

Surround Speaker System
Owner's Manual

SR.5

Snell

SPECIFICATIONS

Specifications	SR.5 Surround
Usable Frequency Range	70–20,000Hz
Power Response (± 3 dB)	90–12,000Hz
Recommended Amplifier Power	20–150 watts
Nominal Impedance	8 ohms
Sensitivity	90dB [1 watt (2.83v) at 1m] speaker in half space, wall-mounted
High Frequency Drivers	Dual subenclosed 3 1/4" (89mm) extended-range units with copolymer cones
Bass Unit minimum	5 1/4" (135mm) omnidirectional unit with cast-aluminum basket, copolymer cone, and butyl rubber surround
Crossover Frequency	400Hz
Cabinet Construction	High density fiberboard
Grilles	Friction fit cloth grilles on an MDF frame
Flush Mounting Bracket	Positive-click locking mounting bracket for wall or ceiling
Included Hardware	Four (4) 3" #10 machine screws with toggle wings Four (4) 2" #8 particleboard screws Eight (8) felt bumpers
Dimensions (HxWxD)	13.75" x 6.75" x 7.5" (343mm x 168mm x 187mm)
Weight/each	12 lbs. (5.5kg)
Finish	Hand-sanded, hand-painted Black or White paint

INTRODUCTION

We designed the SR.5 for maximum placement flexibility. You can mount the SR.5's virtually anywhere around your listening room and still achieve strong envelopment. The SR.5's use a unique bipolar radiating pattern for dozens of unique placement options.

- fi *On side walls*
- fi *On back walls*
- fi *On the ceiling*

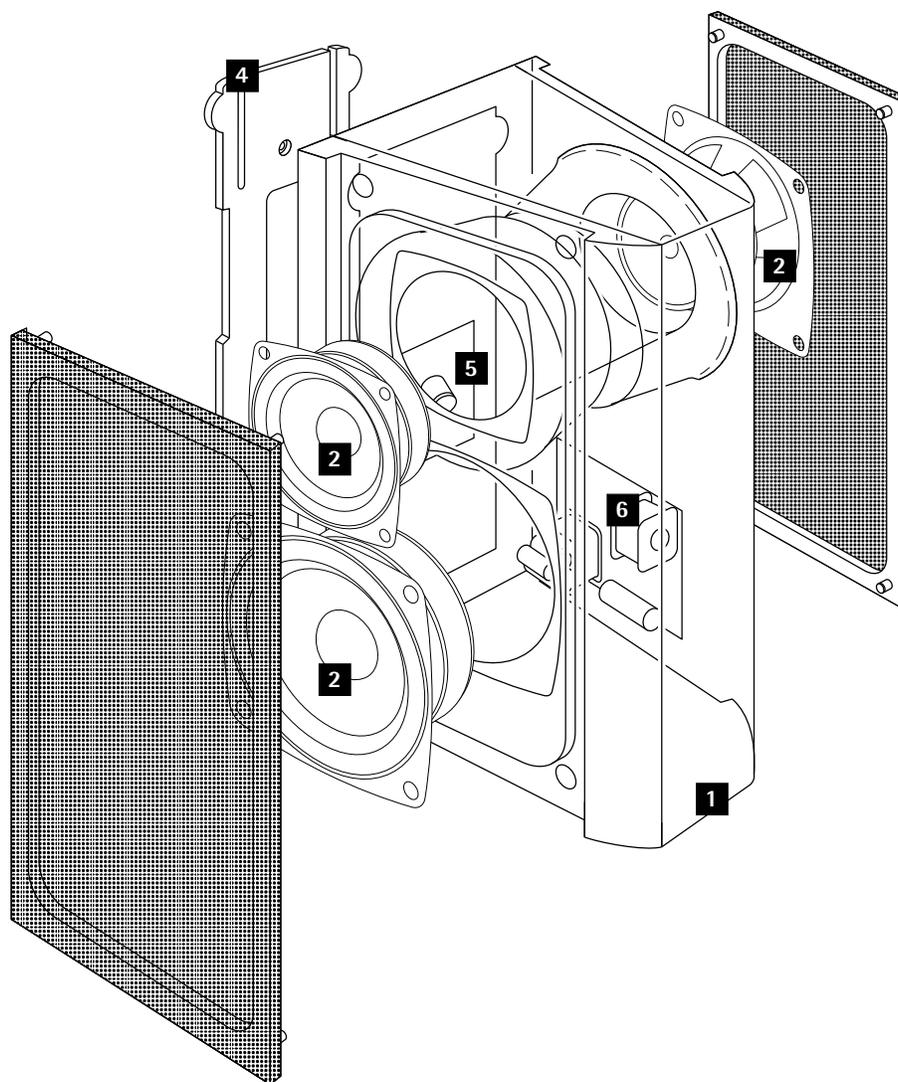
Most importantly, the SR.5's do not require symmetrical placement. You can place one unit on a side wall, and the other on the ceiling or back wall.

For Use With All Home Theater Formats

The SR.5's meet the demanding sonic requirements of digital 5.1 formats.

