

INSTRUCTION MANUAL

VISUAL PERFORMANCE® SERIES

SST AND SUR SPEAKERS



Introduction

Thank you for purchasing Sonance Visual Performance® Single-Stereo Technology® (SST) or surround (SUR) speakers. When properly installed your new speakers will give you years of entertainment pleasure.

SAFETY WARNING:

THESE SPEAKERS HAVE FASTMOUNT® TABS THAT PREVENT THE SPEAKER FROM FALLING OUT OF THE MOUNTING HOLE DURING THE INSTALLATION PROCESS.

THE EDGES OF THE FASTMOUNT TABS ARE VERY SHARP. USE CAUTION WHEN HANDLING THE SPEAKER.

Box Contents

Item	Quantity (SST)	Quantity (SUR)
Visual Performance Speaker	1	2
Paintable Grille	1	2
Plastic Paint Plug	1	2
Mounting Cutout Template	1	1

Speaker Placement

SST Models

Because a single SST speaker reproduces both stereo channels from a single location, it will deliver outstanding performance from a wide variety of mounting locations where a pair of stereo speakers would be impractical, including hallways, bathrooms and closets.

The table below shows how far apart SST speakers can be spaced in distributed audio applications while still providing good coverage for standing and seated listeners (see Figure 1).

Ceiling Height	Spacing (Standing)	Spacing (Seated)
9-Foot Ceiling	5'7" (1.7m)	9'5" (2.9m)
10-Foot Ceiling	9'7" (3.0m)	13'5" (4.1m)
12-Foot Ceiling	13'7" (4.2m)	17'5" (5.3m)
14-Foot Ceiling	17'7" (5.4m)	21'5" (6.6m)

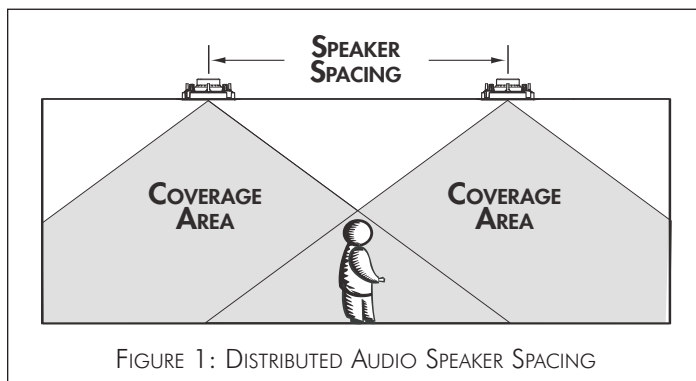


FIGURE 1: DISTRIBUTED AUDIO SPEAKER SPACING

SUR Models:

5.1-Channel Home Theater System

Mount the left and right surround speakers on the ceiling 2 – 6 feet (0.6m – 1.8m) behind the listening position. The speakers should be 6 – 10 feet (1.8m – 3m) apart. Orient the tweeters face the front and rear walls of the room. Use Figure 2 as a guide.

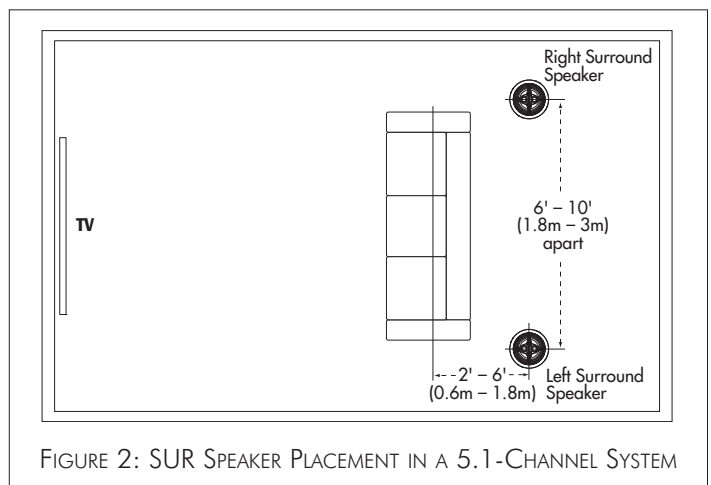


FIGURE 2: SUR SPEAKER PLACEMENT IN A 5.1-CHANNEL SYSTEM

SUR Models:

7.1-Channel Home Theater System

Mount the left and right surround speakers directly to the sides of the listening position, 6 – 10 feet (1.8m – 3m) apart. Mount the surround back speakers 2 – 6 feet (0.6m – 1.8m) behind the listening position. The surround back speakers should be closer together than the left and right surround speakers, 3 – 6 feet (0.9m – 1.8m) apart. Use Figure 3 as a guide.

