



ADCT4 **4 Channel, Adjustable,** **Line Output Converter (LOC)** **with Built-In Amplifier Remote Generator**

The **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; the optional DC4-RCA harness is required. 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 **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 **ADCT4** detects a DC voltage on the white, left + audio input wire above 5V or a very low audio signal. *The **ADCT4** will shut off 30 seconds after no signal detected.*

Installation: The **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.

Wire Color & Function: The audio 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

OUTPUT 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
GRAY = POWER (-) GROUND Input
BLUE = REMOTE +12V Output
BLACK/WHITE = ReferenceGround(-)

***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 **ADCT4**. The same goes for the negative audio wires. Failure to do this will result in poor bass response and low quality audio.*

See back of sheet for adjusting the ADCT4
for maximum performance



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Adjusting the ADCT4 for maximum performance: After completing all of the necessary connections, turn the **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 3/4 maximum volume. Select one of the adjustment pots on the **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 **ADCT4** is now complete and ready to be enjoyed.

