

AX-MLOC745 Installation Instructions

A 4 Channel Adjustable, Line Output Converter (LOC) with Built-in Amplifier Remote Generator. The LOC 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 that can be used to turn-on an aftermarket amplifier.

Features and specifications

The LOC is able to handle 150 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 LOC 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 LOC should be installed on a stereo's speaker output wires or the output wires on an OEM amplifier of up to 150 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.

(Continued on other side)





Wire color and 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
 Brown = reference ground (-)

Note: *Be sure that all audio input connections are polarized or in phase with each other. Failure to do this will result in poor bass response and low quality audio.*

Adjusting the LOC for maximum performance: After completing all of the necessary connections, turn the LOC 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 LOC 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 LOC is now complete and ready to be enjoyed.



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Metra recommends MECP certified technicians

Caution: *Metra recommends disconnecting the negative battery terminal before beginning any installation. All accessories, switches, and especially air bag indicator lights must be plugged in before reconnecting the battery or cycling the ignition.*

Note: *Refer to the instructions included with the aftermarket radio.*



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