




cerwin vega IOEM22 2 Channel Line-Output Converter User Guide

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IOEM22 | 2 Channel Line-Output Converter
IOEM24 | 4 Channel Line-Output Converter

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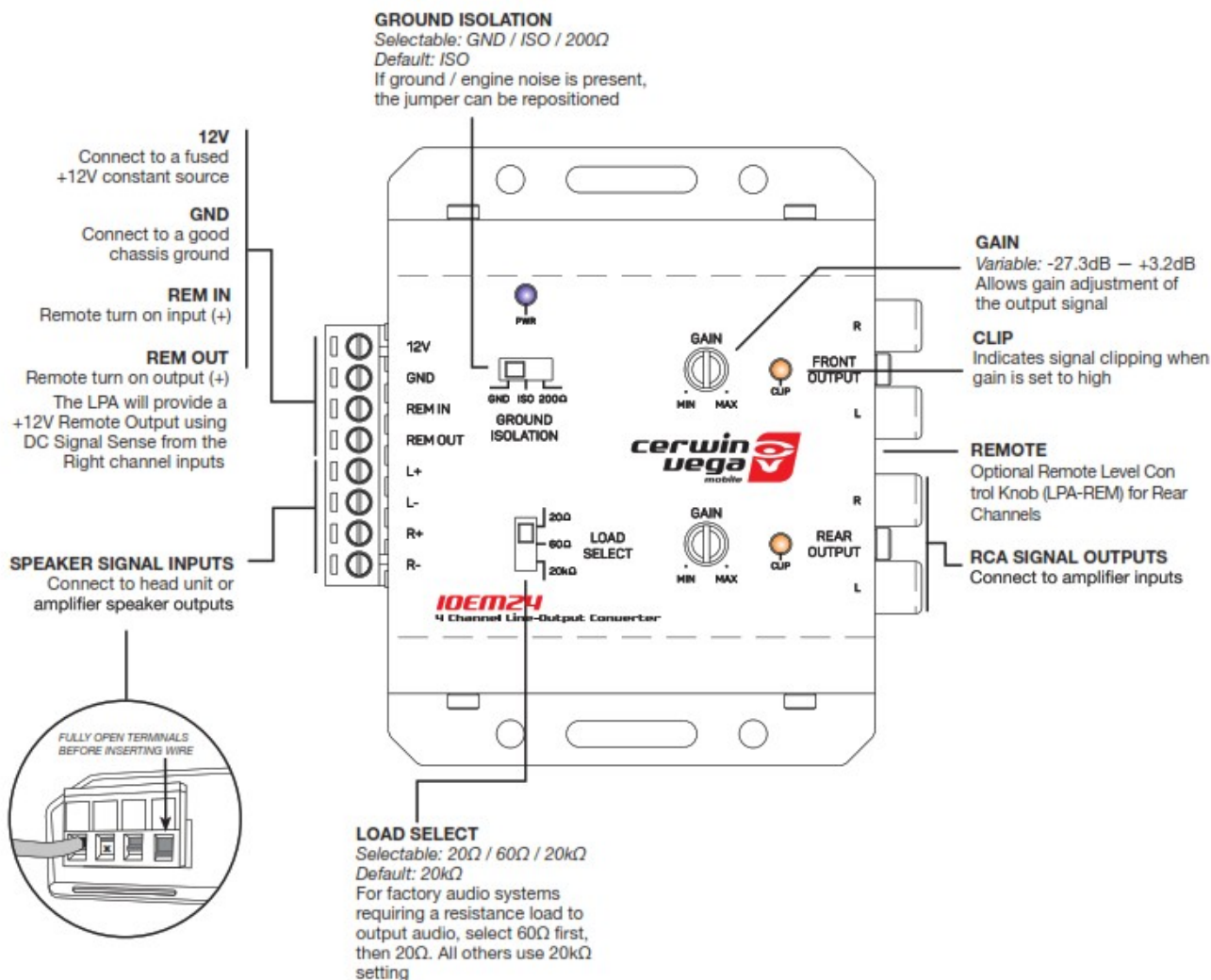
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Quick Start Guide

The Cerwin Vega Mobile IOEM22 and IOEM24 can be used to add amplifiers to an audio 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.

