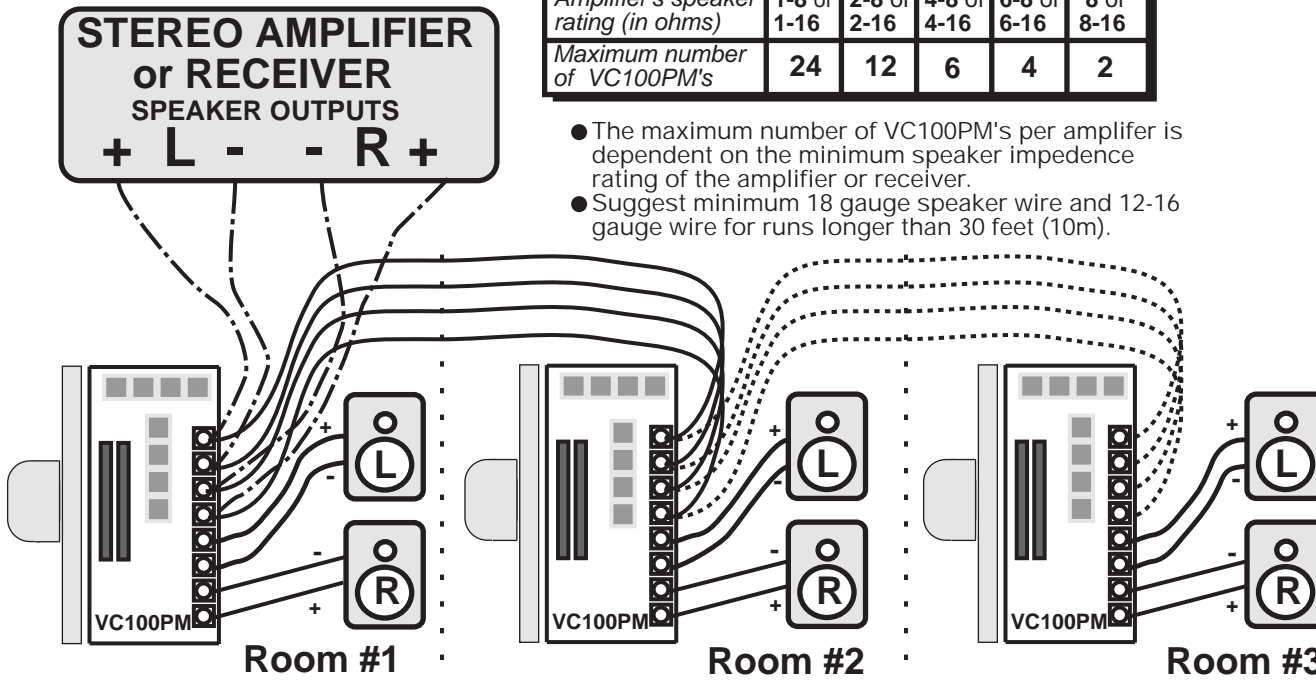


Amplifier's speaker rating (in ohms)	1-8 or 1-16	2-8 or 2-16	4-8 or 4-16	6-8 or 6-16	8 or 8-16
Maximum number of VC100PM's	24	12	6	4	2

- The maximum number of VC100PM's per amplifier is dependent on the minimum speaker impedance rating of the amplifier or receiver.
- Suggest minimum 18 gauge speaker wire and 12-16 gauge wire for runs longer than 30 feet (10m).



VC100pm

POWERMATCH™
TRANSFORMER-FREE™
STEREO VOLUME CONTROL

Information and
Installation Guide

All Knöll transformer free
products include patent
pending exclusive designs

Congratulations for choosing the finest stereo volume control available. To assure correct installation and to 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 transformer free high power room volume controls are designed to fit standard electrical junction boxes (J-boxes). Standard plate colors are white, bone, black and brass. Plates can be decora or standard style. The VC100pm has a power capacity of 100 watts RMS per channel with 400 watt peaks for 5 seconds permissible. Speakers can be 4-16 ohms. The VC100pm features floating independent grounds so bridged amplifiers can be safely used. Frequency response is DC to 500,000 Hz +/- 0.1 dB at all power levels up to 400 watts. THD and IM distortion is barely measurable. Depending on the amplifier powering the system, up to 24 VC100pm's can be safely connected to the amplifier. See the chart.

INSTALLATION TIPS:

1. Follow all electrical and building code requirements in your area.
2. It is not necessary to install the VC100pm in an electrical junction box. Make sure the VC100pm white elements do not touching anything, especially plastic vapor barriers. To obtain full power rating, the VC100pm heat needs to be ventilated. When installing the VC100pm in an electrical box, remove the bottom and top knockouts or drill holes to let heat dissipate.
3. Never install the VC100pm in the same electrical junction box as high voltage equipment (110 volt +) unless an approved barrier separates high from low voltage equipment.
4. Speaker wire can be solid or stranded.
5. Wires can either be home run from each VC100pm to the amplifier or looped from room to room. Wire both L/R speaker outputs from the amplifier or receiver to the VC100pm inputs. Loop VC100pm inputs to other VC100pm inputs.
6. Proper polarity is essential to achieve best speaker sound quality with maximum output & performance

Be careful to wire the + or positive terminals of the amplifier, volume control and speakers together. Never connect left and right channel wires of the positive OR ground together 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 VC100pm speaker outputs to the correct speaker terminals as indicated on the VC100pm connector.

WARRANTY

Knöll Systems warrants its VC100pm, sold in the USA or Canada by authorized Knöll dealers to be free of defects in materials and workmanship. This warranty extends for three full years from the date of purchase by the original consumer. Any VC100pm returned to Knöll Systems and found to be defective by Knöll Systems within the warranty period will be repaired or replaced at Knöll 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.



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VC100pm

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