

INSTALLATION MANUAL



VCMute™

SPECIFICATIONS

Attenuator Type:	Tapped auto transformer.
Switch:	12 position rotary, make-before-break contacts, low torque specifications for smooth feel.
Connectors:	Screw-tight type.
Power rating:	Complies with UL 1492 @ 72 Watts RMS continuous, 35 Hz-20KHz, 216 Watts audio.
Core Saturation:	Studies reveal that transformer core saturation @ 35 Hz is 72 Watts.
Transformers:	Tri-filar wound for flat response and minimum phase shift, grain oriented, -34 dB in 12 steps. 8 steps @ -3 dB each, 1 step @ -4 dB, 1 step @ -6 dB, last step OFF.
Mounting:	Fits most standard single-gang junction boxes.
Optimatch™	Will match impedance for almost any situation. Mechanical index permits presetting load impedance multiplication by X2, X4, X8, X16, which can be changed at any time.
Power Supply:	Requires a 500ma, 12 vDC wall adapter.

INSTALLATION

Installation must be made by qualified service personnel, and must meet all local codes.

Your VCMute is equipped with Optimatch, a new concept in self-impedance matching controls. It can be used as a full range volume control, or as an impedance matching volume control that can be adjusted to meet the requirements of your installation. One simple adjustment can be made when the control is connected, and can be changed to accommodate additions to the installation at any time. Every VCMute is factory set at the 4X position. The 4X position automatically impedance matches 4 pairs of 8 ohm speakers to an 8 ohm amplifier. If using more than 4 pairs of speakers, please refer to the Optimatch chart included in this manual to adjust the Opti Peg setting.

If you are using some other device such as a switcher or distribution hub to impedance match your system, the Optimatch tab may be removed from the VCMute to achieve 12 steps of attenuation. First remove the knob and then using a 1/2" nut driver, loosen the nut and remove the Opti Peg. Replace the nut, tighten and replace the knob.

Following the wiring diagram on the back of this page;

1. Make connections by stripping the wire insulation back about 3/16". Twist any loose strands tightly.
2. Insert the wires from the amplifier into the INPUT openings of the connector, hot to hot and ground to ground, then tighten the screws. Check for any loose strands that might cause a short circuit. Make sure the metal part of the screw connector engages the bare wire, NOT the insulation.
3. Similarly, connect speaker wires to the control OUTPUT openings and tighten screws.
4. Finally make the MUTE connections in the same way, connecting the power supply last.
5. If using the impedance matching feature, make sure the factory setting of 4X is acceptable. If not, make the appropriate change using the chart below.
7. Install the control in its operating location.

