



cerwin-vega IOEM44 4 Channel Active Line-Output Converter User Guide

[Home](#) » [cerwin vega](#) » cerwin-vega IOEM44 4 Channel Active Line-Output Converter User Guide 



IOEM44 4 Channel Active Line-Output Converter



Contents

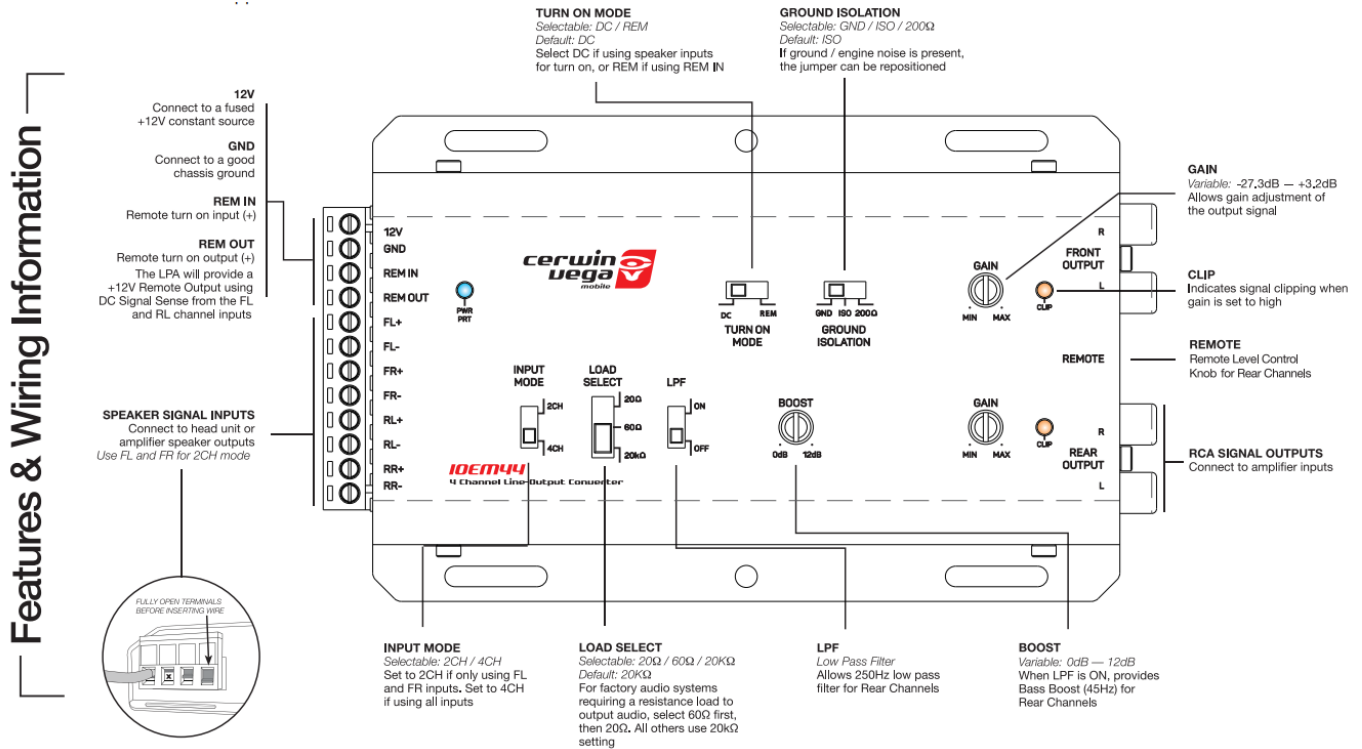
- [1 IOEM44 4 Channel Active Line-Output Converter](#)
- [2 Installation](#)
- [3 Specifications](#)
- [4 Documents / Resources](#)
 - [4.1 References](#)

