

INSTALLATION MANUAL

VISUAL PERFORMANCE® SERIES LARGE ROUND AND SQUARE SPEAKERS



Introduction

Thank you for purchasing Sonance Visual Performance® Series Large round or square 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

Sonance Visual Performance Series in-ceiling speaker boxes contain (2) Visual Performance Large round or square speakers, (2) paint plugs (installed on the fronts of the speakers), (2) paintable grilles and (1) mounting cut-out template.

Speaker Placement

Distributed Audio Placement (Mono signal)

All Sonance Visual Performance Series in-ceiling speaker models provide excellent coverage in distributed audio systems from a wide variety of installation locations.

The table and illustration in *Figure 1* show how far apart the speakers can be placed at various ceiling heights while still providing good coverage for all listeners.

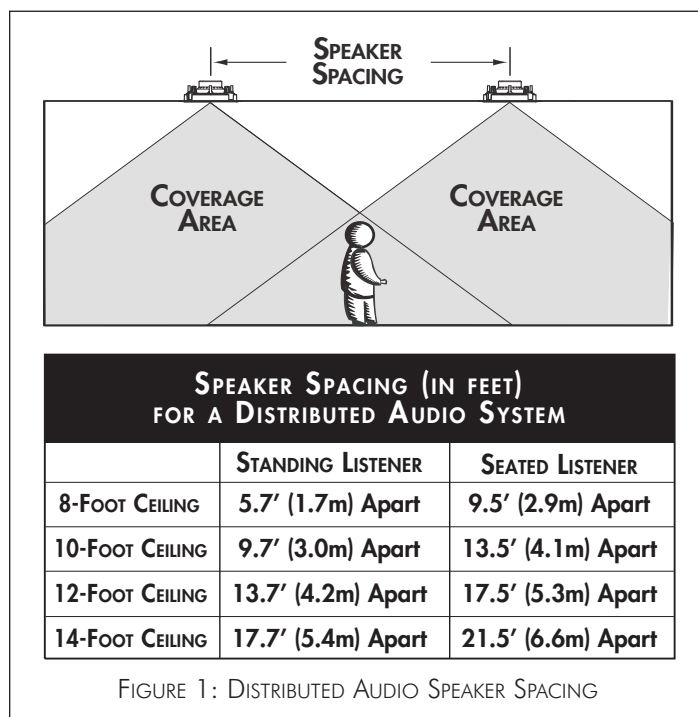


FIGURE 1: DISTRIBUTED AUDIO SPEAKER SPACING

Home Theater Speaker Placement

Left, Center & Right Speakers (see *Figure 2*)

- Place the left, center and right speakers 1 – 2 feet (0.3m – 0.6m) in front of the video screen, 6 – 10 feet (1.8m – 3m) apart, with the center channel speaker as close to midway between the left and right speakers as possible.
- The main listening position should be 4 – 10 feet (1.2m – 2m) away from the speakers.

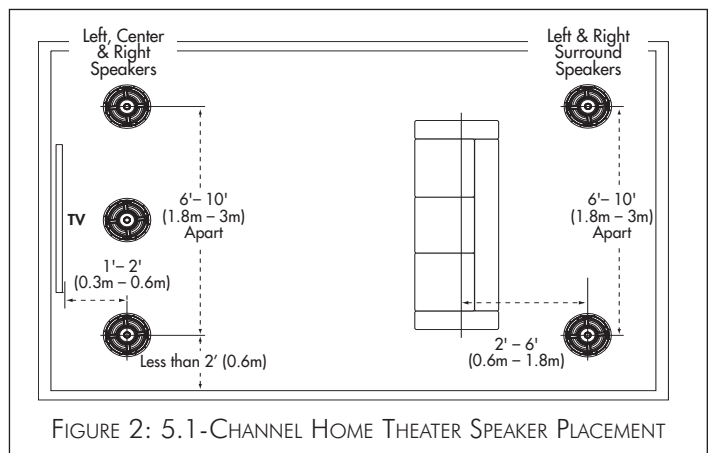


FIGURE 2: 5.1-CHANNEL HOME THEATER SPEAKER PLACEMENT

Surround Speakers — 5.1-Channel System (see *Figure 2*)

- Locate the left and right surround speakers 2 – 6 feet (0.6m – 1.8m) behind the listening position. The speakers should be 6 – 10 feet (1.8m – 3m) apart.

