



Pacific Accessory Corporation

C2A-GM24

Add an Amp Interface

Instructions



Description

The C2A-GM24 allows you to add a 2 channel aftermarket amplifier for GM vehicles with Class 2 data bus. What makes the C2A-GM24 unique is that it takes the fixed level audio signal from the factory head unit before it gets to the Bose® amplifier and gives you a variable output. The C2A-GM24 outputs are digitally controlled by the head unit's volume knob. You get full range audio signal, not a Bose® specific equalized output, high passed or low passed output.

- Great for adding subwoofer amplifiers.
- 2 channel RCA outputs with left and right level adjustments for matching aftermarket amplifier/speakers audio signal to factory speakers.
- User can select with the C2A-GM24 will fade out when radio is faded forward/back or can be selected to be non-fading.
- +12 volt 300 ma. remote turn-on output.
- Plug & Play, no hard wiring required.

Installation

1. **Black 18ga. wire** - Power supply ground. Connect this wire to the same ground point where the aftermarket amplifier power supply ground is grounded (Fig. 1). Extend wire if necessary. This wire must be grounded before plugging in RCA cables. Failure to do so may result in aftermarket amplifier and/or interface to become damaged.
Green 22ga. wire - ground the Green wire to chassis ground if you want the C2A-GM24 outputs to fade out when you fade to the front on the radio.
Blue 22ga. wire - ground the Blue wire to chassis ground if you want the C2A-GM24 outputs to fade out when you fade to the rear on the radio. If you want non fading outputs, insulate both the Blue and Green 22ga. wire separately.
2. Remove factory 24 pin connector from head unit. Insert the C2A-GM24 male plug into the radio. Plug factory 24 pin male connector into the C2A-GM24 female connector as shown in Fig.1 below.
3. Plug RCA cables from aftermarket amplifier into C2A-GM24. Be sure that the C2A-GM24 black wire is grounded first.
4. Connect the Blu/Wht wire from C2A-GM24 to remote input of aftermarket amplifier. Maximum current output on the Blu/Wht wire is 300 ma.
5. Follow amplifier instructions for connecting speaker wires and power to aftermarket amplifier.

Testing

1. Turn ignition on. Turn radio on and set to minimum volume. Aftermarket amplifier will be off at minimum volume. Turn volume up 1 notch and aftermarket amplifier will turn on within 2 seconds.
2. Adjust radio volume up 2 to 3 clicks so audio can be heard. Adjust the levels on the C2A-GM24 to about 1/4 clockwise to increase output.
3. Adjust amplifier's gain adjustments until music is balanced with the factory stereo system.
4. If the adjustments on the aftermarket amplifier is at minimum and the music is louder than the factory system, turn the gains on the C2A-GM24 down until balanced.
5. If the adjustments on the aftermarket amplifier is at maximum and the music is lower than the factory system, turn the gains on the C2A-GM24 up until balanced. If you still can not get the volume up to factory sound level, check to see if the aftermarket amplifier has a sensitivity switch to accept sources with less voltage output.
6. If the Blue or Green wires are not grounded, the outputs will not vary in volume as the radio is faded to the front or rear. However, the C2A-GM24 is designed to turn off the outputs when you fade to the last couple of notches in either the front or rear position.
7. If the Green wire is grounded and you start to fade to the front, the C2A-GM24 outputs will fade out. If the Blue wire is grounded when you start to fade to the rear, the C2A-GM24 outputs will fade out. The C2A-GM24 is designed to turn off the outputs when you fade to the last couple of notches.

Note:

1. The C2A-GM24 must be inserted at factory radio. It will not work at the factory amplifier.
2. When ever you adjust the volume of the radio to minimum, the aftermarket amplifier will turn off. When you turn the volume up from minimum, there will be a delay before the amplifier turns on and sound is heard.

Specification:

Frequency Response - 20Hz - 20kHz.
Maximum signal voltage output - 1.3 volts +/- 5%.

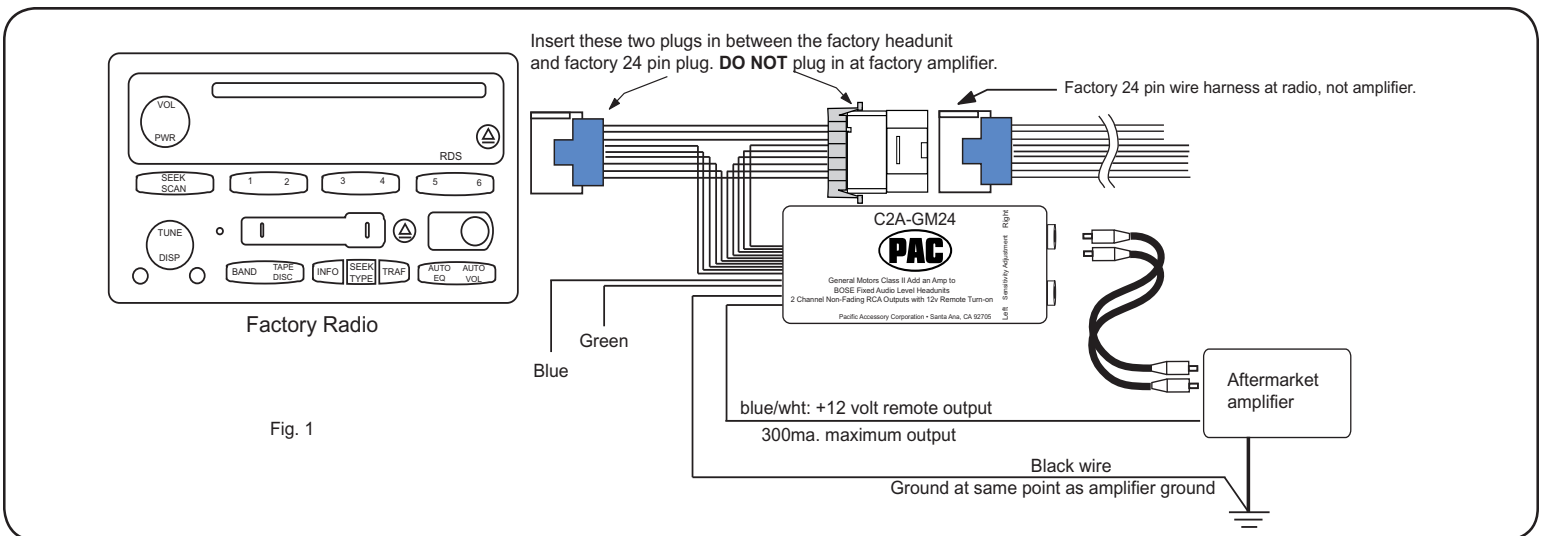


Fig. 1