



AX-ADCT4

Wire Color & Function: The audio and power input wire colors are an EIA standard for car stereo applications as follows.

INPUT HARNESS

WHITE = LEFT Front (+) Input
WHITE/BLACK = LEFT Front (-) Input
GRAY = RIGHT Front + Input
GRAY/BLACK = RIGHT Front (-) Input
GREEN = LEFT rear (+) Input
GREEN/BLACK = LEFT rear (-) Input
PURPLE = RIGHT rear (+) Input
PURPLE/BLACK = RIGHT rear (-) Input

POWER HARNESS

YELLOW = BATTERY +12V Input
BLACK = POWER (-) GROUND Input
BLUE = REMOTE +12V Output
BLACK/WHITE = Reference Ground(-)

OUTPUT HARNESS

WHITE = LEFT Front (+) Output
WHITE/BLACK = LEFT Front (-) Output
GRAY = RIGHT Front + Output
GRAY/BLACK = RIGHT Front (-) Output
GREEN = LEFT rear (+) Output
GREEN/BLACK = LEFT rear (-) Output
PURPLE = RIGHT rear (+) Output
PURPLE/BLACK = RIGHT rear (-) Output

NOTE: Be sure that all audio input connections are polarized or in phase with each other. That is, the positive output wires from the audio source need to be connected to the corresponding positive input wires of the AX-ADCT4. The same goes for the negative audio wires. Failure to do this will result in poor bass response and low quality audio.

Adjusting the AX-ADCT4 for maximum performance: After completing all of the necessary connections, turn the AX-ADCT4 adjustment pots all of the way down by rotating them completely counter-clockwise. Now, turn the stereo system on and adjust the main volume control on the stereo to approximately $\frac{3}{4}$ maximum volume. Select one of the adjustment pots on the AX-ADCT4 and turn it slowly clockwise until you notice audio distortion and then stop. Turn the remaining pots to the same position as the previously adjusted pot. The audio set-up of the AX-ADCT4 is now complete and ready to be enjoyed.



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INSTALLATION INSTRUCTIONS

A 4 Channel Adjustable, Line Output Converter (LOC) with Built-in Amplifier Remote Generator

The AX-ADCT4 is designed to convert 4 channels of speaker level audio into 4 channels of line level audio that can be used by OEM amplifiers. It can also be used with OEM radios to add aftermarket amplifiers. This device will also detect the presence of an audio signal and then generate a +12V output (verified by an illuminated LED) that can be used to turn-on an aftermarket amplifier.

Features & Specifications: The AX-ADCT4 is able to handle 80 watts per channel continuous input without over heating. The input circuitry is designed to correct the crossover distortion commonly found on standard LOCs while providing a high to low level step down of 6:1. Output audio level is infinitely adjustable using the onboard, high quality potentiometers. The remote output or amplifier trigger is rated at 500mA (+12V) and will easily handle an outboard relay if additional current is needed. The remote output will trigger instantaneously when the AX-ADCT4 detects a DC voltage on the white, left + audio input wire above 5V or a very low audio signal. It will shut off 60 seconds after no signal is detected.

Installation: The AX-ADCT4 should be installed on a stereo's speaker output wires or the output wires on an OEM amplifier of up to 80 watts per channel. These wires can be found behind the stereo in the dash, on the output of an OEM amplifier, or on the input terminals on the OEM speakers. Please refer to the wiring diagram for the input connection details.



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