vehicle's owner's manual instructs you to. After clock is set, unplug and hide the harness.

Vehicle Connectors

Interface

← Reset Button

20-Pin

LD-SWCX-MZ1

← LED Light

Aftermarket Radio *BACK*
(Your radio's features may vary)

Front
Rear View
AUX-IN
Rear
Sub
SWC

Radio Connections

Black - Ground wire
Yellow - Battery wire
Red - Accessory power
Green - Rear left speaker + output
Green/Black - Rear left speaker - output
Green/Purple - Reverse Signal
Light Green - Parking brake
Orange - Illumination

Blue/Pink - VSS/Speed-Sense
Blue/White - Amp turn on
Purple - Rear right speaker + output
Purple/Black - Rear right speaker - output
Gray - Front right speaker +
Gray/Black - Front right speaker -
White - Front left speaker +
White/Black - Front left speaker -

SWC2

Blue -Antenna turn on

ONLY FOR
2010-2012 CX-7 & **2010-2015 CX-9**
Connect the **Grey/Red** SWC2 wire to the **Blue** Antenna wire to retain Bluetooth buttons on **steering wheel**

Grey/Red - SWC2

Note: The 2' long harness with a 24-pin connector is a service harness for setting the clock with the factory radio. Run this harness to a location where it can be easily accessed, yet hidden.

3.5mm Adapter (for vehicles with 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 **LD-SWCX-MZ1 Harness**
3) Program the **AXTC-MZ1** per the instructions on page 3. Disregard steps 4 & 5.

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

2. Cycle the ignition on.

3. Connect the **AXTC-MZ1 harness** to the **AXTC-MZ1 interface**, and then to the wiring harness in the vehicle.

4. Auto Detect — The **AXTC** will enter auto-detect mode. No additional action is required.

5*. Green & Red LED / Green or Red LED — The LED will flash **Green** & **Red** while the interface programs the radio to the steering wheel controls. Once programmed, the LED will go out, then produce a pattern which will identify the radio type installed. Refer to the **Radio LED Feedback** section under **Troubleshooting** for radio types.

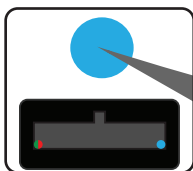*Only applicable if vehicle came with steering wheel controls

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

LED
Light

Reset
Button

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 will turn **Solid Green** which indicates programming was successful. If the LED 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 shows **Solid Green** for **Pass** (indicating everything programmed correctly), yet the steering wheel controls don't work, make sure that the 3.5mm jack is plugged in, and plugged into the correct jack in the radio. Once corrected, press the reset button, then program again.

QR Code Scan Here

Further troubleshooting steps and information can be located at:

axxessinterfaces.com/product/AXTC-MZ1

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 - 5:00 PM
Sunday: 10:00 AM - 4:00 PM

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