



PAC-audio LPA-E.4 4 Channel Line-Output Converter User Guide

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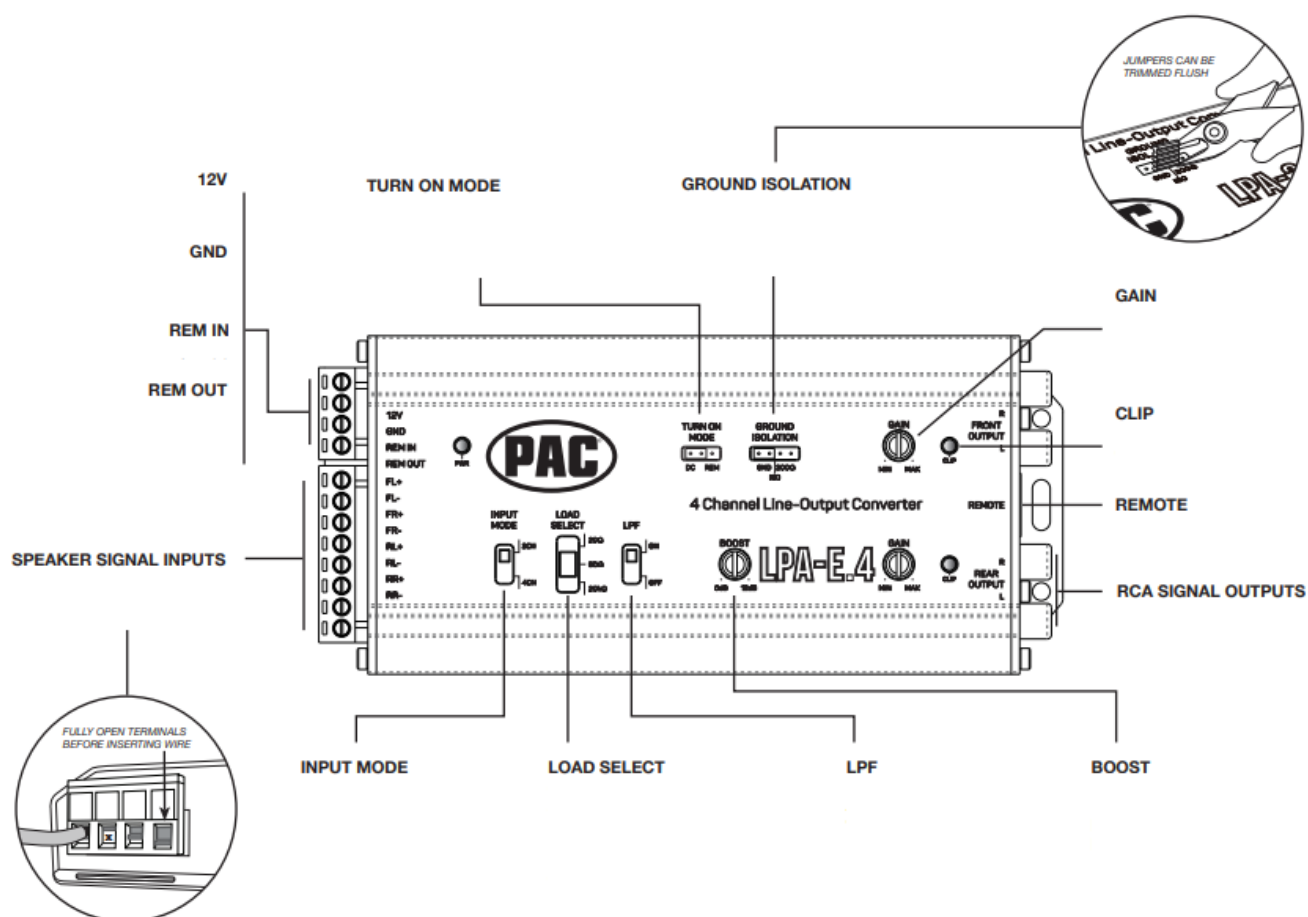
Quick Start Guide

The L.O.C.PRO ADVANCEDTM 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.

