

# INSTRUCTION MANUAL

## VISUAL PERFORMANCE® SERIES SMALL RECTANGLE SPEAKERS



### Introduction

Thank you for purchasing Sonance Visual Performance® Series Small rectangle 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

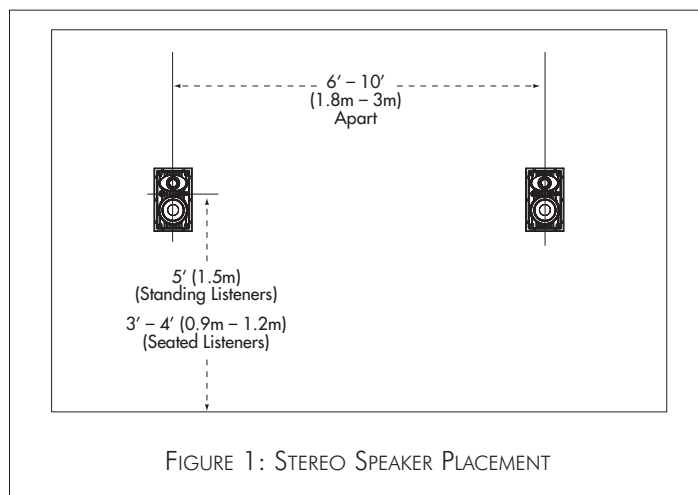
Each Sonance Visual Performance Series Small rectangle speaker box contains (2) Visual Performance speakers, (2) paint plugs (installed on the fronts of the speakers), (2) paintable grilles and (1) mounting cut-out template.

### Speaker Placement

#### Stereo Speaker Placement

- Place the left and right speakers on the same wall, 6 – 10 feet (1.8m – 3m) apart and 3 – 4 feet (0.9m – 1.2m) from the floor. The main listening position should be as close to midway between the speakers as possible.
- If the listeners will be standing, mount the speakers 5 feet (1.5m) from the floor to keep them at the listeners' ear height.
- The main listening position should be 4 – 10 feet (1.2m – 3m) away from the speakers.
- Pivoting the tweeter of each speaker directly towards the listening position will help maximize the stereo soundstage.

Use *Figure 1* as a guide



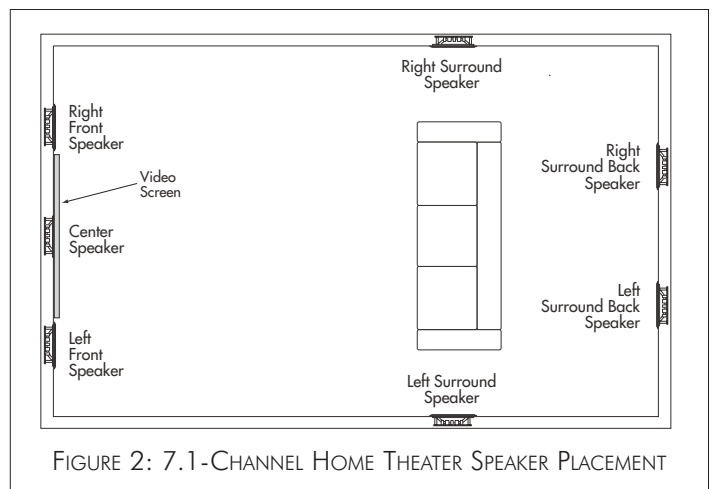
### Home Theater Speaker Placement

#### Left & Right Channels

Place the left & right speakers on either side of the video screen, 6 – 10 feet (1.8m – 3m) apart and 3 – 4 feet (0.9m – 1.2m) from the floor (which corresponds to the height of your ears when you're seated on a couch or chair). If possible, locate the left and right speakers at least 18 inches away from the side walls.

- The main listening position should be 8 – 12 feet (2.4m – 3.6m) away from the speakers.

Use *Figure 2* as a guide.



#### Center Channel

Locate the center speaker as close to the same height as the left & right channel speakers as possible. If you must place the center speaker above or below a video screen, we recommend placing it no more than 2 feet (0.6m) above or below the center of the left and right speakers. This will help maintain consistent tonality between all three front channel speakers.

Use *Figure 2* as a guide.

#### Surround Channels

**Left & Right Surround Speakers:** Place the left and right surround speakers directly to the sides of the listening position, at least 5 feet (1.5m) from the floor.

**Surround Back Speakers (7.1-Channel System):** Place the surround back speakers in the rear wall, 3 – 6 feet (0.9m – 1.8m) apart and at least 5 feet (1.5m) from the floor.

Use *Figure 2* as a guide.

## 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 cavity that will interfere with the speaker.
3. **Mounting space requirements:** 4<sup>5</sup>/<sub>8</sub>" wide (117mm) x 8" (203mm) high cut-out; 3" (76mm) of 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. 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 WALLS.

## Before Installation: IR Plug

Some Visual Performance Small rectangle speakers have a plug for installing an IR receiver into the speaker's front baffle (see *Figure 3*). In systems where the electronics are placed in an inconvenient location this allows remote controls to be aimed at the front of the room instead of at the electronics.

