

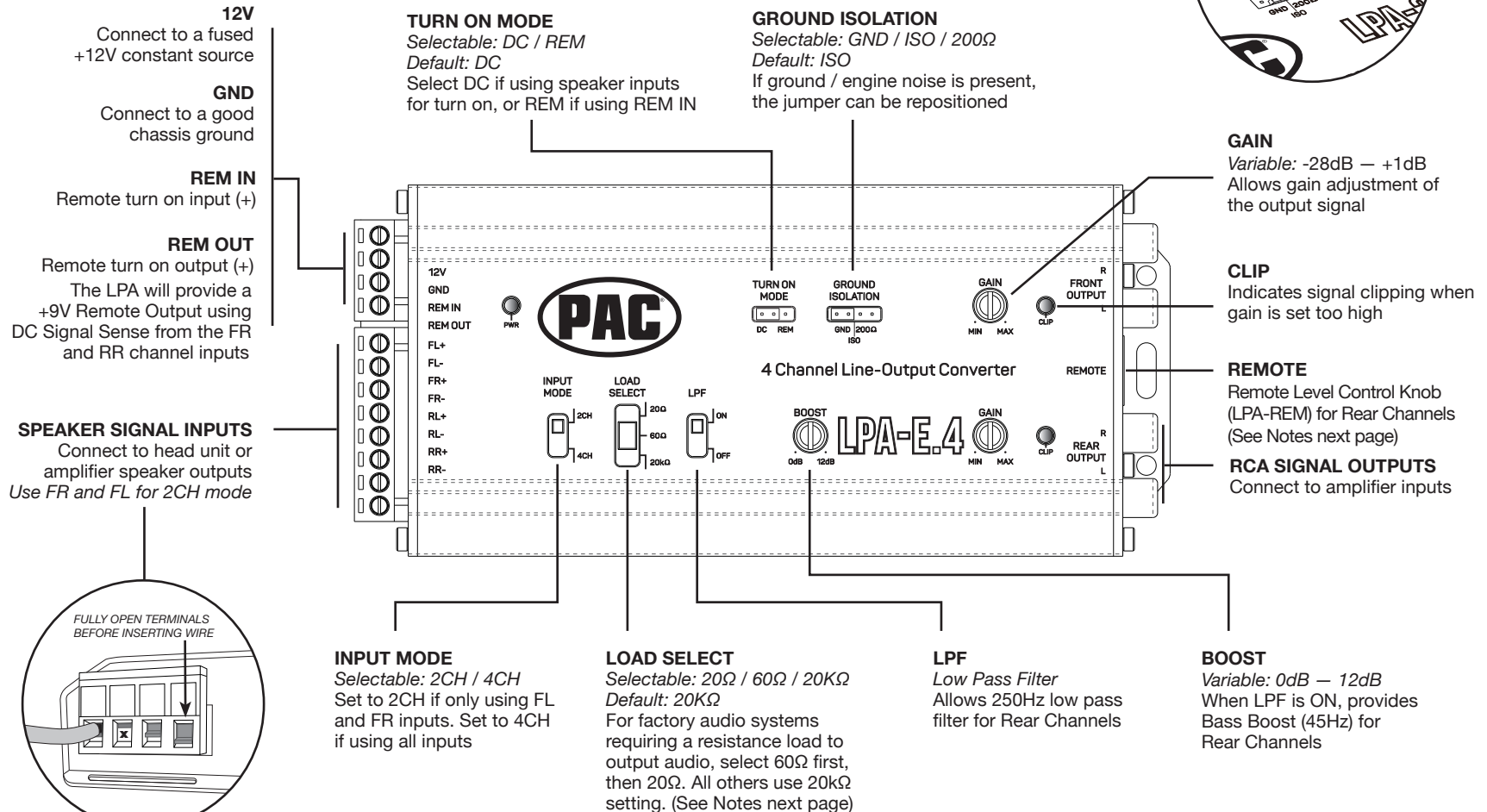
## LPA-E.4 | 4 Channel Line-Output Converter

### Quick Start Guide

The L.O.C.PRO ADVANCED™ can be used to add amplifiers to an audio system that does not have RCA outputs or when replacing an 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.

