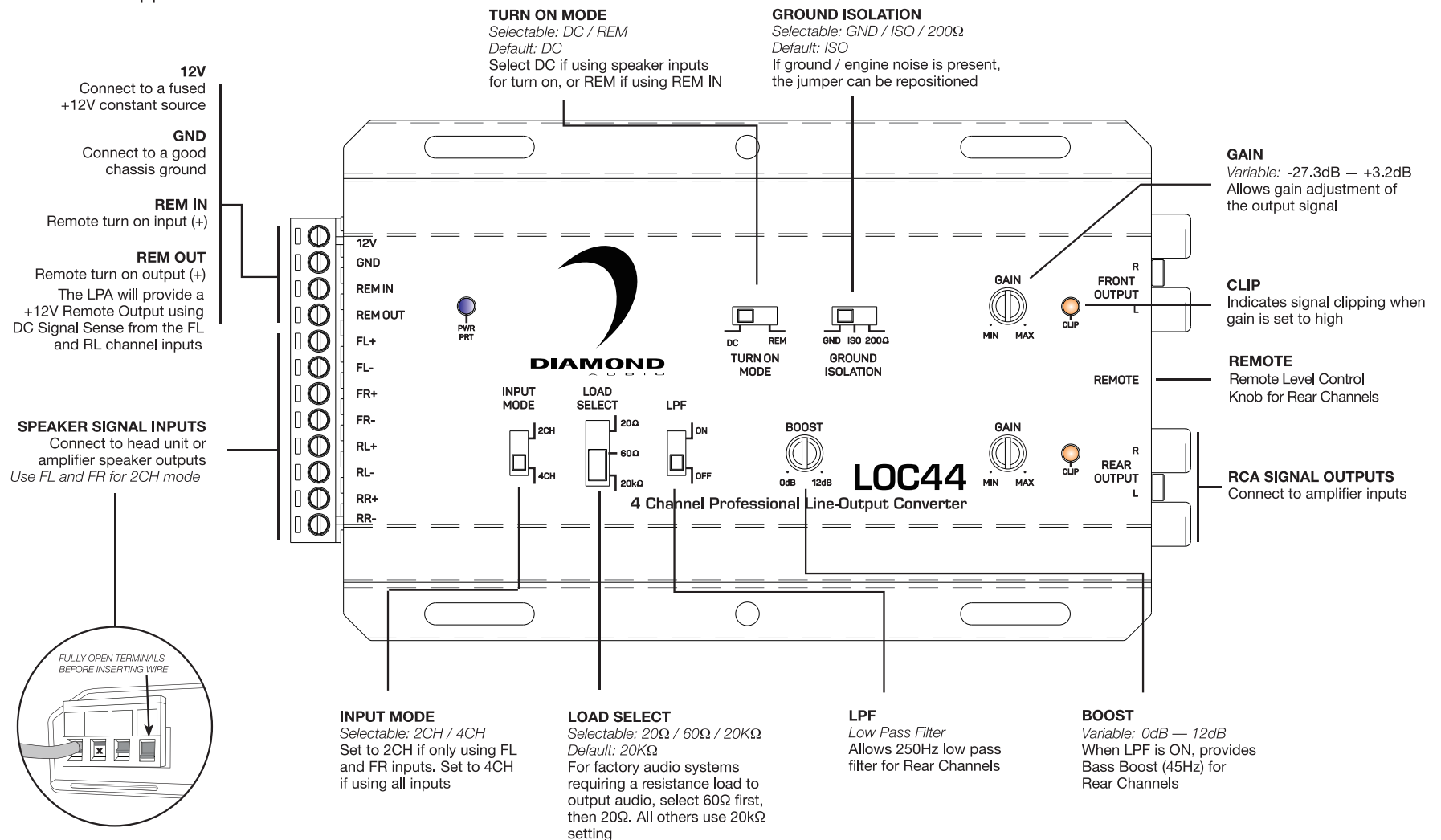


Quick Start Guide

The Diamond Audio LOC44 can be used to add amplifiers to an audio system that does not have RCA outputs or when replacing OEM Radio and retaining the factory amplified system. Variable Gain Controls with Clipping Indicators, Selectable Ground Isolation and Load Select features ensure a pure, noise-free signal for any type of audio system.

This Quick Start Guide will get you going, but if you need additional help or information, please visit our website or contact Technical Support.

