OS2-GM32X

Radio Replacement Interface with OnStar Retention for select General Motors Vehicles with 32-Pin Connector

Introduction & Features

The OS2-GM32X interface allows the replacement of a factory radio in select General Motors vehicles with Class II radios. Using this interface will retain factory features such as warning chimes and BOSE® amplifier (Standard or Premium) when the original radio is removed. The OS2-GM32X provides Data-Bus driven outputs such as retained accessory power (RAP), vehicle speed signal (VSS), illumination, reverse trigger and parking brake. The OS2-GM32X also provides a secondary output for adding an optional PAC Steering Wheel Control (SWC) retention interface (SWI-RC, SWI-CP2, SWI-X).
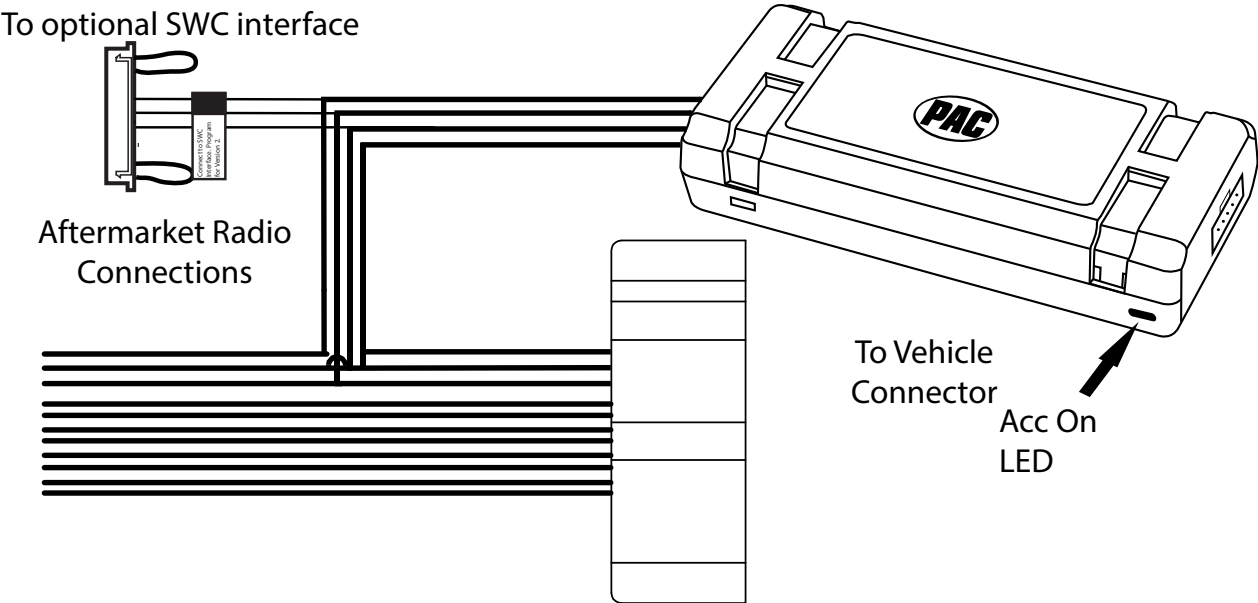
Important Notes

1. Use the 4-position selector switch located on the side of the interface to select the best chime output volume for your specific installation. Setting 1 being loudest and 4 being softest.
2. In order for the Brown mute wire to output a signal, the Brown / White mute loop on the interface connector must be cut.
3. The SWC will not control the aftermarket radio when OnStar is active.
4. The voice button on the SWC will only control OnStar and cannot be used to control the aftermarket radio.
5. The OnStar volume can be adjusted using the volume SWC when OnStar is active.
6. You can use either the analog VSS or the Data-Bus driven VSS.