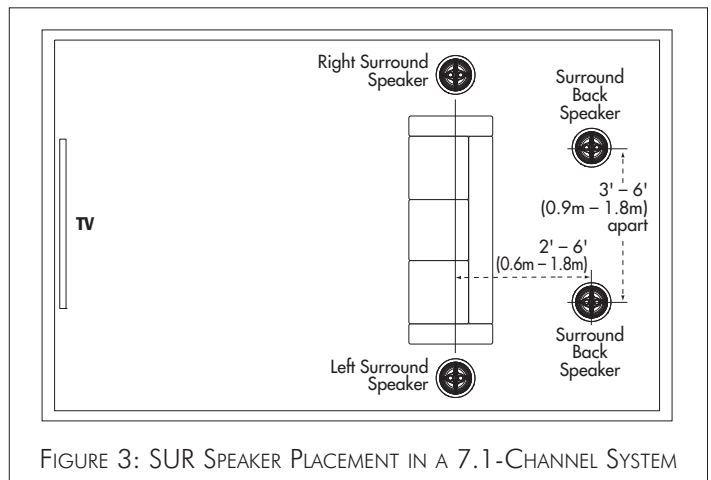


FIGURE 3: SUR SPEAKER PLACEMENT IN A 7.1-CHANNEL SYSTEM

Before Installation: Retrofit

1. Determine the location for the speaker (see *Speaker Placement*, on page 1).
2. Perform an obstruction survey to be certain that there are no studs, conduit, pipes, heating ducts, pocket doors or air returns in the wall or ceiling cavity that will interfere with the speaker.
3. **Mounting space requirements:**
 - **Large round SST & SUR:** 10 1/8" (257mm) diameter cut-out; 5 7/8" (149mm) depth within the mounting cavity.
 - **Large square SST:** 10 1/4" x 10 1/4" (260mm x 260mm) cut-out; 5 7/8" (149mm) depth within the mounting cavity.
 - **Medium round SST & SUR:** 8 1/4" (210mm) diameter cut-out; 4 3/4" (121mm) depth within the mounting cavity.
 - **Medium square SST:** 8 1/4" x 8 1/4" (210mm x 210mm) cut-out; 4 3/4" (121mm) depth within the mounting cavity.
 - **Medium rectangle SST:** 6 15/16" x 10 3/4" (176mm x 273mm) cut-out; 3 1/6" (91mm) depth within the mounting cavity.
 - **Medium ThinLine round SST:** 8 1/4" (210mm) diameter cut-out; 3 1/32" (77mm) depth within the mounting cavity.
 - **Small round SST:** 5 7/8" (149mm) diameter cut-out; 3 7/8" (97mm) depth within the mounting cavity.
 - **Small square SST:** 5 5/8" x 5 5/8" (143mm x 143mm) cut-out; 3 7/8" (97mm) depth within the mounting cavity.
4. Position the included cut-out template where the speaker is to be located and pencil an outline on the wall or ceiling. If you are unsure about obstructions, drill a small hole in the center of the outline and insert a coat hanger wire into the hole to feel-around for possible obstructions.
5. Cut the mounting hole using a keyhole or drywall saw, and run the speaker wires from the mounting hole to the amplifier location.

NOTE: CONSULT LOCAL BUILDING CODES BEFORE RUNNING SPEAKER WIRES THROUGH CEILINGS.

Installation

Visual Performance SST AND SUR speakers feature exclusive FastMount tabs and an integral Roto-Lock® mounting system for quick mounting directly into existing walls and ceilings.

WARNING: The edges of FastMount tabs are very sharp. Use caution when handling the speaker.

1. Remove the paint plug from the speaker.
2. Run speaker wire from each speaker to the amplifier location.
3. Strip 1/4" – 1/2" (6mm – 12mm) of insulation from each speaker lead. Twist the strands or tin the exposed wire with solder to ensure that there are no stray strands. (Stray strands that touch each other can cause a short-circuit that can damage the amplifier.)
4. The speaker's connector posts are spring-loaded. Push the top of each connector post down to open the connector and insert the exposed wires into the holes in the posts.
 - The speaker's positive post is labeled with a red dot; the negative post is labeled with a black dot. Double-check that you connected amplifier "+" to speaker "+" and amplifier "-" to speaker "-".