Surround Speakers — 7.1-Channel System (see *Figure 3*)

- Left & Right Surround Speakers:** Place the left and right surround speakers directly to the sides of the listening position, 6 – 10 feet (1.8m – 3m) apart.
- Surround Back Speakers:** Place 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.

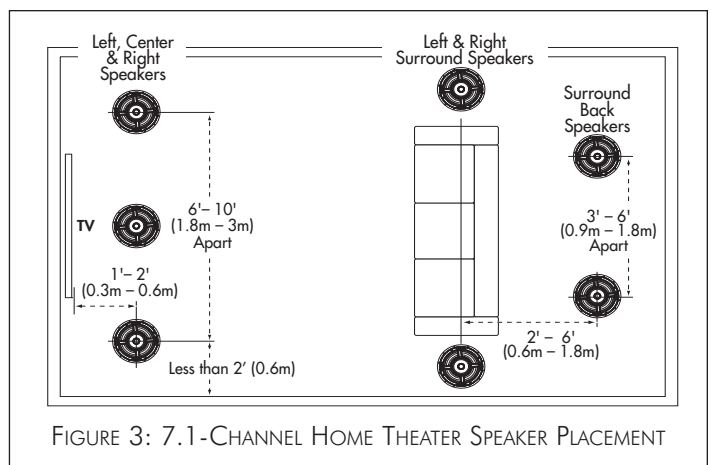


FIGURE 3: 7.1-CHANNEL HOME THEATER SPEAKER PLACEMENT

Stereo Placement (2-Channel)

- Place the left and right speakers anywhere from 6 feet to 10 feet apart, with the main listening position as close to midway between the speakers as possible.
- In most cases pivoting the woofer and/or midrange/tweeter assembly of each speaker directly towards the main listening position will help maximize the stereo soundstage.

Use the Left and Right speaker placement in *Figures 2 and 3*, on page 1, as a guide.

Before Installation

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 ceiling cavity that will interfere with the speaker.
3. **Mounting space requirements:**
 - Large round speakers: 10¹/₈" (257mm) diameter cut-out; 5⁷/₈" (149mm) mounting depth.
 - Large square speakers: 10¹/₄" x 10¹/₄" (260mm x 260mm) cut-out; 5⁷/₈" (149mm) mounting depth.
4. Position the included cut-out template where the speaker is to be located and pencil an outline on the 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

Sonance Visual Performance Series speakers feature exclusive FastMount tabs and an integral Roto-Lock® mounting system for quick mounting directly into existing ceilings.

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

1. Remove the paint plug from the speaker.
2. 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.)
3. 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 "-".

4. Make sure all the RotoLock clamps are retracted so that they are tucked within the mounting hole's border. Insert the speaker into the hole in the ceiling (*Figure 4*). The RotoLock system can accommodate a maximum ceiling material thickness of 1¹/₄" (32mm).

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

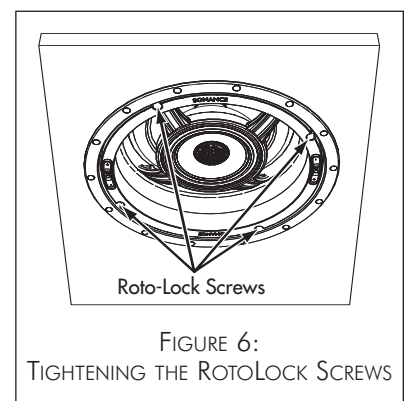
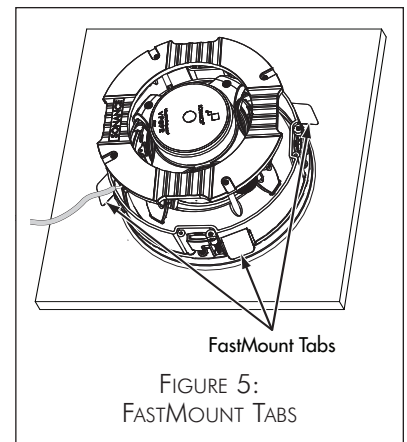
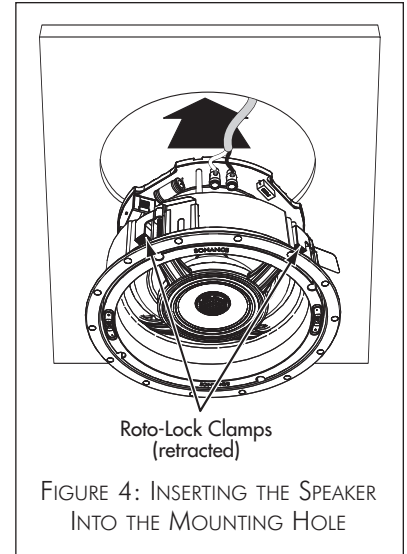
NOTE: THE FASTMOUNT TABS ARE DESIGNED FOR ONE-TIME USE ONLY. IF THE SPEAKER IS REMOVED FROM THE MOUNTING HOLE THE FASTMOUNT TABS WILL DISCONNECT AND REMAIN INSIDE THE CEILING.