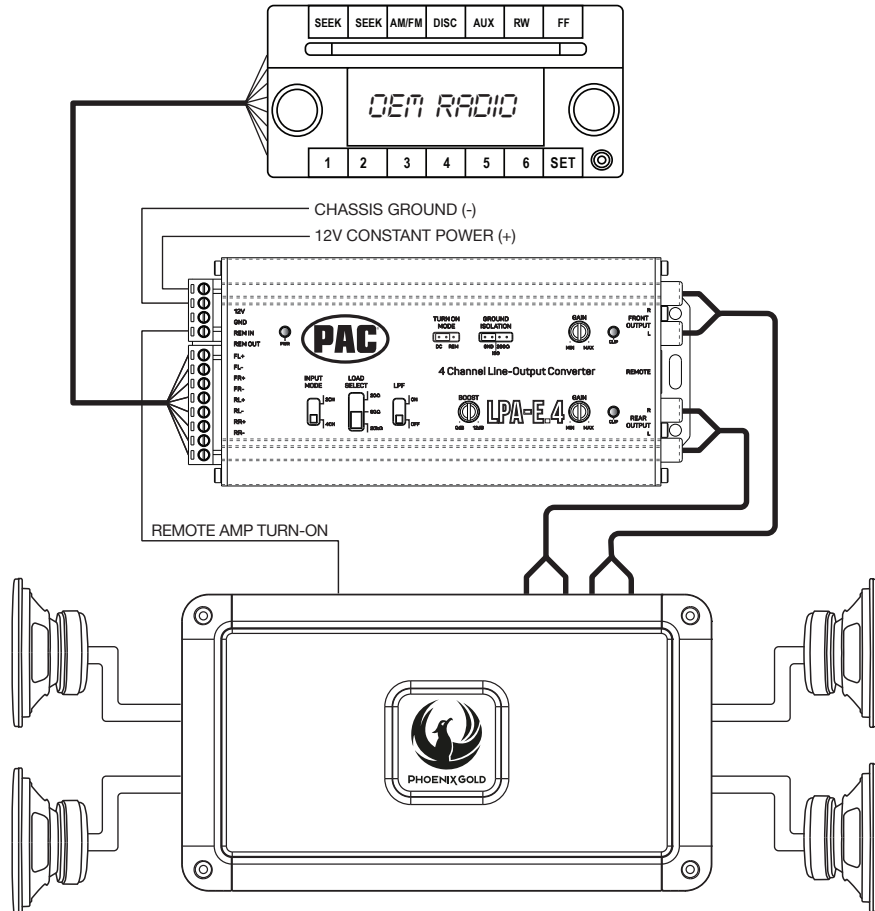
### Features & Wiring Information



## Example Installation

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

In the example below, the 4 speaker outputs from the factory radio are disconnected from the speakers and connected to the SPEAKER SIGNAL INPUTS of the LPA. The REM OUT is connected to the amplifier's turn-on. When the radio is turned on the LPA will automatically turn on the amplifier. The RCA SIGNAL OUTPUTS from the LPA are connected to the aftermarket 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 L.O.C.PRO ADVANCED product pages on [PAC-Audio.com](http://PAC-Audio.com)



## Specifications

Model Number	LPA-E.4
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	Aluminum Extrusion
Terminal Gauge	18AWG / Quick Connect

### NOTES:

**LOAD SELECT-** Some late model Dodge/Chrysler/Jeep/Ram/Fiat vehicles require a load for the audio system to work properly:  
 20 Ω - Vehicles equipped with base audio system.  
 60 Ω - Vehicles equipped with premium amplified audio system.  
 20 kΩ - Default, for all other vehicle applications.

When changing the Load, turn vehicle off, change the Load and let vehicle sit for 5-10 minutes, then retry.

**REMOTE-** It is always optimal to adjust the gain at the output side of the amplifier, thus it's recommended to use the Amplifier's Remote Knob when available.

