



The Leader in Architectural Audio™

PN.33-2900 11.02

INSTALLATION INSTRUCTIONS

SS4VC / SS6VC

IMPORTANT SAFETY INSTRUCTIONS

CAUTION: Read all of these instructions before you operate and save instructions for later use.

1. Read Instructions - all the safety and operating instructions should be read before the appliance is operated.
2. Retain Instructions - The safety and operating instructions should be retained for future reference.
3. Heed Warnings - All warnings on the appliance and in the operating instructions should be adhered to.
4. Follow Instructions - All operating and use instructions should be followed.
5. Water and Moisture- The appliance should not be used near water - for example, near a bathtub, washbowl, kitchen sink, laundry tub, in a wet basement, or near a swimming pool, and the like.
6. Carts and Stands - The appliance should be used only with a cart or stand that is recommended by the manufacturer. An appliance and cart combination should be moved with care. Quick stops, excessive force, and uneven surfaces may cause the appliance and cart combination to overturn.
7. Ventilation - The appliance should be situated so that its location or position does not interfere with its proper ventilation. For example, the appliance should not be situated on a bed, sofa, rug, or similar surface that may block the ventilation openings; or, placed in a built-in installation, such as a bookcase or cabinet that may impede the flow of air through the ventilation openings.
8. Heat - The appliance should be situated away from heat sources such as radiators, heat registers, stoves, or other appliances (including amplifiers) that produce heat.
9. Cleaning - The appliance should be cleaned only as recommended by the manufacturer.
10. Object and Liquid Entry - Care should be taken so that objects do not fall and liquids are not spilled into the enclosure through openings.
11. Damage Requiring Service - The appliance should be serviced by qualified service personnel when:
 - A. Objects have fallen or liquid has been spilled into the appliance; or
 - B. The appliance has been exposed to rain; or
 - C. The appliance does not appear to operate normally or exhibits a marked change in performance; or
 - D. The appliance has been dropped or the enclosure damaged.
12. Servicing - The user should not attempt to service the appliance beyond that described in the operating instructions. All other servicing should be referred to qualified service personnel.



CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.



The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated dangerous voltage within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

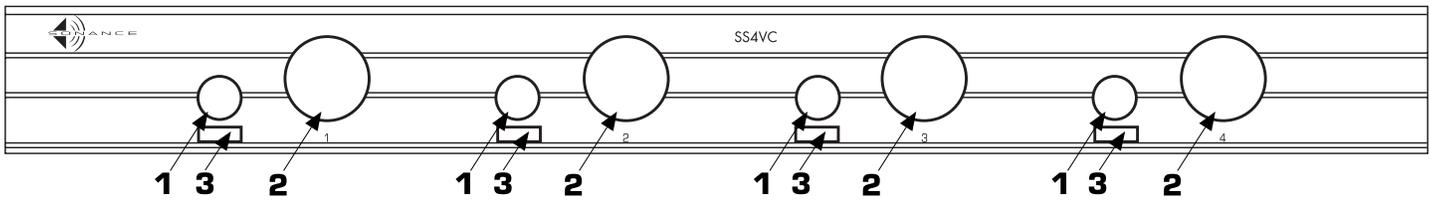
WARNING: TO PREVENT FIRE OR SHOCK HAZARD DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE. THE APPARATUS SHALL NOT BE EXPOSED TO DRIPPING OR SPLASHING. NO OBJECTS FILLED WITH LIQUIDS, SUCH AS VASES, SHALL BE PLACED ON THE APPARATUS.



