

L·O·C PRO **ADVANCED**

Line Output Converter

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

Quick Start Guide

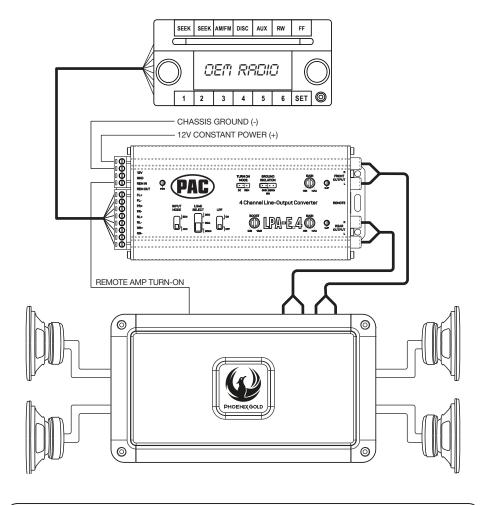
The L.O.C.PRO ADVANCED™ can be used to add amplifiers to an audio system that does not have RCA outputs or when replacing an OEM radio and retaining the factory amplified system. Variable Gain Controls with Clipping Indicators, Selectable Ground Isolation and Load Select features ensure a pure, noise-free 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 JUMPERS CAN BE contact Technical Support. TRIMMED FLUSH **GROUND ISOLATION TURN ON MODE** Connect to a fused Selectable: GND / ISO / 200Ω Selectable: DC / REM +12V constant source Default: ISO Default: DC Select DC if using speaker inputs If ground / engine noise is present, & Wiring Information the jumper can be repositioned for turn on, or REM if using REM IN Connect to a good chassis ground **GAIN** Variable: -27.3dB - +3.2dB **REM IN** Allows gain adjustment of Remote turn on input (+) the output signal 0 **REM OUT** 0 Remote turn on output (+) \bigcirc FRONT TURN ON GROUND ISOLATION The LPA will provide a GND Indicates signal clipping when 0 REM IN +12V Remote Output using 000 gain is set to high REM OUT DC Signal Sense from the FR 0 FL+ and RR channel inputs 0 FL-4 Channel Line-Output Converter REMOTE REMOTE FR+ 0 Remote Level Control Knob Ŏ (LPA-REM) for Rear Channels SPEAKER SIGNAL INPUTS 0 Connect to head unit or Ŏ **RCA SIGNAL OUTPUTS** amplifier speaker outputs Ŏ Connect to amplifier inputs Use FL and FR for 2CH mode 0 -eatures FULLY OPEN TERMINALS **INPUT MODE** LOAD SELECT LPF **BOOST** Selectable: 2CH / 4CH Selectable: $20\Omega / 60\Omega / 20K\Omega$ Low Pass Filter Variable: 0dB - 12dB Set to 2CH if only using FL Allows 250Hz low pass Default: 20KΩ When LPF is ON, provides and FR inputs. Set to 4CH For factory audio systems filter for Rear Channels Bass Boost (45Hz) for if using all inputs requiring a resistance load to Rear Channels output audio, select 60Ω first. then 20Ω . All others use $20k\Omega$

setting

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 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



Specifications

Model Number	LPA-E.4
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	20Ω, 60Ω, 20ΚΩ
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

Technical Support

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