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Features & Wiring Information



- **12V**
Connect to a fused +12V constant source
- **GND**
Connect to a good chassis ground
- **REM IN**
Remote turn on input (+)
- **REM OUT**
Remote turn on output (+) The LPA will provide a +12V Remote Output using DC Signal Sense from the FR and RR channel inputs
- **SPEAKER SIGNAL INPUTS**
Connect to head unit or amplifier speaker outputs Use FL and FR for 2CH mode
- **TURN ON MODE**
Selectable: DC / REM Default: DC Select DC if using speaker inputs for turn on, or REM if using REM IN
- **GROUND ISOLATION**
Selectable: GND / ISO / 200Ω Default: ISO If ground / engine noise is present, the jumper can be repositioned
- **GAIN**
Variable: -28dB -+ 1dB Allows gain adjustment of the output signal
- **CLIP**
Indicates signal clipping when gain is set to high
- **REMOTE**
Remote Level Control Knob (LPA-REM) for Rear Channels

- **RCA SIGNAL OUTPUTS**

Connect to amplifier inputs

- **INPUT MODE**

Selectable: 2CH / 4CH Set to 2CH if only using FL and FR inputs. Set to 4CH if using all inputs

- **LOAD SELECT**

Selectable: 20Ω / 60Ω / 20KΩ Default: 20KΩ For factory audio systems requiring a resistance load to output audio, select 60Ω first, then 20Ω. All others use 20kΩ setting

- **LPF**

Low Pass Filter Allows 250Hz low pass filter for Rear Channels

- **BOOST**

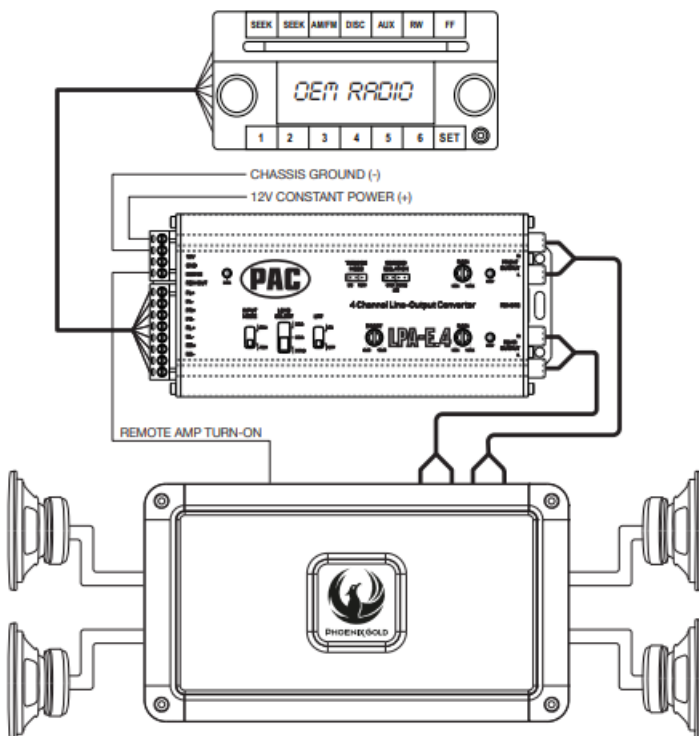
Variable: 0dB — 12dB When LPF is ON, provides Bass Boost (45Hz) for Rear Channels

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 amplifiers 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 amplifiers inputs. The mspeaker outputs from the aftermarket amplifier are then connected to the speakers.



Specifications

Model Number	LPA-E.4
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Channels	4 IN — 4 OUT
Operating Voltage	9V—16V
Max Input Level (20kH Ω 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	20 Ω , 60 Ω , 20K Ω
Output Impedance	<120 Ω
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

Technical Support

Phone: 727-592-5991

Email: support@aampglobal.com

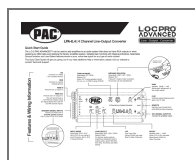
Chat: PAC-Audio.com

For more installation examples, tech tips and updates, visit the L.O.C.PRO ADVANCED product pages on PAC-Audio.com



L.O.C PROTM ADVANCED

Documents / Resources



[PAC-audio LPA-E.4 4 Channel Line-Output Converter](#) [pdf] User Guide

LPA-E.4, 4 Channel Line-Output Converter, Line-Output Converter, 4 Channel Converter, LPA-E.4, Converter

References

-  [PAC – Connecting cars and technology. Your total installation solution.](#)

Manuals+.