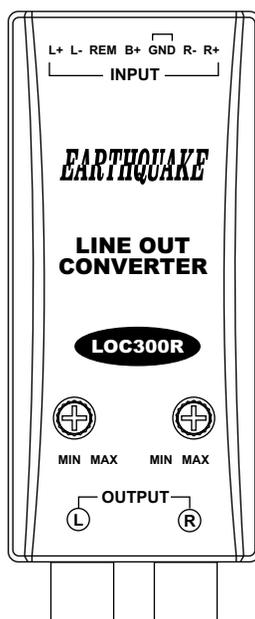




The Sound That Will *Move* You

# LOC-300R

**2-Channel Adjustable Line Out Converter**



## PRODUCT MANUAL

Earthquake Sound Corporation  
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# Introduction

Earthquake Sound's LOC-300R is a differential line out converter. It can bring a high-powered output of an amplifier down to a low-level signal input of between 0.1V and 15.1V depending on the input power of the LOC-300R. This allows the LOC-300R to “piggyback” off of a pre-existing system without the need of running a signal wire or dealing with factory radios in car audio applications. The gain knobs allow you to fine tune the output voltage to within your amplifier's range. The LOC-300R also offers an optional 12VDC input that can be used to power up the amplifier when the vehicle starts in car audio applications

The LOC-300R's “differential” traits mean that it also offers magnetic isolation between the input and output which removes the risk of shorting the factory amp or radio. The magnetic isolation has made the LOC-300R a popular option for owners of leased or financed vehicles who cannot modify the pre-existing system.

The LOC-300R can also be used in home audio to add a woofer to an existing system with a minimal addition of wires. The LOC-300R can also be used in conjunction with the Hum Kleaner which has been proven to be useful in pro sound applications. The Hum Kleaner increases the gain at the source of a long run distance. At the end of the run the LOC-300R can be used there to reduce the signal down to an amplifier input level.

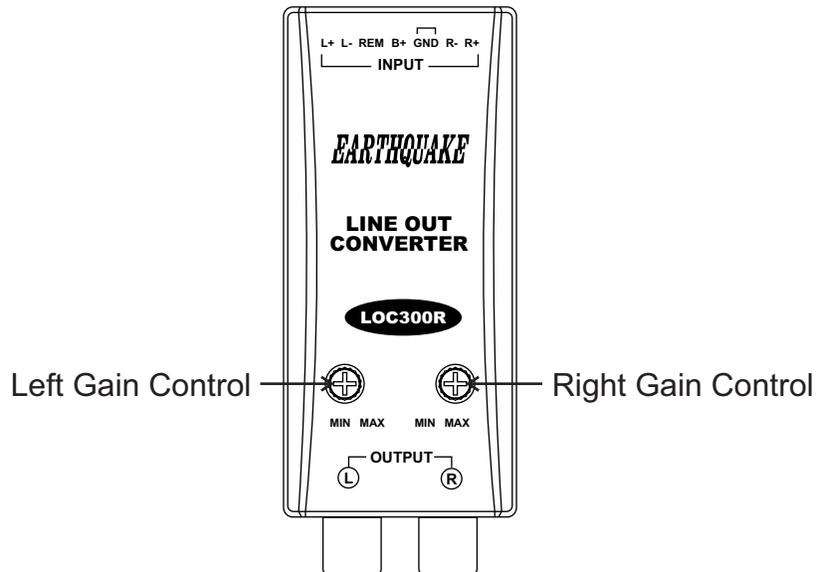
It has also been tested to withstand up to 800W at 2-Ohms so it can be used on several high-powered applications. Additionally, the LOC-300R features a remote input giving you full control of your system.

The LOC-300R provides a simple, reliable, and cost-effective solution in almost any application.

## **Features**

- Input audio optimizing circuitry
- Output audio optimizing circuitry
- Independent level controls
- Integrated wire strain relief

# Setting Gain on LOC-300R



INPUT SIGNAL FROM AMPLIFIER				GAIN KNOB TURNS FROM MIN POSITION	OUTPUT LEVEL VOLTAGE
Voltage	Watts/2Ω	Watts/4Ω	Watts/8Ω		
10V	50W	25W	12.5W	1/4T	1.2V
				1/2T	2.8V
				3/4T (MAX)	3.8V
15V	112W	56W	28W	1/4T	1.8V
				1/2T	4.3V
				3/4T (MAX)	5.6V
20V	200W	100W	50W	1/4T	2.2V
				1/2T	5.5V
				3/4T (MAX)	7.5V
25V	312W	156W	78W	1/4T	2.5V
				1/2T	7V
				3/4T (MAX)	9.4V
30V	450W	225W	112W	1/4T	3.3V
				1/2T	8.2V
				3/4T (MAX)	11.3V
35V	612W	306W	153W	1/4T	4.1V
				1/2T	10.0V
				3/4T (MAX)	13.2V
40V	800W	400W	200W	1/4T	4.5V
				1/2T	11.5V
				3/4T (MAX)	15.1V



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# Application Example

