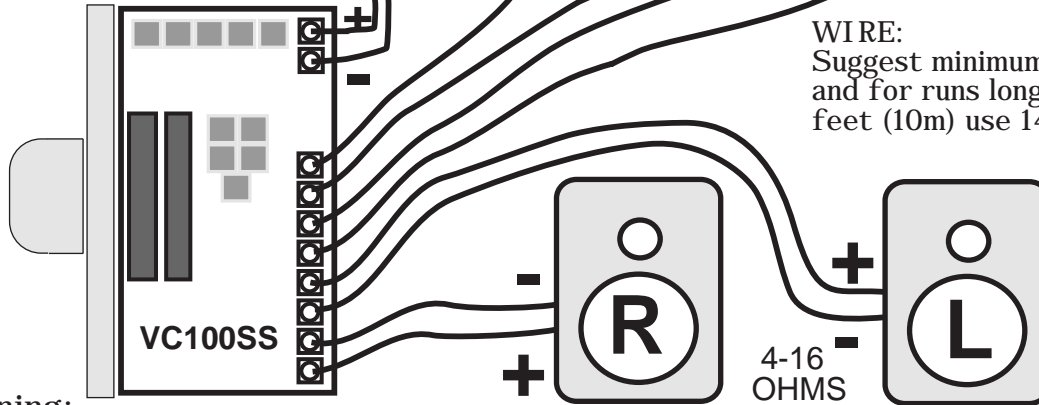




PLUG 12vdc POWER SUPPLY INTO RECEIVER "SWITCHED" POWER SUPPLY SOCKET. THE POWER SUPPLY WIRES CAN BE DAISY CHAINED FROM ROOM TO ROOM.



WIRE:
Suggest minimum 16 gauge and for runs longer than 30 feet (10m) use 14 gauge.



Warning:
Maximum amplifier power 120 watts per channel.
Higher power amplifiers may cause damage.

VC100ss

SILENT- START™
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.

The Knöll VC100ss silent start transformer free room volume control has a power capacity of 100 watts RMS per channel with 350 watt peaks for 5 seconds permissible. Speakers can be 4-16 ohms. The VC100ss has 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 350 watts. THD and IM distortions are barely measurable. For best results when connecting 2 or more volume controls to one amplifier or receiver, use a Knöll transformer free stereo interface.

USA and CANADA WARRANTY

Knöll Systems warrants its VC100ss sold in the USA or Canada by authorized Knöll 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 VC100ss returned to 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.

INSTALLATION TIPS:

1. Follow all electrical and building code requirements in your area.
2. The VC100ss can be installed in an electrical junction box but it is not required. Make sure the VC100ss white elements do not touch anything, especially plastic vapor barriers. To obtain the full power rating, volume control heat needs to be ventilated. When installing the VC100ss in an electrical box, remove the bottom and top knockouts or drill holes to let heat dissipate.
3. Never install the VC100ss 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 12-14 gauge for runs longer than 30' (10m).
5. Wire both left and right speaker outputs from the amplifier, receiver or interface to the VC100ss inputs.
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, VC100ss 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 VC100ss "SPEAKER" outputs to the corresponding speaker terminals as indicated on the VC100ss connector.

8. Connect the two 12VDC power supply wires to the VC100ss as shown taking careful note of the polarity. These power supply wires can be daisy chained from room to room.

9. Plug the 12VDC power supply into the switched outlet socket on the stereo amplifier or receiver. The VC100ss will always default to the red standby mode when the stereo is switched off. To hear sound in a room after the stereo has been switched on, press the small button. The led glows green and the sound level can be adjusted by rotating the volume control knob.

Knöll Systems
145 Tye Drive
Point Roberts,
WA 98281



© COPYRIGHT 1996-2002
ALL RIGHTS RESERVED