5. Make sure all the Roto-Lock clamps are in the full clockwise position so that they are tucked within the mounting hole's border. Insert the speaker into the hole in the wall or ceiling (Figure 4). The Roto-Lock system can accommodate a maximum wall or ceiling material thickness of 1 1/4" (32mm).

The FastMount tabs will prevent the speaker from falling out of the mounting hole, allowing the installer to let go of the speaker to pick-up tools or other items (Figure 5).

NOTE: THE FASTMOUNT TABS ARE DESIGNED FOR ONE-TIME USE ONLY. IF THE SPEAKER IS REMOVED FROM THE MOUNTING HOLE THE FASTMOUNT TABS WILL DISCONNECT AND REMAIN INSIDE THE WALL OR CEILING.

6. Tighten the four screws on the front of the speaker baffle (Figure 6). The Roto-Lock clamps will automatically rotate into position and begin clamping the speaker. When you notice resistance on the screws the speaker has been clamped successfully.

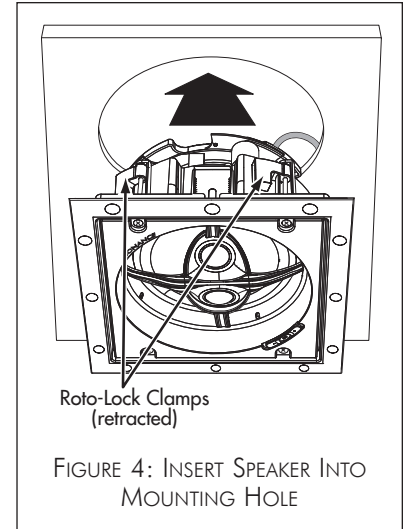


FIGURE 4: INSERT SPEAKER INTO MOUNTING HOLE

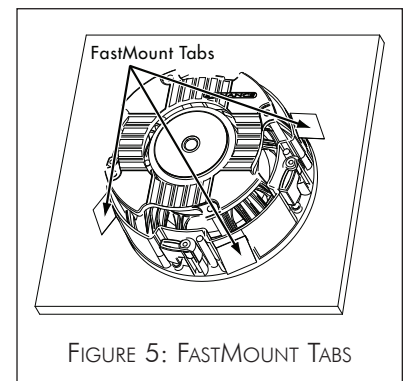


FIGURE 5: FASTMOUNT TABS

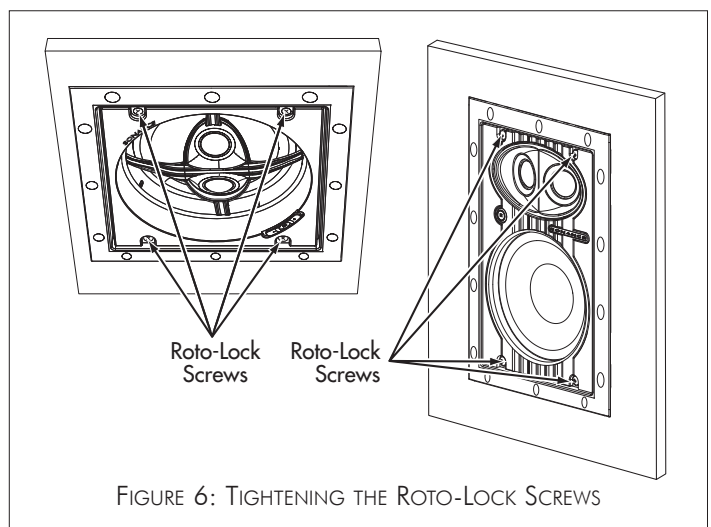


FIGURE 6: TIGHTENING THE ROTO-LOCK SCREWS

IMPORTANT: Always use low-torque settings; NEVER over-tighten.

SONANCE VISUAL PERFORMANCE® SST & SUR

NOTE: ADJUSTING THE TENSION OF THE ROTO-LOCK CLAMPS SO THAT THE SPEAKER FRAME IS FLAT WILL HELP ENSURE THAT THE GRILLE CONTACTS THE WALL ALL THE WAY AROUND THE SPEAKER FOR A PROPER FIT.

7. The new micro-trim grille is held in place by several small, powerful magnets on the speaker frame. Place the grille against the speaker and the magnets will hold it firmly in place. When properly installed, the grille trim should make contact with the wall all the way around the speaker.

Painting The Speakers and Grilles

Please refer to the included *Painting Instructions* sheet.

