

### Introduction & Features

The RP3-GM11 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 RP3-GM11 provides data bus driven outputs such as retained accessory power (RAP), vehicle speed sensor (VSS), illumination, reverse trigger and parking brake. The RP3-GM11 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). Rear Seat Controls (RSC) if equipped will also be retained with the SWI interface.

### Important Notes

1. When used in Non-BOSE® applications simply cut off the RCA connectors and connect the remaining wires to the aftermarket radios high level speaker outputs.
2. For BOSE® systems, the recommended line level input is between 2-4 volts from the aftermarket radio.
3. RSC buttons that are identical to the SWC will mimic the SWC one for one
4. To prevent over driven audio when installing the interface into a vehicle with a BOSE® system, and the aftermarket radio does not have low level outputs, then an LOC (part # SOEM-4 or LP3-4) is recommended to match the input voltage or you can create an audio attenuation circuit (see diagram 2 below for audio attenuation wiring).
5. Use the 4 position selector switch located on the side of the interface to select the best chime output volume for your specific installation .

### Wiring Connection Chart

#### Interface Connector

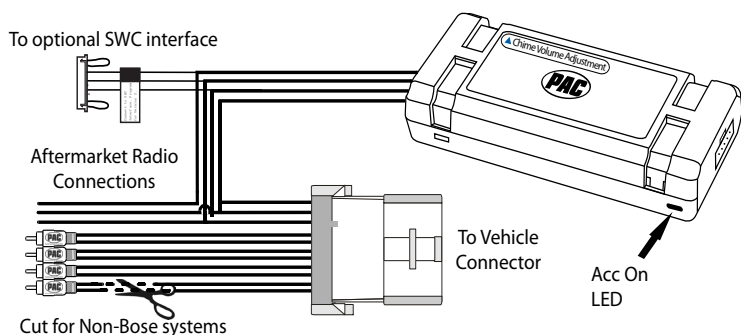
Red / White	Parking Brake Output (-)*
Purple / White	Vehicle Speed Output*
Blue / White	Amp Turn On Input
Red	Accessory Output (10 amp)
Orange / White	Illumination Output (+)*
Green	Reverse Output (+)*

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

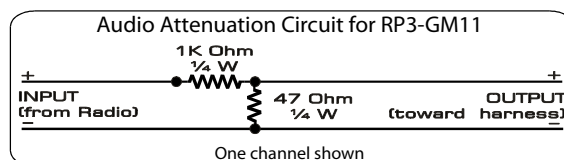
#### Vehicle Connector

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



### Diagram 1

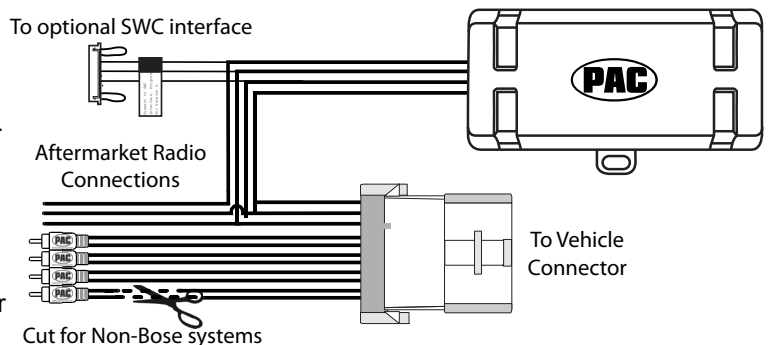


### Installation Steps

1. It is extremely important to make sure the ignition is off and the drivers door open before connecting the interface to the vehicle.
2. Make all connections as described in the chart on page 1. If there is a BOSE® Audio system present: Connect the RCA inputs to the aftermarket radios pre-amp output. The audio level will vary depending on the new radios pre-amp output voltage (2-4 volts is recommended). If the vehicle is not equipped with the BOSE® Audio system: Cut the RCA inputs off and connect the aftermarket radios speaker outputs to the remaining wire according to the chart on page 1.

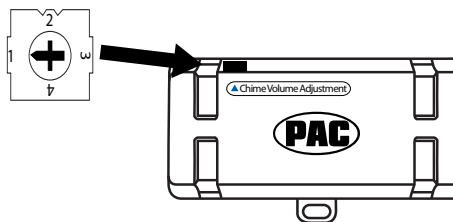
### Steering Wheel Control Output Connector

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 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. Note: **Premium Factory amplified Systems** will not fade as neither the aftermarket radio or the RP interface have the ability to control the amplifier's fader.
3. Verify that the factory subwoofer (if present) is playing
4. If an optional SWC retention interface was used, verify that all SWC are functioning properly.
5. Turn off vehicle & remove key. RAP will be active & keep the radio on for 10 minutes or until the drivers door is opened.
6. The LED & radio will turn off when RAP turns off or the drivers door is opened.
7. 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 softest.



### Product Updates (Firmware)

The RP3-GM11 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](http://www.pac-audio.com/firmware) for available updates.

