RadioPRO 3
Radio Replacement Interface

RP3-GM13

Radio Replacement Interface for General Motors Vehicles

Introduction & Features

The RP3-GM13 interface allows the replacement of a factory radio in select General Motors vehicles with Class II radios. Using this interface will retain Warning Chimes when the original radio is removed. The RP3-GM13 provides data bus driven outputs such as retained accessory power (RAP), vehicle speed sensor (VSS), illumination, reverse trigger and parking brake. The RP3-GM13 also provides a secondary output for adding an optional PAC Steering Wheel Control (SWC) retention interface (SWI-RC, SWI-PS, SWI-JACK, SWI-ECL2 or SWI-X).

Important Notes

1. It is extremely important to makes sure the ignition is off and the drivers door open before connecting the interface to the vehicle.
2. Use the 4 position 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 softest.

Wiring Connection Chart

Interface Connector

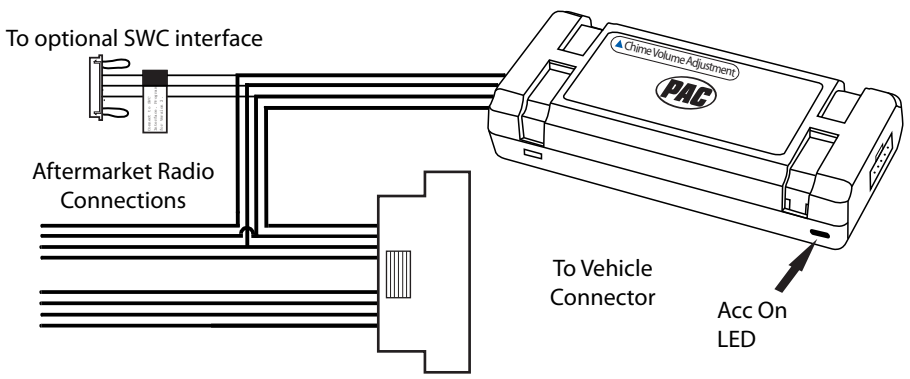
Red / White	Parking Brake Output (-)*
Purple / White	Vehicle Speed Output*
Blue / White	Not Used
Red	Accessory Output (10 amp)
Orange / White	Illumination Output (+)*
Green	Reverse Output (+)*

***Not all radios will have these connections. Please insulate these wires when not used.**

Vehicle Connector

Yellow	Battery +12v
Black	Ground
Blue	Antenna On Input
White	Front L + input
White / Black	Front L - input
Grey	Front R + input
Grey / Black	Front R - input
Green	Rear L + input
Green / Black	Rear L - input
Purple	Rear R + input
Purple / Black	Rear R - input

Illustration / Schematic



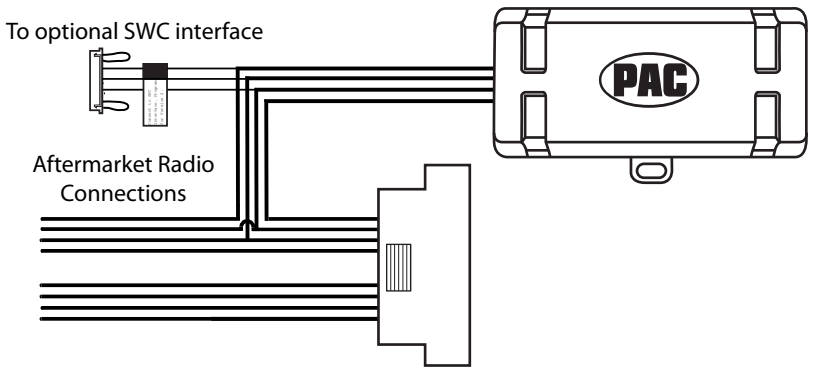
PAC

Installation Steps

1. Make all connections as described in the chart on page 1.
2. Follow the instructions below if you wish to add an optional SWC retention interface.

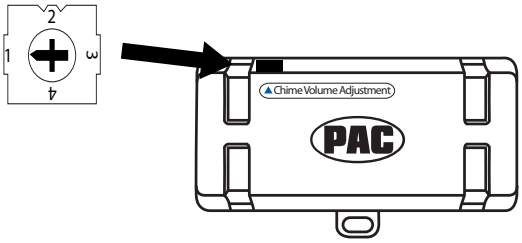
Steering Wheel Control Output Connector

1. The RP3 provides a SWC output connector attached to the harness. For ease of installation, all necessary connections for an SWI have been made for you.
2. When using this SWC output connector the radio SWC interface **MUST BE PROGRAMMED FOR VERSION 2.** (refer to SWC interface programming instructions for exact programming sequence).
3. Both loops should remain in tact.
4. During steering wheel button assignment programming the vehicle should be running and each button should be pressed and held for at least 5 seconds. Please refer to the SWI manual for button assignment order.



Testing & Verification

1. Turn the ignition on. The LED on the interface will turn on & the +12v accessory wire will turn on.
2. Turn on the radio & check balance & fade.
3. If an optional SWC retention interface was used, verify that all SWC are functioning properly.
4. Turn off vehicle & remove key. RAP will be active & keep the radio on for 10 minutes or until the drivers door is opened.
5. The LED & radio will turn off when RAP turns off or the drivers door is opened.
6. Use the 4 position 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 softest.



Product Updates (Firmware)

The RP3-GM13 can be updated with new firmware as it becomes available using the PAC-UP interface updater (sold separately).

Technical Bulletin

RP3-GM13 / C2R-GM32R
No Audio when the vehicle is equipped with the premium amplified system

Issue:

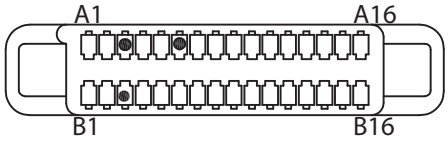
When the vehicle is equipped with the premium amplified system the amplifier may fail to turn on, or be in a muted state, not allowing any sound to be heard.

Fix:

C2R-GM32R

There are three wires (A3, A6 & B3) in the C2R-GM32R's 32-pin connector that are tied together and terminate to a single Blue / White wire. B3 is the power antenna wire and should not have anything to do with the amplifier turning on or being in a mute state. In most cases when the amplifier is in this muted state, it is due to pin A6 being powered unnecessarily. Disconnecting A6 from the group of Blue / White wires in vehicles equipped with the premium UZ8 audio system will return the amplifier to a normal state allowing sound to be heard from the speakers.

32-Pin Connector on RP3/C2R harness



Connector viewed from wire side.

RP3-GM13

The amplifier turn on wire in pin A3 was not pinned in the first revision of this harness. If your vehicle is equipped with the UZ8 Audio system, it is required to power the Pink wire located on the vehicle side 32-pin connector in the A3 position. You can do this by using a scrap piece of wire and connecting it from the remote turn on wire from your aftermarket radio, to the Pink wire located in the A3 position. It is also required to cut away the Yellow wire in the RP3 harness which terminates to pin A6.