Wiring Connection Chart

Interface Connector

Green	Parking Brake Output (-)
Pink	Vehicle Speed Signal (Data-Bus Driven)
Red	Accessory Output (10 amp)
Orange / White	Illumination Output (+)
Violet / White	Reverse Output (+)
Brown	Mute Output (-)
Brown / White Loop	Mute Loop

Vehicle Connector

Yellow	Battery +12v
Black	Ground
Blue	Antenna On Input
White	Front L + input
White / Black	Front L - input
Gray	Front R + input
Gray / Black	Front R - input
Pink (x 2)	Vehicle Speed Signal (Analog)*

* These wires may not be present in all vehicle harnesses.

Illustration / Schematic

To optional SWC interface

Connect to SWC Interface Program for Version 2.

Aftermarket Radio Connections

To Vehicle Connector

Acc On LED

Rev. 051517

Installation Steps

1. Make all connections as described in the chart on page 1.
2. If you are using the Brown mute wire, the Brown / White mute loop must be cut in order for this wire to output a signal. **PLEASE NOTE: If you cut the mute loop be sure to insulate these wires properly as they are part of a 12v circuit. Do not connect either side of this loop to your aftermarket radio.**
3. It is extremely important to make sure the ignition is off and the driver's door is open before connecting the interface to the vehicle.
4. Connect the interface to the vehicle and the aftermarket radio.
5. If necessary, program the SWC interface.

Steering Wheel Control Output Connector

1. The harness has a SWC output connector. For ease of installation, all necessary connections for an SWI have been made for you. Both loops should remain in tact.
2. When using this SWC output connector with the SWI-RC, the SWC interface **must be programmed for version 2** (refer to SWC interface programming instructions for exact programming sequence and button assignment order).
3. When using this SWC output connector with an SWI-CP2, you can either program the SWC interface with a PC or set the DIP switches according to the PC app.

To optional SWC interface

Aftermarket Radio Connections
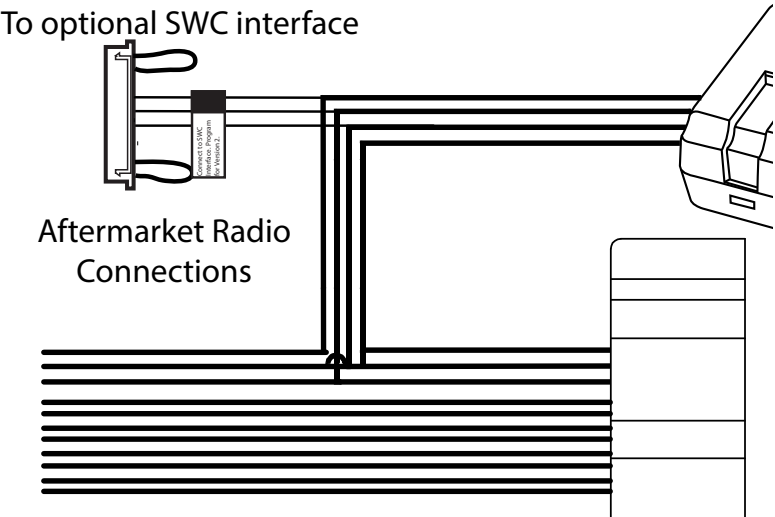
Testing and Verification

1. Turn the ignition on. The LED on the interface will turn on, and the +12v accessory wire will turn on.
2. Turn on the radio and check balance. Note: **Fade is not supported** as neither the aftermarket radio or the RP interface have the ability to control the amplifier's fader.
3. If an optional SWC retention interface was used, verify that all SWC are functioning properly.
4. Turn off vehicle and remove key. RAP will be active and keep the radio on for 10 minutes or until the drivers door is opened.
5. The LED and radio will turn off when RAP turns off or the drivers door is opened.
6. Use the 4-position selector switch located on the side of the interface to select the best chime output volume for your specific installation. Setting 1 being loudest and 4 being softest.

▲ Chime Volume Adjustment

PAC
Pacific Accessory Corporation

LED Legend	
Solid	Accessory On
Rapid Blink	OnStar Active
Slow Blink	SWC Button Pressed
Off	Accessory Off

Product Updates (Firmware)

The OS2-GM32X can be updated with new firmware as it becomes available using the PAC-UP interface updater (sold separately Please visit www.pac-audio.com/firmware for available updates.