

# Steering Wheel Controller | Mazda | 650

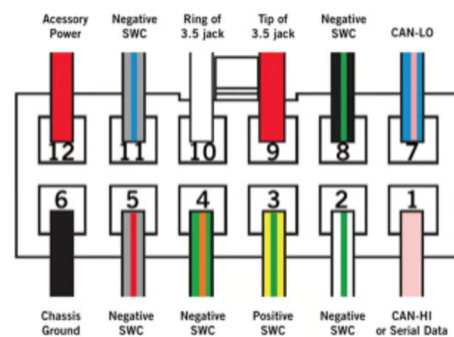
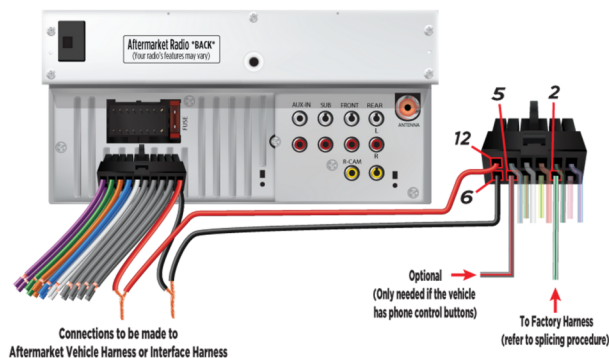
## → Vehicle Installation Instructions

The instructions below will guide you through installation of the Steering Wheel Controller in your vehicle.

## Connections

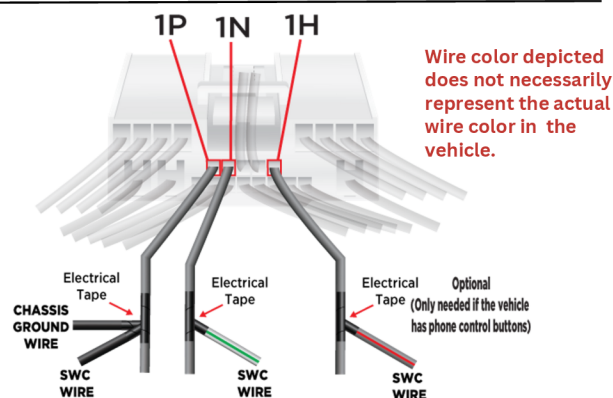
### Aftermarket Radio Harness

1. Connect **Pin 6 (BLACK wire)** of the Steering Wheel Controller harness to the **BLACK** ground wire of the aftermarket radio.
2. (**IMPORTANT**) Connect **Pin 1P** of the vehicle's radio harness to **Pin 6** of the Steering Wheel Controller harness and the **Black** ground wire of the aftermarket radio.
3. Connect **Pin 12** of the Steering Wheel Controller to the **RED** accessory wire of the aftermarket radio.



### Vehicle Connection(s) to Factory Harness

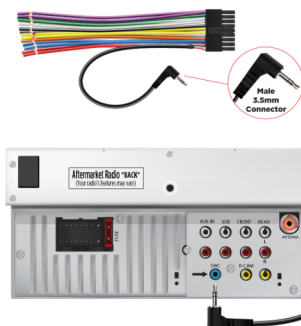
1. Connect **Pin 2** of the Steering Wheel Controller (**WHITE/GREEN wire**) to the wire in **Pin 1N** of the vehicle's radio harness.
2. (**Optional**) If the vehicle has **phone control buttons**:
  - a. Connect **Pin 5** of the Steering Wheel Controller (**Gray/Red wire**) to the wire in **Pin 1H** of the vehicle's radio harness (shown below).



### SWC 3.5 Jack Connections

For radios with a 3.5mm port located on the rear, plug the **male 3.5mm jack** directly into the back of the radio.

1. Connect the **3.5mm Jack** to the **SWC (Steering Wheel Control)** input on the back of the radio.



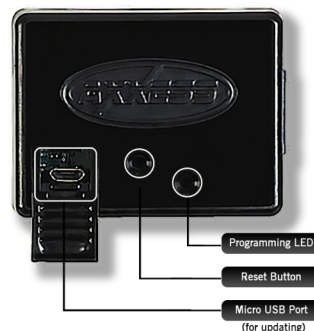
### Kenwood/JVC Radios with Single SWC wire

1. Connecting the **BLUE/YELLOW wire** labeled **Steering Wheel Remote Input** to the **BROWN** wire of the **female 3.5mm jack**.
2. Plug in the **male 3.5mm jack** into the **female 3.5mm jack**.



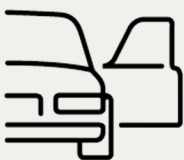
# Programming the Steering Wheel Controller

In order to effectively program the Steering Wheel Controller, the aftermarket radio needs to be (or remain) completely wired. The Steering Wheel Controller harness should be wired and the (Steering Wheel Control) SWC 3.5mm Jack or SWC wiring should be connected.



Follow the steps below to programming the Steering Wheel Controller to your vehicle:

1. Open the driver's door. **Keep it open during the programming process.**



2. Turn the vehicle's ignition **On**.



3. Plug in the **Steering Wheel Controller**.



4. The LED on the SWC begins rapid flashing **Green** and **Red**.



5. (Optional) If the LED does not turn on, refer to **Connections** above and ensure all steps were performed precisely.

6. The Steering Wheel Controller will enter auto-detect mode. **No action is required** until the LED begins flashing **Green** and **Red**.

Auto Detect



7. (Optional) If the **Green** and **Red** flashes are missed, reset the Steering Wheel Controller and restart the programming process from the beginning.

8. The Steering Wheel Controller is being programmed into the vehicle's steering wheel controls (SWC).



## NOTE

A series of 7 Green LED flashes identifies your vehicle type. Once the detection process completes, the Green LED will pause for one to two seconds.

9. The LED begins flashing **Red** while the interface programs itself to the aftermarket radio. A series of **up to 24 Red** LED flashes identifies the detected Radio Type.



10. Upon successfully programming, the LED turns solid **Red**.



11. Test all functions of the Steering Wheel Controller installation for proper operation.

