

JSS4-VC2



WARNING: Improper installation could result in damage to the amplifier. Read all instructions before installation.

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Introduction

Your JSS4-VC2 Speaker Selector-Volume Control is designed to operate with up to 4 pairs of loudspeakers of 4, 8, and 16 Ohms impedance in any combination. It can be used with one or two stereo amplifiers, or with 4 Channels of a surround-sound type sound system. Each of the 4 output Control channels can be individually switched to the amplifier connected to A INPUT, or one connected to the B INPUT. Thus it is convenient to listen to different program material in different rooms, swap front and rear channels in a surround-sound system, etc.

Impedance loading protection for the power amplifier (s) is built-in, and fully automatic. Four 100 Watt AUTOMATCH™ attenuators are employed, pre-set so that the worst-case operating condition (four pairs of-4 Ohm speakers operating simultaneously at maximum volume) will appear as a 4 Ohm load on the amplifier. Higher impedance speakers and/or lower volume settings of the controls will reflect a higher impedance to the amplifier, so that safe operation is assured.

Since impedance matching protection is achieved by use of AUTOMATCH™ transformers, there is no heat generated in the matching process- this assures safe operation in a closed environment. There are no extra buttons to operate that must be remembered to maintain safe operation. An additional advantage is that there is no power loss in the JSS4-VC2. There is a level drop of -6 dB to the speakers at maximum volume settings of the JSS4-VC2 controls (at the factory setting), but this is not a power loss. When all 4 controls are set at maximum volume, the full power of the source amplifier is available, divided equally among each of the 4 speaker pairs.

Both the A and B amplifier inputs are identical, and completely independent of each other. Speakers selected for operation with the A amplifier input will have the same impedance protection as those that may be operating with the B amplifier. The number of pairs of speakers in operation on either channel will have no effect on any operating on the other.

Other JSS4-VC2 features include power handling capability of up to 100 Watts RMS continuous at 8 Ohms in any switching mode. The LEFT and RIGHT channels are completely separate to assure safe operation with alt types of amplifiers, including those with “bridging” outputs. The volume attenuators are tapped auto-transformer type with attenuation of 3 dB/step except for the last 2, which are 4 and 6 dB. These controls do not heat up in operation, nor do they deteriorate over long time use.

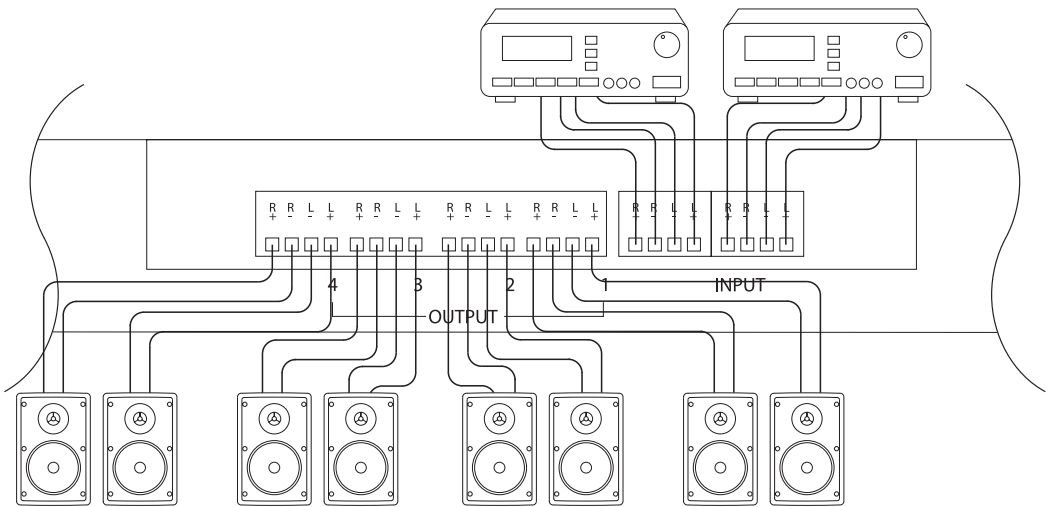
Connecting

Connections to amplifiers and speakers are illustrated in the back of these instructions. Remember that the LEFT and RIGHT circuits are separate, so connections must be made correctly or the system will not operate properly.

Heavy duty push-to-open connections are provided on the rear panel to insure positive, long lasting, connections. To make connections, strip about 3/8" of insulation from the wire end. Push the connector tab toward the rear panel to open the hole. Insert the stripped wire end into the opening , and release the tab. Make sure no loose ends stick out to cause problems. Check that the bare wire, not the insulation, is connected to the hole.

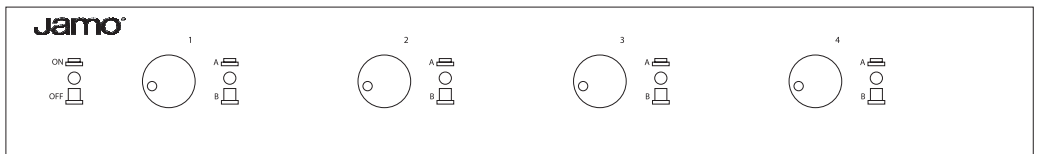
If only one amplifier is to be used, connect it to the AMPLIFIER “A” terminals as shown. Make sure the + and -, and L and R channel connections are correct to avoid unsatisfactory operation or dead channels.

The same precautions should be used when connecting the speakers, crossed channels, polarity, or grounds will result in improper operation.



Using

Push all ON-OFF switches that will be used in to ON. Initially, best results will probably be obtained with all AMPLIFIER A-B switches, out at A. Set the volume control for what is likely to be the loudest location at maximum (fully clockwise), and the rest about halfway down. Turn the HI-FI system on, and adjust it's volume for normal listening level at the loudest location. Then adjust the volume for the remaining locations to a satisfactory loudness. If necessary, the same procedure can be repeated for the B AMPLIFIER channel (if used).



The scope of the warranty

The warranty period will come into force as from the purchase date stated on the invoice. The warranty will apply for the following period of time:

- 2 years for electronics (power supply, amplifier, etc.)
- 7 years for other parts (cabinet, speaker units, etc.)

In case of warranty inquiries, please contact your dealer.

In case of request for service under warranty, please enclose your original receipt.

Defects covered by the warranty:

Except for the defects stated below, the warranty covers any production and material defects of the product.

Defects not covered by the warranty:

- Defects arising from accidents, misuse, normal wear and tear, mis-maintenance, voltage variation, overloading, stroke of lightning, and other force majeure events
- Defects arising from incorrect installation or operation
- Defects arising from modification/repair/attempt of repair by a non-authorized service centre
- Defects arising from the use of non-original spare parts
- Defects on products with altered or lacking series number
- Other defects due to conditions or circumstances beyond the supplier's control

Transportation costs for servicing are not covered by the warranty.

The supplier is liable only to repair or replace defective parts or products. A replacement cannot exceed the value of the product under warranty.