

Limited Warranty

With the exceptions noted in the next paragraph, Vanco warrants to the original purchaser that the equipment it manufactures or sells will be free from defects in materials and workmanship for a period of two years from the date of purchase. Should this product, in Vanco's opinion, prove defective within this warranty period, Vanco, at its option, will repair or replace this product without charge. Any defective parts replaced become the property of Vanco. This warranty does not apply to those products which have been damaged due to accident, unauthorized alterations, improper repair, modifications, inadequate maintenance and care, or use in any manner for which the product was not originally intended.

Items integrated into Vanco products that are made by other manufacturers, notably computer hard drives and liquid crystal display panels, are limited to the term of the warranty offered by the respective manufacturers. Such specific warranties are available upon request to Vanco. A surge protector, power conditioner unit, or an uninterruptible power supply must be installed in the electrical circuit to protect against power surges.

If repairs are needed during the warranty period, the purchaser will be required to provide a sales receipt/sales invoice or other acceptable proof of purchase to the seller of this equipment. The seller will then contact Vanco regarding warranty repair or replacement.

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Specifications

Peak RMS Power Rating (Both Models)	350W/ch Continuous
Continuous RMS Power (Both Models)	105W/ch
Frequency Response	DC to 500kHz +/-0.1dB
Mounting Depth (VCRI)	1.8" (45mm)
Mounting Depth (VCSI)	1.6" (42mm)
Electrical Junction Box	Fits Single Gang Box
Speaker Impedance	2-16 Ohms (Single or Multiple Speakers)
Connection	Removable Screw Terminals



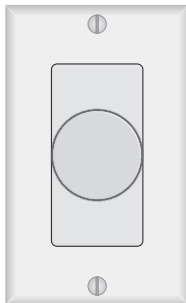
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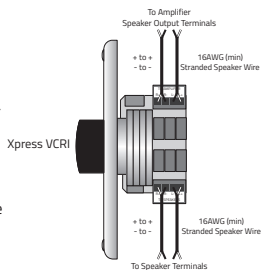
VCRI Rotary Knob, VCSI Slider Impedance Matching In-Wall Volume Controls Installation Guide



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Connections

1. Pull speaker wires through the installed J-box for the volume control.
2. Connect wires from the amp speaker OUT to the FROM AMP terminal on the volume control.
3. Strip approx 1/4" of insulation from each conductor. Twist ends so there are no loose ends that can cause shorts.
4. Insert the bare wires into the appropriate slot. Maintain proper polarity.
5. Tighten each terminal. Pull to test the connection.
6. Repeat Steps 2-5 to connect speaker wires to the FROM SPEAKERS terminal.

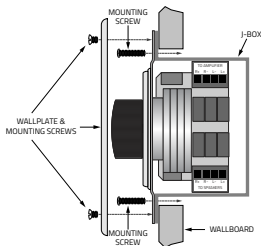


Use the Speaker Wire Gauge Table to determine proper wire gauge.

SPEAKER WIRE GAUGE TABLE	
SPEAKER WIRE LENGTH	SPEAKER WIRE GAUGE
150' (46m)	16AWG
400' (122m)	14AWG

Installation

1. Mount in an appropriate low voltage J-box. **Do not install in a box with 110VAC devices. This may be an electrical code violation in some areas.**
2. Carefully slide the connected volume control into the J-box. Do not pinch wires.
3. Secure volume control and wallplate as shown.



Connecting Multiple Volume Controls

The VCRI and VCSI are automatic impedance matching volume controls. That means multiple VCs and speaker pair can be connected to an appropriately powered amplifier. There are no jumper or switch settings as long as the overall load does not exceed the amps capability.

1. Use the same basic instructions for connecting the VCs to speakers as described in 'Connections'.
2. Connect all L+ wires to the L+ terminal on the amp. Connect All L- wires to the L- terminal on the amp. Connect all R+ wires to the R+ terminal on the amp. Connect All R- wires to the R- terminal on the amp.

3. Up to 6 VCRI/VCSI with one pair of 8 Ohm speakers per VC can be connected to a 4 Ohm capable amp as shown in the illustration.

4. Up to 4 pair of 8 Ohm speakers can be connected in parallel to a single VCRI/VCSI connected to a 2 Ohm capable amp.

NOTE: In a parallel connection, if all speakers have the same impedance, the total impedance is calculated by dividing the speaker impedance rating by the number of speakers.