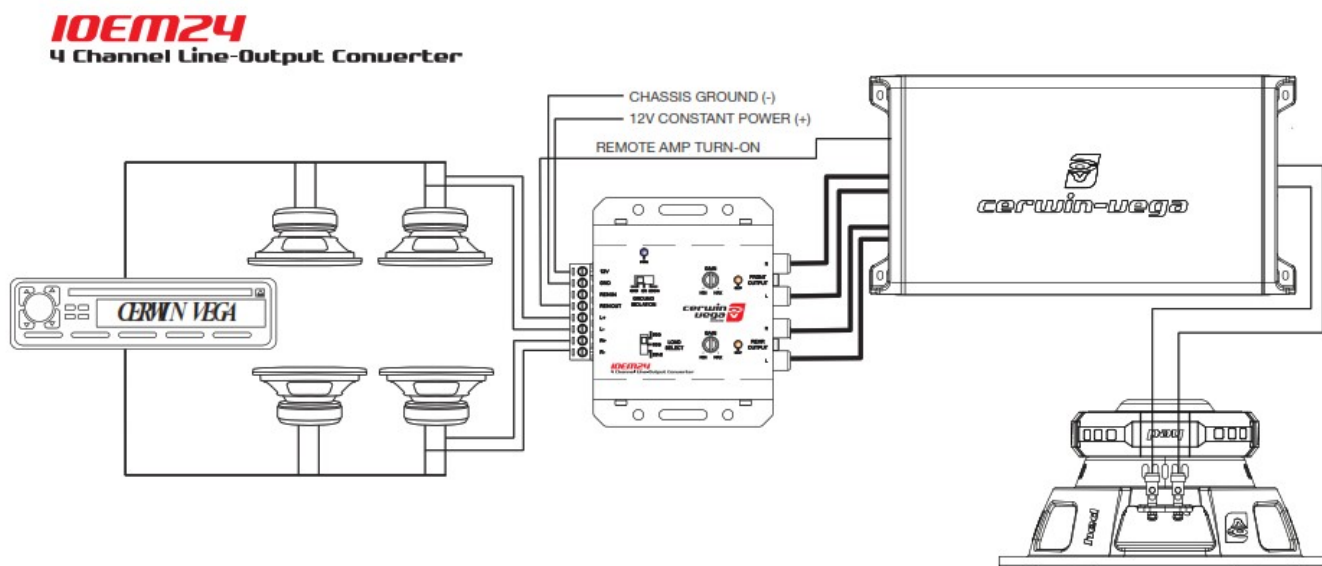
Features & Wiring Information



Installation

Speaker level input from a radio to RCA level output for an aftermarket amplifier is the most commonly used configuration for the IOEM22 and IOEM24. This will create RCA level outputs from a radio that only has speaker level outputs.

Below, the Positive (+) and Negative (-) wires of two speakers are “tapped” and connected to the amplifiers turn-on/ When the radio is turned on, the LPA will continue to play as normal. The REM OUT is connected to the amplifiers turn-on. When the radio is turned on, the Converter will automatically turn on the amplifier. Lastly, the RCA Signal Outputs from the LPA are connected to the aftermarket amplifiers inputs.



2 Channel Line-Output Converter



Specifications

Model Number	10EM22	10EM24
Channels	21N/20UT	2 IN / 4 OUT
Operating Voltage	9V-16V	9V-16V
Max Input Level (20kHz 11 Load Setting)	40V / 400W 0 4 Ohms	40V / 400W 0 4 Ohms
Auto Turn On	DC Offset / Remote	DC Offset / Remote
Output Voltage MAX 013.8V	9.5V RMS	9.5V RMS
Turn On Trigger (DC-Offset)	3V-7V	3V-7V
Load Input Impedance	200, 600, 201(0	200, 600, 20K0
Output Impedance	<1200	<1200
Variable Gain Adjustment	-28dB—+1dB	-28dB — +1dB
Signal To Noise	>110dBA 0 6.4V Output	>110dBA 0 6.4V Output
THD+N	<0.01%	<0.01%
Input Sensitivity	0.5V-40V	0.5V-40V
Frequency Response	10Hz —20kHz	10Hz— 20kHz
Current Draw (Max)	40mA	40mA
Low Pass Filter	<250Hz	<250Hz
Bass Boost	0dB to +12dB	0dB to +12dB
Clip Indicator	YES	YES
Remote Level Control	OPTIONAL (PN: LPA-REM)	OPTIONAL (PN: LPA-REM)
Chassis Type	Stamped Steel	Stamped Steel
Terminal Gauge	18AWG / Quick Connect	18AWG / Quick Connect

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



<http://www.cerwinvegamobile.com>

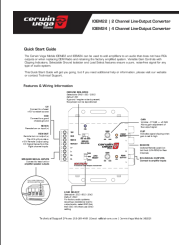


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Documents / Resources

	<p>cerwin vega IOEM22 2 Channel Line-Output Converter [pdf] User Guide IOEM22, IOEM24, IOEM22 2 Channel Line-Output Converter, IOEM22, 2 Channel Line-Output Converter, Converter, Line-Output Converter</p>
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References

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- [🏠 CVM Home - CVM IT & Cloud Services](#)

Manuals+.