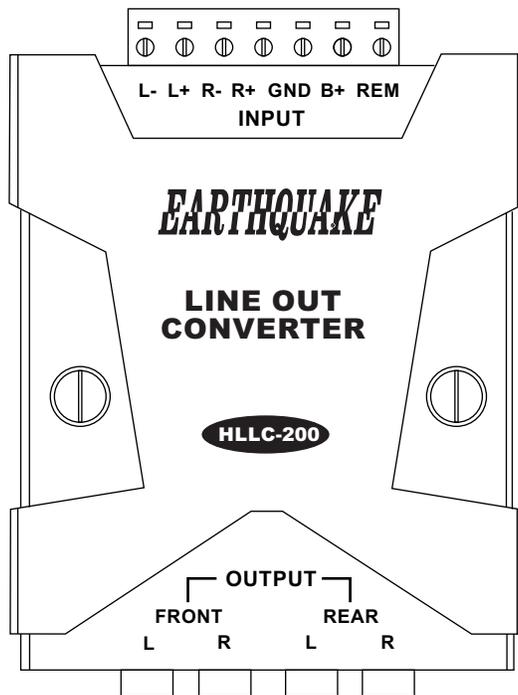


The Sound That Will *Move* You

HLLC-200

High Low Level Converter



PRODUCT MANUAL

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HLLC-200 Product Manual

The HLLC-200 is a high-power differential high low adapter with several beneficial uses. The HLLC-200 can reduce the high-power output of an amplifier to that of a low-level signal input in RCA down to between 0.1 and 6 Volts. This is especially useful with factory or aftermarket radios that do not provide dedicated RCA outputs.

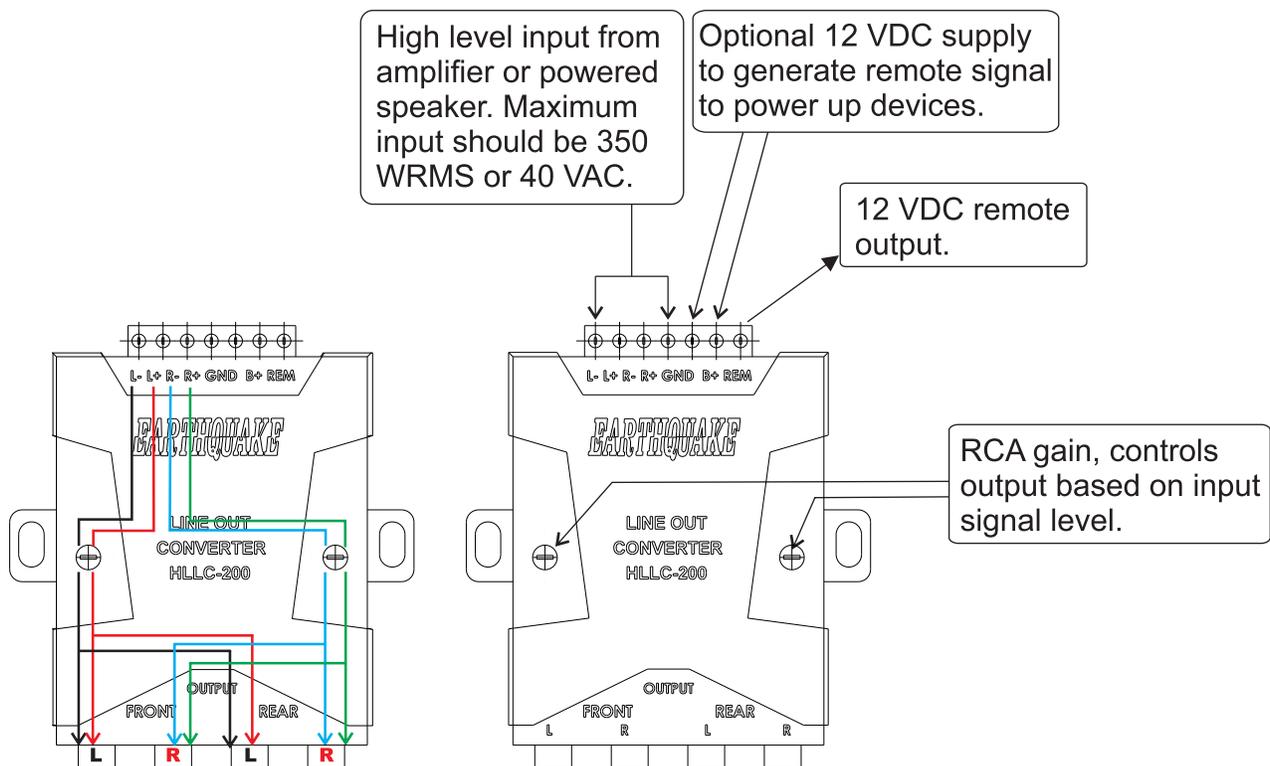
The “differential” aspect of the HLLC-200 is that the input and output are magnetically isolated from one another. This means that the low-level signal does not share a ground with the high-power speaker wire allowing safe usage with bridged type, self-bridged, and single output amplifiers without shorting the output. This greatly simplifies car audio amplifier installations by eliminating the need to run a signal wire from the factory radio and avoid any issues with the factory amplifier and radio that have been known to be more temperamental on newer vehicles. This is especially useful on leased vehicles, for people who want a simple and fully reversible audio solution.