The IR plug is in the form of a bolt and retaining nut. To remove the plug, unscrew the nut (located behind the baffle, see *Figure 4*) and remove the bolt. The hole is designed to receive a Sonance OptiLinQ® SMR1 or SMR1P Surface-Mount IR receiver. Insert the IR receiver through the front of the speaker baffle and use the nut included with the receiver to secure it to the baffle.

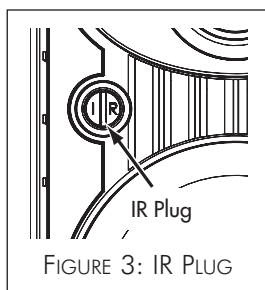


FIGURE 3: IR PLUG

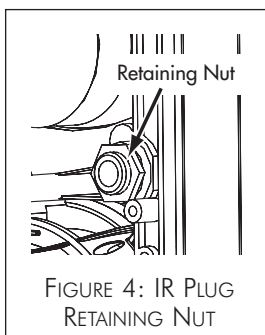


FIGURE 4: IR PLUG RETAINING NUT

## Installation

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

**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 Roto-Lock clamps are retracted so that they are tucked within the mounting hole's border. Insert the speaker into the hole in the wall (*Figure 5*). The Roto-Lock system can accommodate a maximum wall material thickness of 1 1/4" (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 6*).

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.

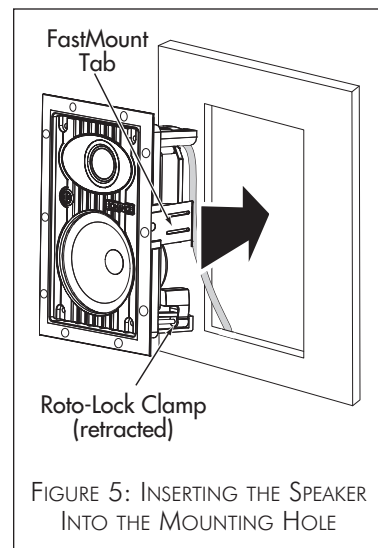


FIGURE 5: INSERTING THE SPEAKER INTO THE MOUNTING HOLE

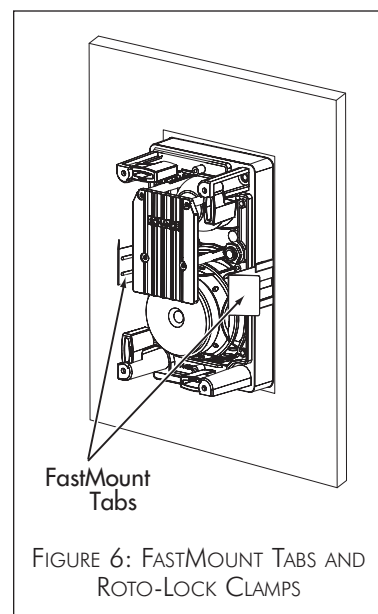


FIGURE 6: FASTMOUNT TABS AND ROTO-LOCK CLAMPS

## SONANCE VISUAL PERFORMANCE® SMALL RECTANGLE

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 7).

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

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

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.

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 refer to the accompanying *Painting Instructions* sheet for painting instructions.

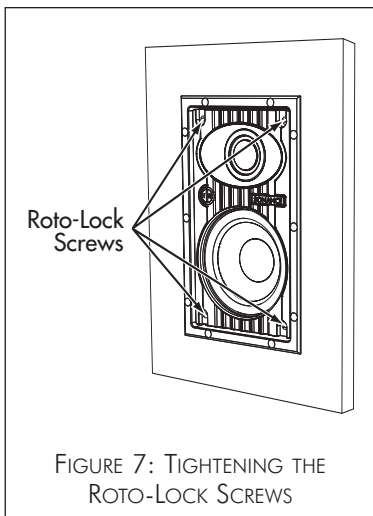


FIGURE 7: TIGHTENING THE ROTO-LOCK SCREWS

## Speaker Adjustments

### Pivoting Tweeter

Some Visual Performance Series in-wall speakers have a pivoting tweeter that allows you to direct sound towards or away from the listening area, depending on how the speakers are being used:

- If you're using the speakers in stereo or as the front left/center/right speakers in a home theater, pivot the tweeter directly towards the listening area. This will help the sound from the speakers blend into a solid soundstage even if the speakers are widely separated.
- If you're using the speakers as surround channel speakers in a home theater, you can create a more diffuse, spacious surround effect by pivoting the tweeter towards a wall or window, away from the listeners.

To pivot the tweeter, apply light pressure to the plastic ring around the outside edge of the tweeter dome, as shown in Figure 8. Take care not to touch or apply pressure to the tweeter dome itself.

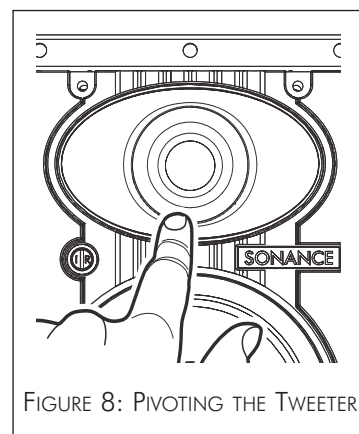


FIGURE 8: PIVOTING THE TWEETER

## 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.

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Your Product Model and Description: Sonance Visual Performance Series Small Rectangle 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](http://www.sonance.com)

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