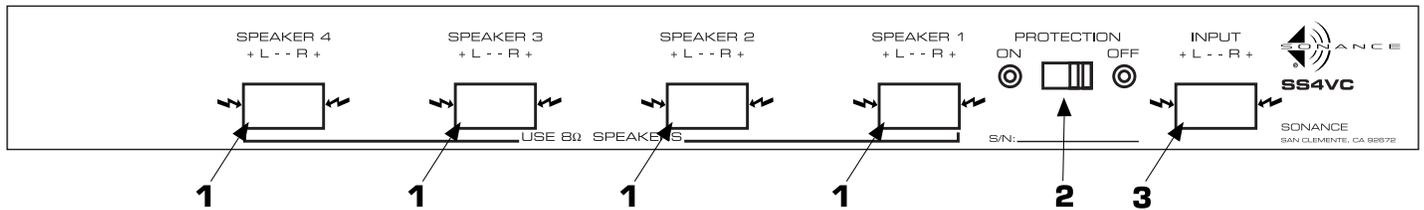
**WARNING
MOVE WITH CARE**

SS4VC/SS6VC

A



B



A. FRONT PANEL SS4VC

1. SPEAKER SELECTOR BUTTON
2. VOLUME CONTROL
3. DETENT FOR ZONE LABEL

B. REAR PANEL SS4VC

1. OUTPUT SPEAKER CONNECTOR
2. CIRCUIT PROTECTION SWITCH
3. INPUT SPEAKER CONNECTOR

INTRODUCTION

Thank you for purchasing the Sonance Speaker Selector System. You have purchased one of the highest performance speaker switching devices available, carefully designed to give you years of trouble-free operation. Connection to your system is very simple. Please invest a few minutes to read the complete instructions, before beginning your wiring to assure the highest quality sound from your system.

UNPACKING

Save your carton and the styrofoam inserts for future safe transport in case you move or the unit ever requires shipping for repair.

Before you proceed, find the serial number which is located on the rear panel of the unit and note it here for future reference.

Serial # _____

SS4VC/SS6VC BASIC CONCEPT

The SS4VC and SS6VC are designed to connect four and six pairs of loudspeakers, respectively, to one receiver or amplifier. Each pair of speakers can be independently turned on/off. The volume control knobs give you independent volume control in all speaker locations. These systems provide impedance protection whenever its protection circuit is manually engaged by the user. When engaged, the SS4VC and SS6VC adjust the impedance load presented to the receiver or amplifier. With most amplifiers, when multiple speakers are engaged, the protection switch should be engaged. With high amplifier volume, your SS4VC and SS6VC switcher may become warm. Do not operate your system below the impedance rating of the receiver, amplifier, or the switcher. Check the owner's manual of your receiver or amplifier. Do not exceed the 75Watt RMS rating of the SS4VC/SS6VC.

