

# INSTALLATION MANUAL



## SLVC75 / SLVC200 OPTIMATCH STEREO VOLUME CONTROLS

### SPECIFICATIONS

Attenuator Type:	Tapped auto transformer
Switch:	12 position slide, make-before-break contacts
Connector:	Screw-tight type
Input Power Rating:	SLVC75: 25 watts RMS continuous, 35 Hz-20 KHz SLVC200: 72 watts RMS continuous, 35 Hz-20 KHz
Frequency Response:	+0, -1 dB worst case (-6 dB tap), +0, -0.2 dB all other taps, 35 Hz-20 KHz measured at full power, 8 Ohm load. Most controls better these specifications
Transformers:	Tri-filar wound for flat response and minimum phase shift, grain oriented, high silicon steel laminations
Attenuation:	-34 dB in 12 steps, 8 steps @ -3 dB each, 1 step @ 4 dB, 1 step @ -6 dB, last step OFF
Mounting:	Fits in most standard single gang electrical junction boxes, depth less than 2"
OptiMatch(tm):	Will match impedance for almost any situation. Mechanical index permits presetting local impedance multiplication by X2, X4, X8 and X16 which can be changed at any time.

### INSTALLATION

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

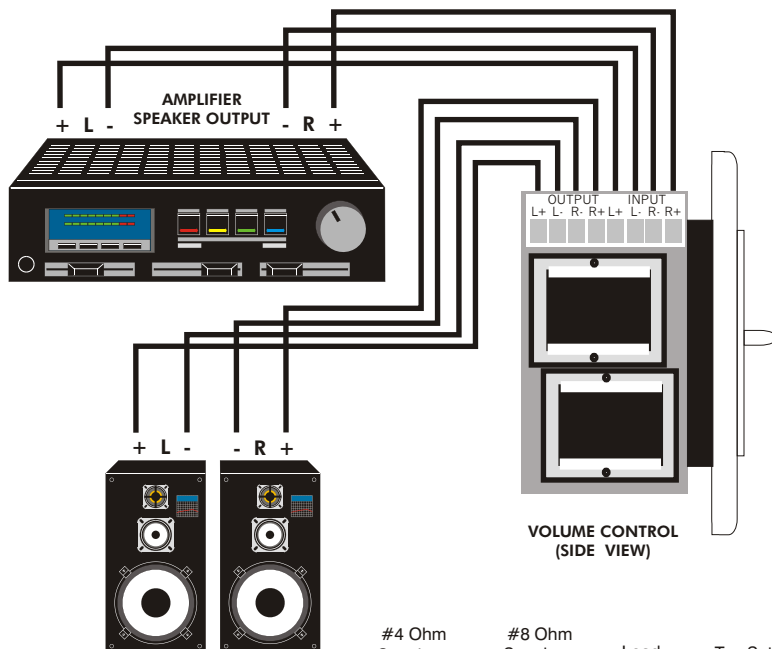
Before starting connections, please note that the left and right attenuator circuits are completely isolated from each other to prevent instability when used with certain types of amplifiers which have floating grounds. If the amplifier to be used has common grounds between channels, a 3 wire system can be used between the amplifier and control, but it will be necessary to connect a jumper between the control ground returns (L- & R-). If one ground is open, there will be no output on the ungrounded channel at any attenuator setting.

1. Make the connections by stripping 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 screws. Check for any stray wire 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. Install control in it's operating location. Suggestion: Leave control 3 or 4 positions from maximum before firing-up the system for the first time to avoid "blasting" the speakers, while still having enough sound to observe operation.

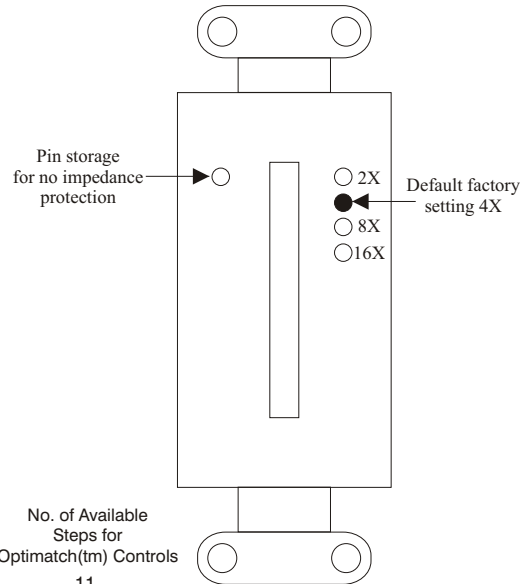
OptiMatch(tm) allows the control to be used either as a full range volume control, or as an impedance matching volume control that can be adjusted to meet the requirements of your installation. One simple adjustment can be made when the control is connected, and can be changed to accommodate additions to the installation at any time. It is easily retrofitted to almost any existing system. See back of manual for detailed instructions.

## OptiMatch(tm) Impedance Matching

### WIRING DIAGRAM



Using the chart below as a guide, set the impedance by sliding the brass pin into the appropriate opening on the volume control (with face plate removed). Note that the default setting from the factory is 4X. For no impedance protection, store the pin in the single hole on the left of the volume control.



#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

We do not recommend wiring more than 12 Optimatch(tm) controls in parallel (NOTE: Do not run more than (2)-8 Ohm speakers per channel). In these instances more impedance protection should be inserted before the volume controls. The Audioplex OC-12 is a good choice in this case.

## WARRANTY

Your AUDIOPLEX TECHNOLOGY® Stereo Speaker Volume Control 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.

## **AUDIOPLEX TECHNOLOGY®**

404 GWH P.O. BOX 440  
 MELVIN VILLAGE, N.H. 03850  
 1-800-257-2077 1-603-544-8601 FAX: 1-603-544-8901  
 E-MAIL: sales@audioplex.com

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