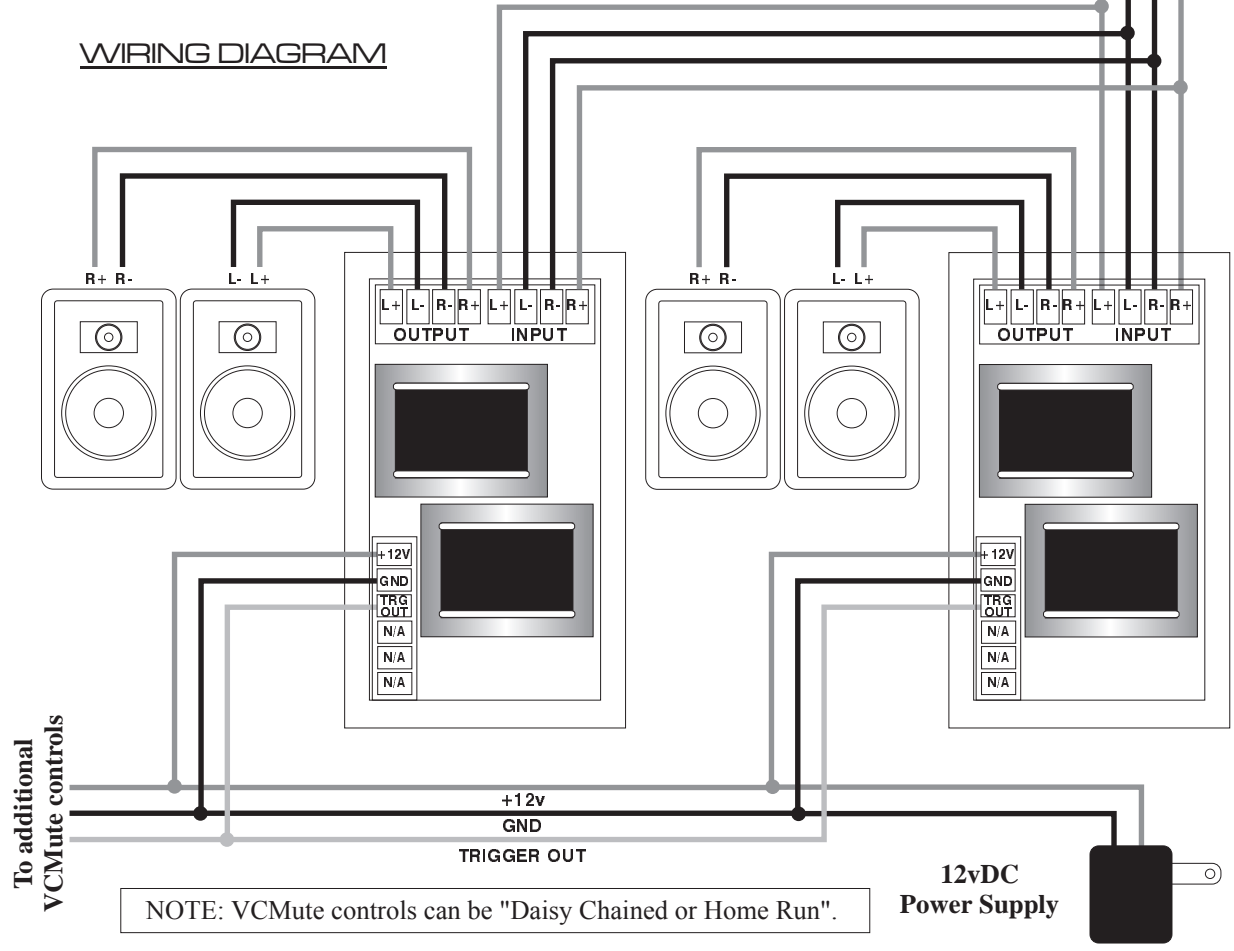
OPERATION

In operation, the VCMute features a two-color LED that indicates the status of both your stereo system and the room you are in. When someone turns on the stereo, all volume controls stay muted and light up their red LED's, indicating that the stereo is on. When you "un-mute" the room to listen, the LED will turn to green. When you turn off the stereo, all rooms automatically mute and all LED's turn off. A momentary push of the button turns on that location. Holding the button in for 5 seconds will turn on all locations (party mode). To reset all locations, power must be removed for 2 to 5 minutes.

OPTIMATCH CHART	#4 Ohm Speakers Per Channel	#8 Ohm Speakers Per Channel	Load (Ohms)	Tap Setting For Matchit(tm)	No. of Available Steps for Optimatch(tm) Controls
		2	4.0000	X2	11
		3	2.6667	X4	10
	2	4	2.0000	X4	10
		5	1.6000	X8	9
	3	6	1.3333	X8	9
		7	1.1429	X8	9
	4	8	1.0000	X8	9
		9	0.8889	X16	8
	5	10	0.8000	X16	8
	11	0.7273	X16	8	
6	12	0.6667	X16	8	



WIRING DIAGRAM



NOTE: VCMute controls can be "Daisy Chained or Home Run".

WARRANTY

Your AUDIOPLEX TECHNOLOGY® VCMute is covered by a LIFETIME warranty against any defects in workmanship and materials. Any defects will be remedied without charge for labor or parts.

Damage incurred by shipping or accident is not considered to be a defect, and not covered by this warranty. AUDIOPLEX TECHNOLOGY® is not responsible for defective operation caused by abuse or by modification or service by any unauthorized person or agency.

The product must be properly installed and operated according to instructions for the warranty to apply. Any necessary servicing must be done by AUDIOPLEX TECHNOLOGY®. The product must be returned expenses prepaid, with written authorization from the company. The product must be shipped with the proof of purchase and in the original carton and packing material to avoid damage.

This warranty gives you specific legal rights. You may have other rights which vary from state to state.

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