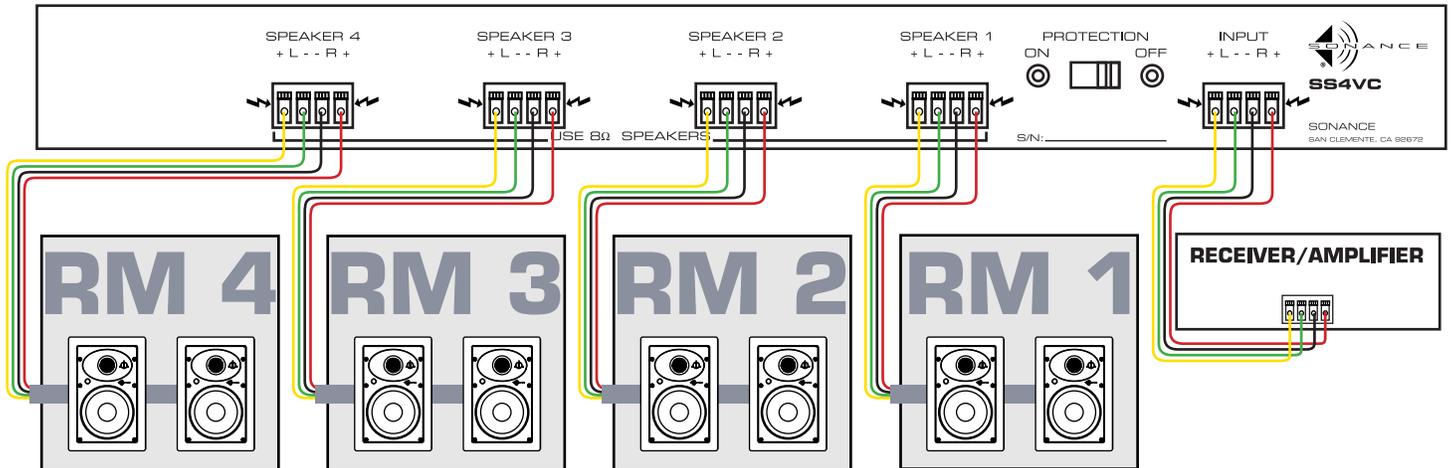
USING THE PROTECTION SWITCH

As a general rule, the more speaker pairs you have on, the more the protection circuitry will be needed. Leaving the Protection switch always engaged ("on" position) will provide the safest operating condition for your receiver or amplifier. For most receivers or amplifiers, the Protection switch should be engaged when more than one Speaker button is engaged on the SS4VC and SS6VC switchers. Failure to engage the Protection switch when multiple pairs of speakers are engaged may cause damage to your receiver or amplifier. The protection switch is located on the back of the SS4VC and SS6VC switchers. Slide the red switch towards the left to engage the 3Ω protection resistors. Slide the red switch towards the right to disengage the resistors and turn off the protection circuit.

NOTE: When protection circuitry is engaged, there may be a slight, but perceivable loss of volume in the speakers that are engaged. This is simply the trade-off for using resistive protection instead of individual amp channels for each speaker pair or an impedance matching device such as the Sonance AF8. Use dedicated amplifiers if you require more dynamic range.

CUSTOM BUTTON LABELS

Sonance makes multi-room sound distribution even more user-friendly by including Custom Button Labels (Sonance PN. 33-1468). You can customize your SS4VC or SS6VC with a label for each button that corresponds with the room or area in which you have a pair of speakers playing. One sheet of button labels contains 120 pressure-sensitive labels, each with a 3 to 7-letter abbreviation for nearly every room or area likely to be encountered in your installation. Each label fits the dimensions of the indentations under the buttons on your SS4VC and SS6VC. A legend of the rooms or areas is included in the package for easy reference. Consult your Authorized Sonance Dealer for more information.



Note: With the SS6VC (not shown), you can add up to 2 more rooms.

PLACEMENT

Because the SS4VC and SS6VC both contain resistors which consume power and dissipate current in the form of heat, the unit should be placed in a location that won't heat other source equipment and where there is good ventilation. If placing it in an enclosed cabinet or between shelving, make sure there is adequate space (at least two inches) on all sides and between the top of the switcher and any shelving, cabinetry, or components placed above it. A fan may be needed to draw air through the cabinet or shelving unit if components get too warm. We recommend that you do not place the unit on top of your receiver or amplifier.

Since your SS4VC and SS6VC will be used as a central switcher for multiple speaker pairs, it should be easily accessible. When placing it with other electronics, the SS4VC and SS6VC should be placed in a location that will accommodate the mass of speaker wires that will be connected between it, the speakers, and receiver or amplifier.

WIRING

IMPORTANT: Always use high grade speaker wire such as Sonance MediaLinQ™. We recommend 18 GA wire for runs of 50 feet or less, 16 GA for runs of 50-100 feet, or 14 GA for runs over 100 feet.

A. Source Connection:

1. Connect the left speaker output of the receiver or amplifier to the left **INPUT** connector of the SS4VC/SS6VC (see diagram above). Make sure that the positive (+) terminal of the receiver or amplifier connects to the positive (+) terminal of the input connector of the SS4VC/SS6VC. The negative (-) connection should be connected to the negative (-) terminal of the input connector of the SS4VC/SS6VC.

2. Repeat step 1 for the right side, connecting the right speaker output of the receiver or amplifier to the right **INPUT** connector of the SS4VC/SS6VC (see diagram above).

B. Speaker Connection:

1. With appropriate speaker wire, connect the first pair of speakers to the left **SPEAKER 1** connections on the back of the SS4VC/SS6VC. Make sure the speaker positive (+) is connected to the SS4VC/SS6VC positive (+), the speaker negative (-) to the SS4VC/SS6VC negative (-).