Speaker Adjustments

Pivoting Woofer

Some SST and SUR models have a pivoting woofer assembly. This allows you to direct sound toward or away from the listening area, depending on how the speakers are being used:

- For SST models, pivoting the woofer towards the listening position will maximize the speaker's clarity and definition.
- For SUR models, you can create a more diffuse, spacious surround effect by aiming the woofers towards a wall or window, away from the listeners.

NOTE: WHEN PIVOTING THE WOOFERS IN SUR MODEL SPEAKERS, MAKE SURE THAT THE TWEETERS REMAIN ORIENTED TOWARDS THE FRONT AND REAR WALLS FOR SIDE SURROUND SPEAKERS, AND TOWARDS THE SIDE WALLS FOR SURROUND BACK SPEAKERS.

To pivot the woofer, apply pressure on the outer edge of the tweeter support bracket, as shown in *Figure 7*. Do not touch or apply pressure to the woofer cone.

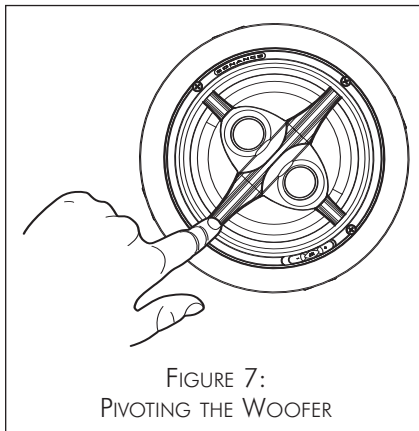


FIGURE 7:
PIVOTING THE WOOFER

LIMITED LIFETIME WARRANTY

Sonance warrants to the first end-user purchaser that this Sonance-brand product ("Product"), when purchased from an authorized Sonance Dealer/Distributor, will be free from defective workmanship and materials for the life of the Product, except for the grille, which is warranted for five (5) years. Sonance will at its option and expense either repair the defect or replace the Product with a new or remanufactured Product or a reasonable equivalent.

EXCLUSIONS

TO THE EXTENT PERMITTED BY LAW, THE WARRANTY SET FORTH ABOVE IS IN LIEU OF, AND EXCLUSIVE OF, ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, AND IS THE SOLE AND EXCLUSIVE WARRANTY PROVIDED BY SONANCE. ALL OTHER EXPRESS AND IMPLIED WARRANTIES, INCLUDING THE IMPLIED WARRANTIES OF MERCHANTABILITY, IMPLIED WARRANTY OF FITNESS FOR USE, AND IMPLIED WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE ARE SPECIFICALLY EXCLUDED. No one is authorized to make or modify any warranties on behalf of Sonance.

The warranty stated above is the sole and exclusive remedy and Sonance's performance shall constitute full and final satisfaction of all obligations, liabilities and claims with respect to the Product. IN ANY EVENT, SONANCE SHALL NOT BE LIABLE FOR CONSEQUENTIAL, INCIDENTAL, ECONOMIC, PROPERTY, BODILY INJURY, OR PERSONAL INJURY DAMAGES ARISING FROM THE PRODUCT, ANY BREACH OF THIS WARRANTY OR OTHERWISE.

This warranty statement gives you specific legal rights, and you may have other rights which vary from state to state. Some states do not allow the exclusion of implied warranties or limitations of remedies, so the above exclusions and limitations may not apply. If your state does not allow disclaimer of implied warranties, the duration of such implied warranties is limited to period of Sonance's express warranty.

Your Product Model and Description: Sonance Visual Performance Series SST and SUR Speakers

Additional Limitations and Exclusions from Warranty Coverage: The warranty described above is non-transferable, applies only to the initial installation of the Product, does not include installation of any repaired or replaced Product, does not include damage to allied or associated equipment which may result for any reason from use with this Product, and does not include labor or parts caused by accident, disaster, negligence, improper installation, misuse (e.g. overdriving the amplifier or speaker, excessive heat or cold or humidity, outdoor installation), or from service or repair which has not been authorized by Sonance.

Obtaining Authorized Service: To qualify for the warranty, you must contact your authorized Sonance Dealer/Installer or call Sonance Customer Service at (800) 582-0772, must obtain a return merchandise number (RMA), and must deliver the Product to Sonance shipping prepaid during the warranty period, together with the original sales receipt, or invoice or other satisfactory proof of purchase.



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Due to continuous product improvement, all features and specifications are subject to change without notice.

For the latest Sonance product specification information visit our website: www.sonance.com

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