

AAI-GM12

Class II Auxiliary Audio Input for GM Vehicles

The AAI-GM12 allows direct interface of any preamp level audio source to a GM factory radio, eliminating the need for sound degrading solutions like an FM modulator. The AAI-GM12 interface inputs sources from units such as a DVD, VCP, MP3, Satellite Radio or PlayStation.

Requirements: 2003-2006 SUV's and trucks with a RDS or Navigation radio. The SUV or truck must have a factory XM receiver, factory DVD Rear Seat Entertainment (RSE) or factory/aftermarket CD changer (factory 6 disc changer built in the radio does not qualify).

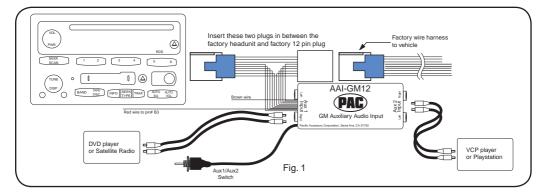
- · Lower cost and higher quality sound than a FM modulator.
- Perfect for SUV's like Escalade, Tahoe, Suburban, Denali and Yukon.
- Comes with a three position switch which allows you to switch between two auxiliary inputs and the factory slave unit.
- · High quality audio isolation IC eliminates engine noise.
- · Internal CMOS electronic switching for long term reliability.
- · Completely plug & play. Requires no external wiring.

Installation

- Remove factory 12 pin connector from headunit and insert the AAI-GM12 male plug in it's place. Plug factory 12 pin connector into the AAI-GM12 female connector as shown in Fig.1 below.
- 2. Connect the red wire from AAI-GM12 to pin# B3 of main 24 pin connector of factory radio. Pin# B3 supplies power to the AAI-GM12 when the key is in the ignition. The wire in B3 will either be a pink or dark green. Some newer vehicles do not have a remote output. You will have to locate a switched +12volts at the fuse box. Fuse wire with an 1 amp fuse. When key is removed and door closed, the factory radio will still stay on, but the AAI-GM12 will turn off.
- Plug RCA cables from first audio source into Aux1 input of AAI-GM12. If there is a second audio source, plug RCA into Aux2 input.
- 4. Mount the toggle switch in a suitable location and insert the 1/8" plug into the AAI-GM12.

Testing

- 1. Turn radio on and select either XM band or the CD changer source.
- 2. With the switch in the middle position you should hear XM or CD audio.
- 3. When you flip the switch left or right of the middle position, you should hear Aux1 or Aux2 audio.
- 4. **Portable Players:** Connect the brown wire to chassis ground only if the portable player or other audio source is not using the vehicle's battery as a power supply.



Using external video source to automatically trigger the AAI-GM12 for Aux2

Most overhead video consoles have a +12 volt trigger output when the video system is turned on. Use a SPDT relay as shown and connect pin 30 of relay to the AAI-GM12 switch's red wire or the middle terminal of the 1/8" plug. Connect pin 87 to the AAI-GM12 switch's shield wire or the shield of 1/8" plug. Use Aux2 as the external audio source input and leave switch in the middle position. This automatic feature will only work on Aux2 input and not Aux1.

