

WIRING OVERVIEW

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.

>>>>Note: Designed for vehicles without OnStar or Premium BOSE sound systems. Can be used with Premium BOSE system ONLY if BOSE amp and OnStar are no longer wanted.

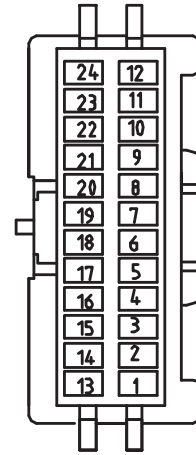
Installation

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!

Operation

The aftermarket radio will perform like the factory system did. Chimes will be produced by the buzzer within the C2R-GM24.

Viewed From Pin Side

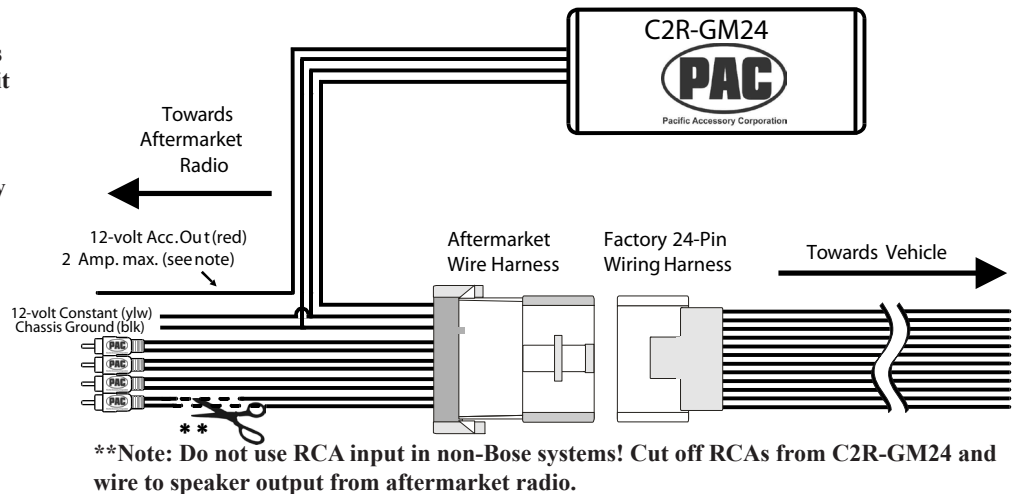
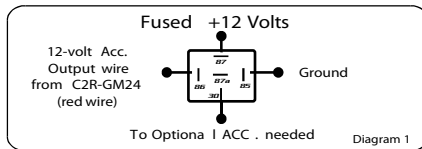


Pin #	Wire Color	Function
1	Prp/Wht	Class II Data
2	Prp/Wht	Class II Data
3	N/A	NA
4	N/A	NA
5	N/A	NA
6	N/A	NA
7	N/A	NA
8	White	Front Left +
9	Wht/Blk	Front Left -
10	Prp/Blk	Right Rear -
11	Purple	Right Rear +
12	Black	Ground
13	Yellow	Constant 12v
14	N/A	NA
15	Blue	Amp Turn-On/Power Ant
16	Org/Wht	Dimmer
17	N/A	NA
18	N/A	NA
19	N/A	NA
20	Green	Rear Left +
21	Gm/Blk	Rear Left -
22	Gry/Blk	Front Right -
23	Gray	Front Right +
24	Orange	Illumination

Non-BOSE Applications

NOTES

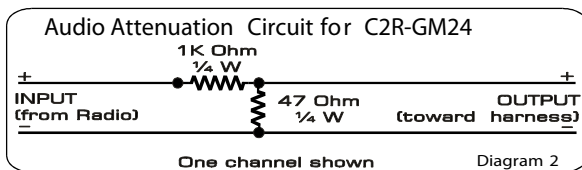
- 12-volt Acc. Out is rated only at 2 Amps. It's designed for the new aftermarket source unit ONLY. If any additional circuits are required, an optional relay is needed (see Diagram 1 below).
- When using in Non-Bose applications simply cut off RCA connector and use as standard speaker outputs.



BOSE Applications (Standard BOSE)

NOTES

- C2R-GM24 is compatible with GM's "Standard BOSE" if OnStar retention is not required.
- Recommended Line-level Input is 2-4 Volts from Aftermarket radio.
- 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).
- Connect the Blue wire to the Remote turn on from your head unit. This will turn the factory amp on.



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.