The HLLC-200 also offers an optional 12VDC input that can be used to power up the amplifier when the vehicle starts, as well as a 12VDC remote output for gain control of the amplifier.

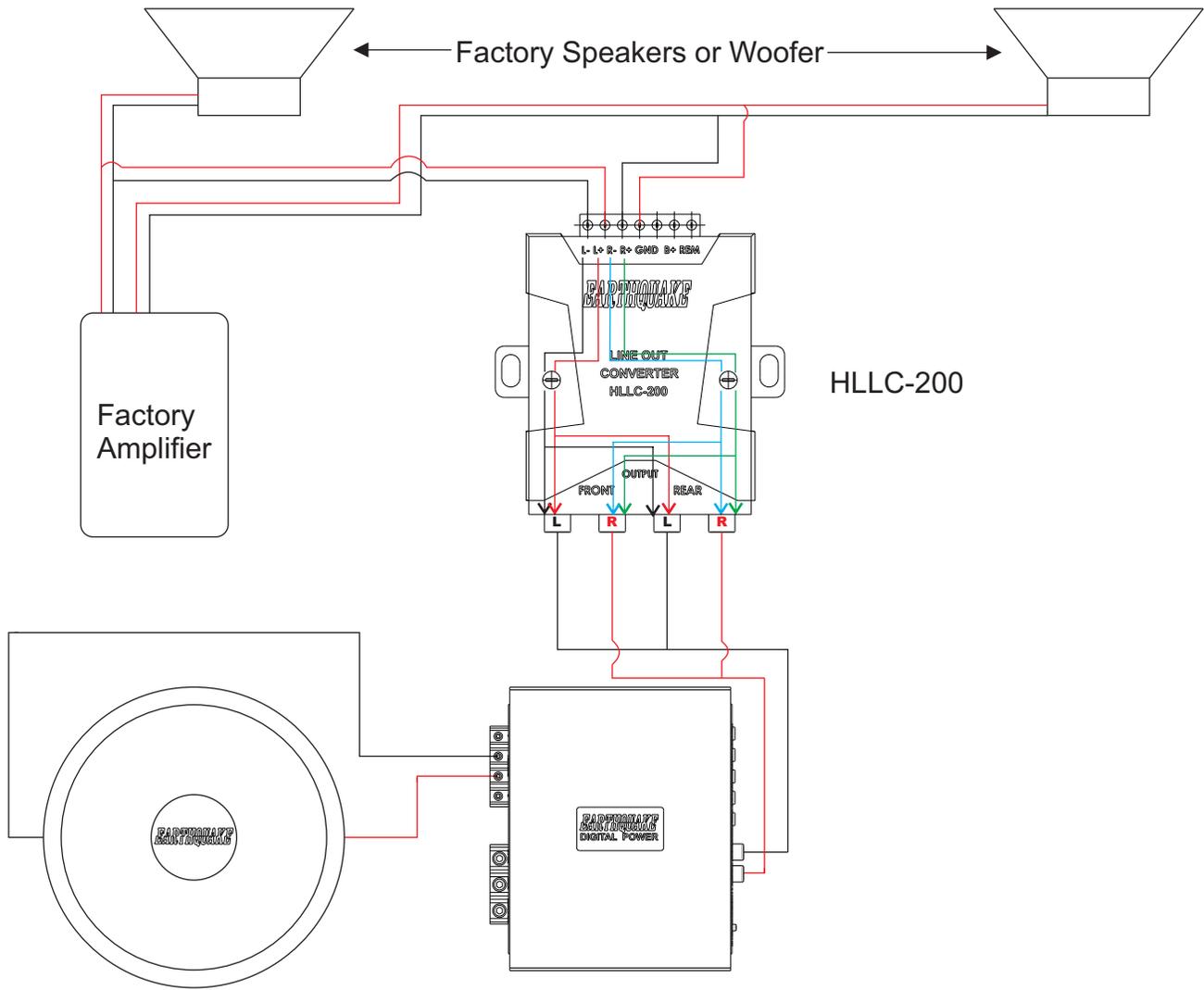
The HLLC-200 can also be used on home audio as well. For example, if there is a system with two powered speakers and woofer is to be added. All you need to do is supply the high power from the speakers to the HLLC-200 which will provide a low-level signal input for the woofer without the need of a sub-out on the receiver.

The HLLC-200 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 HLLC-200 can be used there to reduce the signal down to an amplifier input level.