2. Repeat step 1 for the remaining speaker pairs.

FRONT PANEL OPERATION

Operation of the **SPEAKER** Buttons:

To engage any pair of speakers, push in the button which corresponds to the pair of speakers you want to turn on. The "in" position means the speakers are on. Any combination of the speaker pairs may be played at once. To disengage any pair of speakers, push in the button which corresponds to the pair of speakers you want to turn off. The "out" position means the speakers are off.

Note: A slight decrease in volume may occur when additional speakers are engaged.

TROUBLESHOOTING

- Verify that the input connection is properly attached to the receiver or amplifier and that the receiver or amplifier is operating properly.
- Verify that the speaker selector button is pushed “in” (on position) and then verify that your speakers are properly wired.

SERVICE

If you have any questions about the operation or installation of your SS4VC/SS6VC, please call our Technical Assistance Department on any business day at: (800)582-0772 or (949)492-7777 from 7 a.m. to 5 p.m. PST.

Should your product require repair or service, contact your authorized Sonance retailer for help or use the following procedure:

1. Prior to calling, note the product model number, serial number, purchase date, and original retailer’s name and address.
2. Contact our Technical Assistant Department at the number(s) above and describe the problem. If required a Return Merchandise Authorization (RMA) number will be issued. **IMPORTANT: Do not return the unit to Sonance without first obtaining an RMA number.**
3. If you are directed to return the unit to Sonance for repair, pack the unit in its original shipping cartons (inner & outer). Replacement packaging can be obtained from Sonance for a small charge. **Note, it is best if you place it into an additional outer "overcarton" before shipment to minimize the chance of theft in shipment.**
4. Contact United Parcel Service, Federal Express, or RPS to arrange prepaid (not collect) shipping. Do not use the United States Postal Service. **IMPORTANT: Freight collect shipments will be refused.**
5. Write the Return Merchandise Authorization number on the outside of the shipping carton.
6. For warranty work, please include a copy of the original bill of sale inside the package.

Ship the packaged unit to:

Technical Assistance Department
Sonance
212 Avenida Fabricante
San Clemente, CA 92672-7531

WARRANTY COVERAGE (USA ONLY)

If, within five (5) years from the date shown on the bill of sale, the unit fails due to a defect in workmanship or materials, Sonance will, at its option and at no charge to the purchaser, repair or replace the components of such unit which proves to be defective.

For this warranty to be effective, the bill of sale must show that the unit was purchased from an authorized Sonance retailer. This warranty shall apply exclusively to the original purchaser and shall not apply to units purchased for industrial or commercial use.

Furthermore, this warranty shall not apply if:

1. Damage to the unit was caused by accident, abuse, or misuse;
2. The unit was modified or repaired by unauthorized personnel; or
3. The unit was not used as outlined in the operating instructions

Exclusions and Limitations

The warranty set forth above is in lieu of all other warranties, express or implied, of merchantability, fitness for a particular purpose, or otherwise. The warranty is limited to Sonance products registered herein and specifically excludes any damage to any associated equipment, which may result for any reason from use with this product.

Sonance shall, in no event, be liable to incidental or consequential damages arising from any breach of this warranty or otherwise. This warranty gives you specific legal rights, and you may have other rights, which vary from state to state.

SPECIFICATIONS

Power Rating:	75 Watts RMS Maximum input per channel
Switch Type:	12 Position light touch silent rotary switch “Make Before Break”
Terminal Type:	Toggle Quick Disconnect 20-14 AWG wire capacity
Frequency Response:	20-20KHz±1dB
Speaker Impedance:	8 Ω per zone
Total Attenuation:	-42 dB; full clockwise position is straight-through, full counter clockwise position is off
Attenuation by step:	top 7 steps are -3dB per step, lowest 4 steps are -6dB per step
Dimensions (W x H x D):	16 7/8" x 2 3/16" x 10 1/4" (429mm x 56mm x 260mm)
RMF (W x H x D):	19" x 1 3/4" x 10 1/4" (483mm x 45mm x 260mm)

Specifications and features subject to change without notice.