

MODEL # C2R-GM24

GM Chime and Data-bus Integration Interface

Retains GM R.A.P. System / Issues "Healthy" System Status



Pacific Accessory Corporation

WIRING OVERVIEW

>>>>Notes: Designed for vehicles without OnStar® or Premium BOSE® sound systems.

Description

The C2R-GM24 Enables aftermarket radio installation without retention of the factory radio, replicates factory warning chimes, provides a data-bus generated 12-volt accessory power output that is fully compatible with GM's Retained Accessory Power (RAP) system. RAP keeps the radio powered after key-off, just like the factory system. The C2R-GM24 also issues data commands that maintain a "healthy" system status to other vehicle systems.

Installation

Wire your aftermarket radio to the C2R-GM24's harness just like you would a standard install. Keep in mind though that the ACC 12-Volt (red wire) for your radio is coming from the C2R-GM24. Remove the factory radio and plug in the C2R-GM24's 24-pin male 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!

>>>>Note The interface generates a 12-volt accessory power output for your new radio and retains R.A.P..

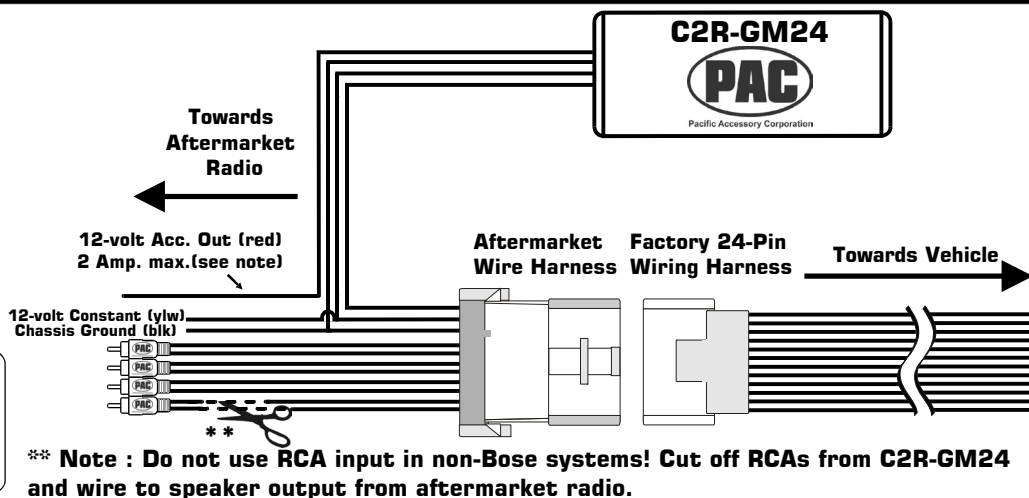
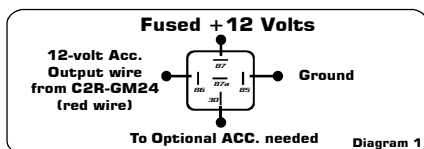
Operation

The aftermarket radio will perform like the factory system did. Chimes will be produced by the buzzer within the C2R-GM24. The radio will retain factory R.A.P. function as before. C2R-GM24 will issue data commands that maintain a "healthy" system status to other vehicle systems to keep systems working correctly.

Non-BOSE® Applications

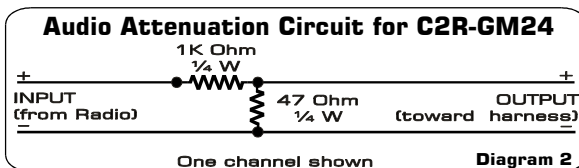
NOTES

1. 12-volt Acc. Out is rated only at 2 Amps. It's designed for the new aftermarket source unit ONLY. If any additional circuits are required, an optional relay is needed (see Diagram 1 below).
2. When using in Non-Bose® applications simply cut off RCA connector and use as standard speaker outputs.



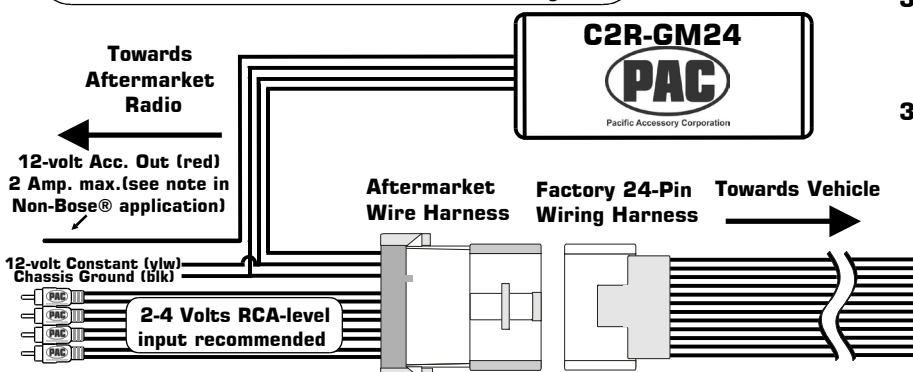
BOSE® Applications (Standard BOSE®)

NOTES



Radio Shack Part#'s
1K Ohm 1/4 W 5% 271-1321
47 Ohm 1/2 W 5% 271-1105
* 47 Ohm 1/2 W was substituted for 1/4 W either is adequate.

1. C2R-GM24 is compatible with GM's "Standard BOSE®" if OnStar retention is not required.
2. Recommended Line-level Input is 2-4 Volts from Aftermarket radio.
3. If using speaker level input then a LOC (part # SNI-35 or OEM-2) is recommended to match the input voltage or you can create an audio attenuation circuit (see Diagram 2).
3. C2R-GM24 is also compatible with GM's "Premium BOSE®" only if the new system utilizes new amplifiers and OnStar® is not wanted.



BOSE® is a registered trademark of BOSE corp. OnStar® is a registered trademark of OnStar corp.

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