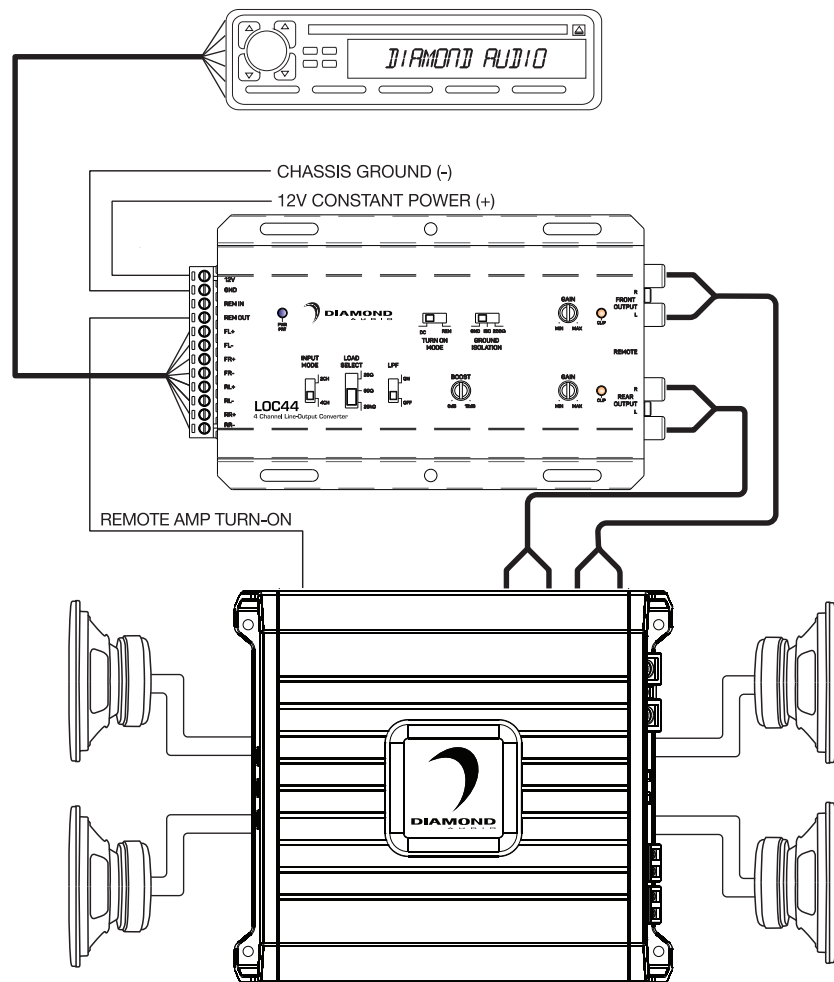
Features & Wiring Information



Installation

Speaker level input from a radio to RCA level output for an aftermarket amplifier is the most commonly used configuration for the LOC44. This will create RCA level outputs from a radio that only has speaker level outputs.

Below, the 4 speaker outputs from the factory radio are disconnected from the speakers and connected to the Speaker Signal Inputs of the LOC44. The REM OUT is connected to the amplifier's turn-on. When the radio is turned on the LOC44 will automatically turn on the amplifier. The RCA Signal Outputs from the LOC44 are connected to the amplifier's inputs. The speaker outputs from the aftermarket amplifier are then connected to the speakers.



For more installation examples, tech tips and updates, visit the DIAMOND AUDIO product pages on DiamondAudio.com



Specifications

Model Number	LOC44
Channels	4 IN / 4 OUT
Operating Voltage	9V – 16V
Max Input Level (20kΩ Load Setting)	40V / 400W @ 4 ohms
Auto Turn On	DC Offset / Remote
Output Voltage MAX @ 13.8V	9.5V RMS
Turn On Trigger (DC-Offset)	3V – 7V
Load Input Impedance	20Ω, 60Ω, 20KΩ
Output Impedance	<120Ω
Variable Gain Adjustment	-28dB – +1dB
Signal To Noise	>110dBA @ 6.4V Output
THD+N	< 0.01%
Input Sensitivity	0.5V – 40V
Frequency Response	10Hz – 20kHz
Current Draw (Max)	110mA
Low Pass Filter	<250Hz (Rear Channels)
Bass Boost	0dB to +12dB (Rear Channels)
Clip Indicator	YES
Remote Level Control	0dB – 30dB
Chassis Type	Stamped Steel
Terminal Gauge	18AWG / Quick Connect

Technical Support

Phone: 213-261-4161

Email: ra@dat-cvm.com



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