

VC75pm Stereo impedance matching volume control

Congratulations for choosing the finest stereo volume control available. To assure correct installation and realize the full potential of this new volume control, please read and follow these instructions carefully. If you have questions or comments, please don't hesitate to call or write your Knöll dealer.

Knöll volume controls are designed to fit standard electrical junction boxes (J-boxes). Standard plate colors are white, ivory and almond. The VC75pm has a power capacity of 75 watts RMS per channel with 125 watt peaks. Speakers can be 4-16 ohms. The VC75pm features floating independent grounds so bridged amplifiers can be safely used. For best results when connecting two or more VC75pm volume controls to one amplifier or receiver, use a Knöll transformer WT6 interface. Knöll also makes transformer free stereo volume controls and impedance matching models. Ask your dealer for details.

Installation Tips: (be sure to adjust the switch #8 below)

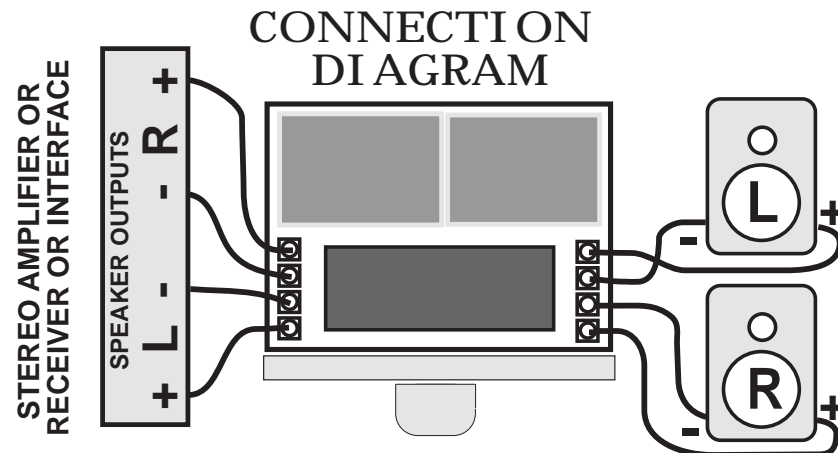
1. Follow all electrical and building code requirements in your area.
2. The VC75pm can be installed in an electrical junction box, but it is not required.
3. Never install the VC75pm in the same electrical junction box as high-voltage equipment (75+ volt) unless an approved barrier separates high from low voltage equipment.
4. Speaker wire can be solid or stranded. Suggested minimum wire size is 16 gauge and 14 gauge for runs longer than 30' (10m).
5. Wire both left and right speaker outputs from the amplifier, receiver or interface to the VC75pm inputs removing about 1/4" of wire insulation.
6. Proper polarity is essential to achieve best speaker sound quality with maximum output. Be careful to wire the + or positive terminals of the amplifier, interface, VC75pm volume control and speakers together. Never connect left and right channel wires of the positive OR ground as amplifier damage may result. The - or negative terminals of the amplifier, volume control and speakers must be wired as shown in the diagram.
7. Wire the VC75pm outputs to the corresponding speaker terminals as indicated on the VC75pm connector.
8. *** Set the impedance matching switch *** as shown in the setting chart.
9. Carefully inspect for speaker wire strands.
10. Install the completed assembly in the wall.

USA and Canada Warranty

Knoll Systems warrants its VC75pm sold in the USA and Canada by authorized Knoll Systems dealers to be free of defects in materials and workmanship. This warranty extends for two years from the date of purchase by the original consumer. Any VC75pm returned to and found to defective by Knöll Systems within the warranty period will be repaired or replaced at Knoll Systems option at no charge. Knöll Systems will not be responsible for the actual cost of installation or removal of the product, nor for any incidental or consequential damages. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation may not apply to you. This warranty gives you specific legal rights. You may have additional legal rights that vary from state to state.

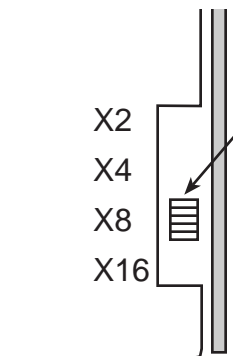
Knoll Systems

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Suggested minimum 16 gauge speaker wire. For runs longer than 30 feet (10m) use 14 gauge wire.

Impedance Matching Switch Settings (Remove knob and cover plate)



Using chart below, adjust impedance matching switch for optimum setting. If using one pair of speakers per amplifier use X2 setting. Shown in X8 setting.



Adjust switch settings to match back to 4 ohms at amplifier

Speaker	2X	4X	8X	16X
8 ohms	4 pair	8 pair	16 pair	32 pair
4 ohms	2 pair	4 pair	8 pair	16 pair

Adjust switch settings to match back to 8 ohms at amplifier

Speaker	2X	4X	8X	16X
8 ohms	2 pair	4 pair	8 pair	16 pair
4 ohms	1 pair	2 pair	4 pair	8 pair