5. Tighten the four screws on the front of the speaker baffle. The Roto-Lock clamps will automatically rotate into position and begin clamping the speaker (*Figure 6*).

When you notice resistance on the screws the speaker has been clamped successfully.

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

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



SONANCE VISUAL PERFORMANCE® LARGE ROUND AND SQUARE

6. 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 Grilles

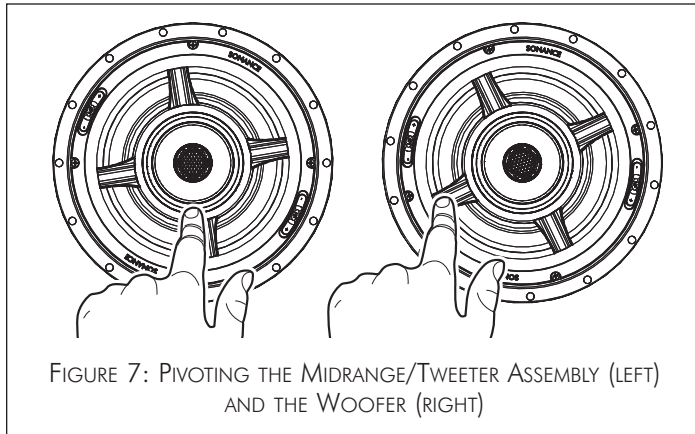
Please see the accompanying *Painting Instructions* sheet for painting instructions.

Speaker Adjustments

Pivoting Woofer and Midrange/Tweeter

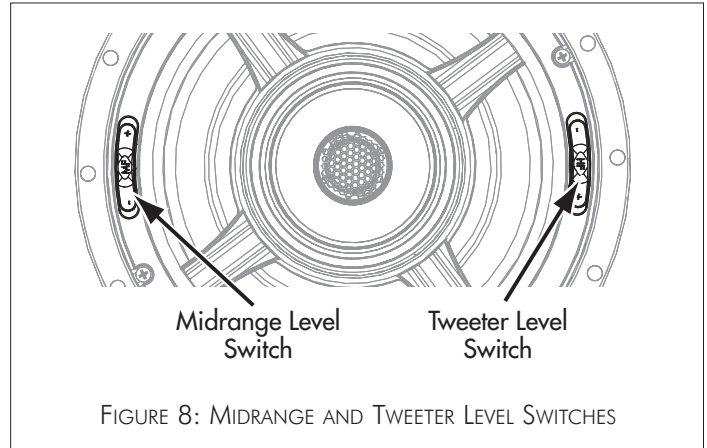
Some Visual Performance Series Large round and square speakers have a pivoting woofer and a pivoting midrange/tweeter assembly. If you're using the speakers in stereo or as the front left/center/right speakers in a home theater, pivot the drivers directly towards the listening area. If you're using the speakers as surround channel speakers in a home theater, pivot the drivers towards a wall or window, away from the listeners.

To pivot the midrange/tweeter assembly, apply light pressure to the ring around the outside edge of the midrange cone, as shown in *Figure 7*. Take care not to touch or apply pressure to the midrange cone itself. To Pivot the woofer, apply pressure on the outer edge of one of the tweeter support brackets, as shown in *Figure 7*. Do not touch or apply pressure to the woofer cone.



Tweeter and Midrange Level Switches

VP89 and VP87 speakers have midrange and tweeter level switches (see *Figure 8*) that boost or cut those drivers' levels by 3dB. This lets you tailor the speaker's performance to better match the room's acoustics or the listener's preferences.



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 Large Round and Square 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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