



Introduction & Features

The LCGM51 allows the replacement of a factory radio in select General Motors vehicles with 29-bit v2 GMLAN radios. Using this interface will retain factory features such as warning chimes and provides a data-bus generated 12-volt retained accessory power output (RAP). RAP keeps the radio powered after key-off, just like the factory system. The LCGM51 also issues data commands that maintain a “healthy” system status to other vehicle systems.

Installation Steps

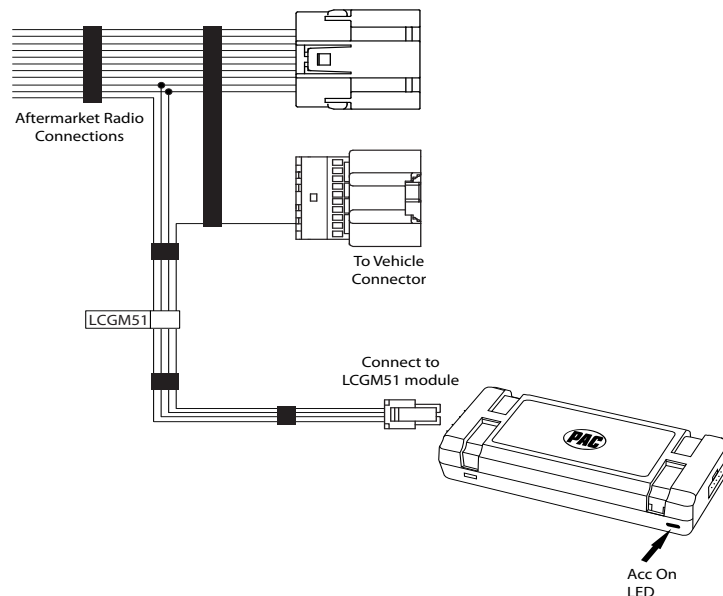
PLEASE NOTE: This Interface is intended for use in vehicles without OnStar® or Bose® or when OnStar® or Bose® does not need to be retained.

1. Wire your aftermarket radio to the LCGM51 harness according to the wiring connections chart. The red accessory wire will support up to 10 amps of current draw.
2. Remove the factory radio and plug in the LCGM51's 14/16-pin harness into the factory vehicle harness. Using the supplied length of wire, mount the interface within the dash of the vehicle with double sided tape or wire ties. There are no adjustments to make, just mount your aftermarket radio and re-install your factory dash panels and you're done!

Wiring Connections

| | |
|----------------|----------------------|
| Yellow | Battery +12v |
| Black | Ground |
| Red | Accessory +12v (10A) |
| 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



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. Turn off vehicle & remove key. RAP will be active & keep the radio on for 10 minutes or until the drivers door is opened.
4. The LED & radio will turn off when RAP turns off or the drivers door is opened.