The HLLC-200 can be used in all areas of audio applications and can simplify almost any setup at an affordable price.



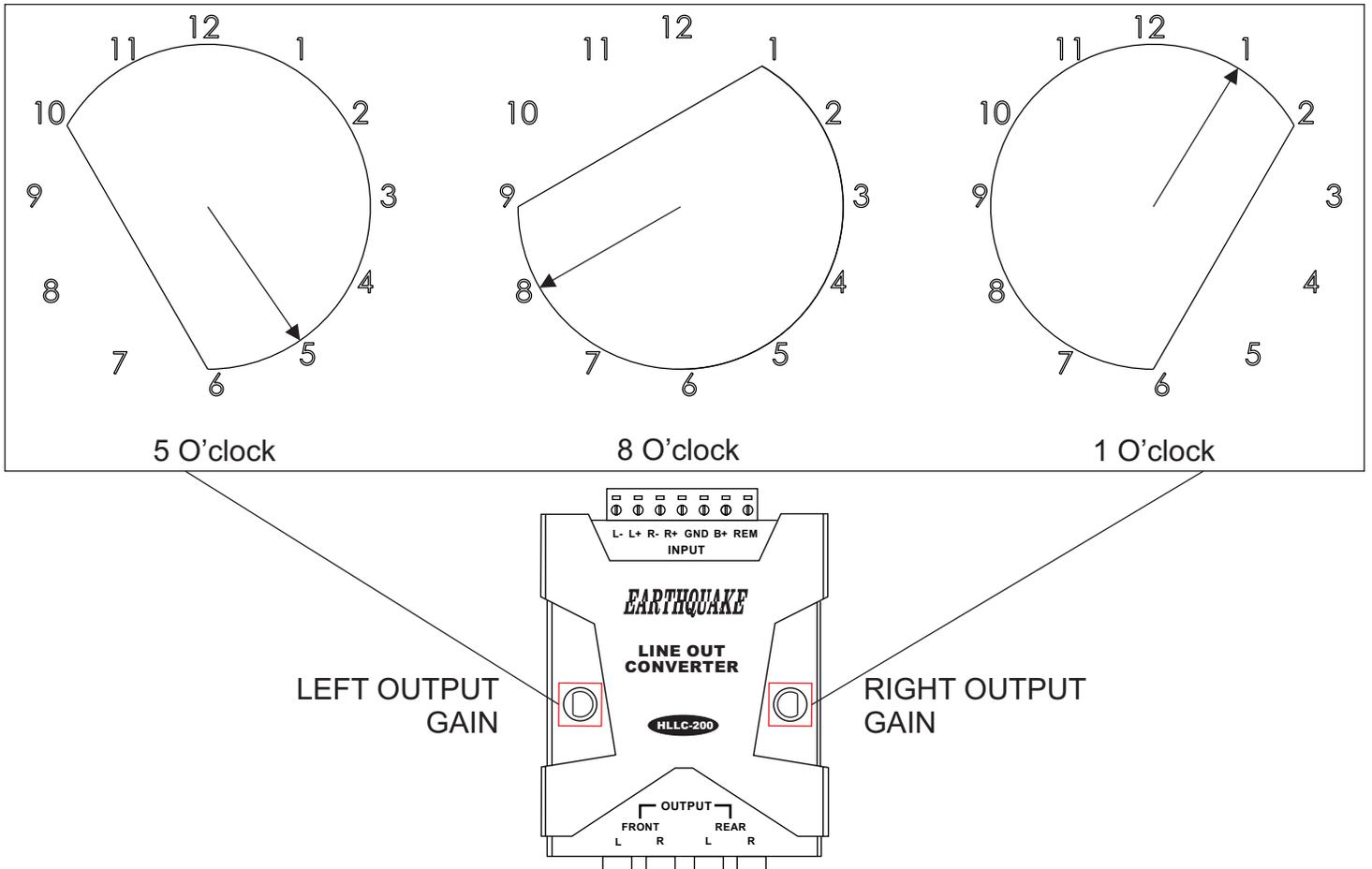
Application Example



Aftermarket Amplifier and Woofer

Setting Gain on HLLC-200

Gain Knob Clocking Positions



INPUT SIGNAL FROM AMPLIFIER				GAIN KNOB CLOCKING	OUTPUT LEVEL VOLTAGE
Voltage	Watts/2Ω	Watts/4Ω	Watts/8Ω		
6V	18W	9W	4.5W	5 O'clock	1V
				8 O'clock	0.5V
				1 O'clock	0.3V
12V	72W	36W	18W	5 O'clock	2V
				8 O'clock	1V
				1 O'clock	0.7V
24V	288W	144W	72W	5 O'clock	4V
				8 O'clock	2V
				1 O'clock	1.3V
36V	N/A	324W	162W	5 O'clock	6V
				8 O'clock	3V
				1 O'clock	2V