IOEM44 4 Channel Active Line-Output Converter

Quick Start Guide

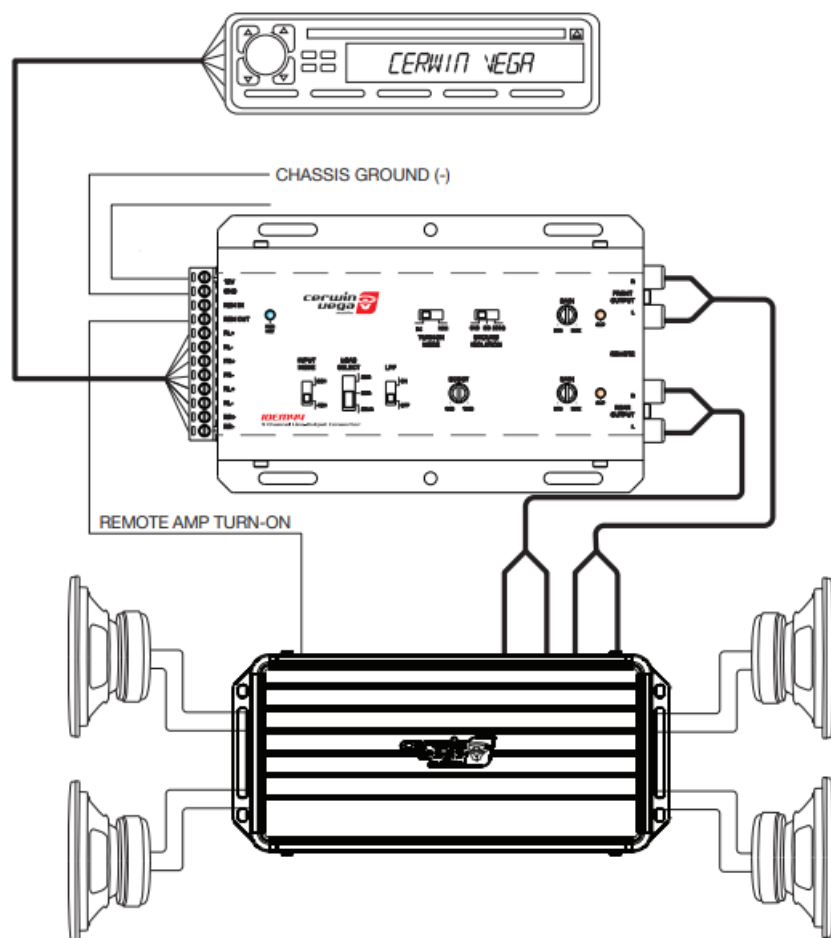
The Cherwin Vega Mobile IOEM44 can be used to add amplifiers to an audio system that does not have RCA outputs or when replacing OEM Radio and retaining the factory amplified system. Variable Gain Controls with Clipping Indicators, Selectable Ground Isolation and Load Select features ensure a pure, noise-free 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.



Installation

Speaker level input from a radio to RCA level output for an aftermarket amplifier is the most commonly used configuration for the IOEM44. 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 IOEM44. The REM OUT is connected to the amplifiers turn-on. When the radio is turned on the IOEM44 will automatically turn on the amplifier. The RCA Signal Outputs from the IOEM44 are connected to the amplifiers inputs. The speaker outputs from the aftermarket amplifier are then connected to the speakers.



<http://www.cerwinvegamobile.com>

For more installation examples, tech tips and updates, visit the CERWIN VEGA MOBILE product pages on [CerwinVegaMobile.com](http://www.cerwinvegamobile.com)

Specifications

Model Number	IOEM44
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	Stamped Steel
Terminal Gauge	18AWG / Quick Connect

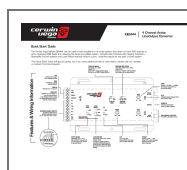
Technical Support

Phone: 213-261-4161

Email: ra@dat-cvm.com





Documents / Resources



[cerwin-vega IOEM44 4 Channel Active Line-Output Converter](#) [pdf] User Guide
IOEM44 4 Channel Active Line-Output Converter, IOEM44, 4 Channel Active Line-Output Converter, Active Line-Output Converter, Line-Output Converter, Output Converter, Converter

References

-  [Welcome to the Official Website Of Cerwin Vega! Making It Loud Since 1954, Cerwin Vega has been manufacturing audio & electronics for all vehicles](#)
-  [CVM Home - CVM IT & Cloud Services](#)

Manuals+.