- fi *Their dispersion pattern combines an optimal blend of diffuse sound, with just enough directivity for precise off-screen pans.*
- fi *They extend from 70 to 20,000Hz, capturing all surround information in this range.*
- fi *They play loud enough to fill a typical listening room at theater volume.*
- fi *Their power response matches the Snell K.5 Monitors and E.5 Towers for seamless front-to-back pans.*

FEATURES OF THE SNELL SR.5 SURROUND



1 Angled Cabinet Design

The angled cabinet of the SR.5 projects sound forward and backward in a "dog-bone" pattern. This wide sound field gives you dozens of placement options.

2 Speaker Elements

Two 3 1/4" (89mm) extended-range drivers are responsible for frequencies between 400Hz and 20kHz. One omnidirectional 5 1/4" (135mm) bass unit handles all frequencies from 70Hz to 400Hz.

3 Family Sound

The SR.5's are tuned with a flat, optimized power response, to match the spectral balance of Snell front speakers.

4 Mounts to Walls or Ceilings

Our unique locking bracket keeps the SR.5 securely mounted to walls or ceilings. One person can install the SR.5 simply and securely.

5 Connectors

Five-way gold-plated binding posts allow quick connection to speaker cables and connectors. The recessed area on the back of the cabinet accommodates wire slack for neat installation.

6 Hand-Tuned Crossover

The bipolar network is optimized to provide a smooth and flat power response. Each crossover is tuned by our technicians to ± 0.5 dB of the Master Reference, assuring predictable performance in your home.

HOW TO PLACE YOUR SR.5 SURROUNDS

Determine Room Placement

Proper room placement is perhaps the most important factor contributing to home theater sound quality. Take a few minutes to place your speaker systems correctly to ensure they sound their best.

Home Listening Room Placement

Follow these guidelines for proper placement:

Height: Place the surrounds at least 5' (2.4m) from the floor, yet 12" (30cm) from the ceiling. Higher is better.

Boundaries: Keep the surrounds at least 12" (30cm) away from an adjacent wall or large obstacle.

Placement Options: Each surround can be placed independently to accommodate your room. The following diagrams illustrate these placement options:

fi On side walls fi On back walls fi On the ceiling

Screening Room Placement

Snell speaker systems are often used in professional dubbing studios. Follow these recommendations for critical screening room applications:

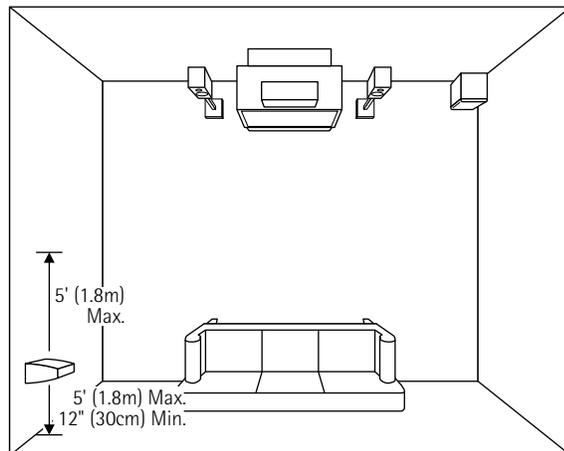
Height: At least 8' (2.4m) from the floor, or 18" (46cm) down from the ceiling.

Placement: On the side walls, centered to the listening area.

Boundaries: At least 3' (1m) from back walls.

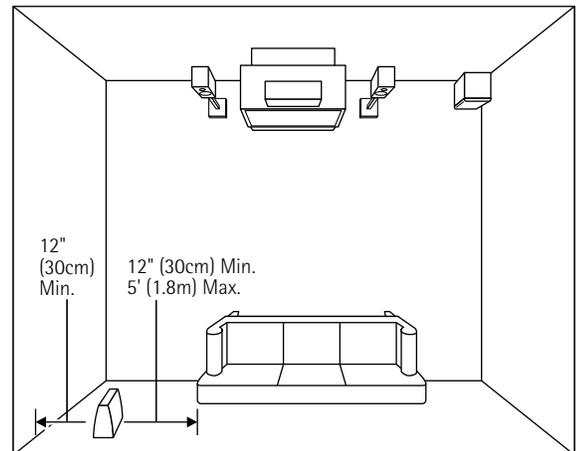
Coverage Area: Use one surround speaker system for every 3 rows of seats (approximately 10' between surround speakers).

Side Wall Placement



Place the SR.5 to the side of the listening area. If the listening area is against a wall (for example, if your couch is placed against a back wall), place the SR.5 to the side of the couch, leaving at least a 12" clearance between the SR.5 and the back wall.

Back Wall Placement



When placing the surround behind your listening area, keep it as close to the side wall as possible—but no closer than 12" (30cm).

CONNECTING THE SURROUNDS

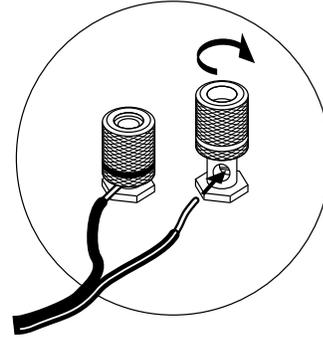
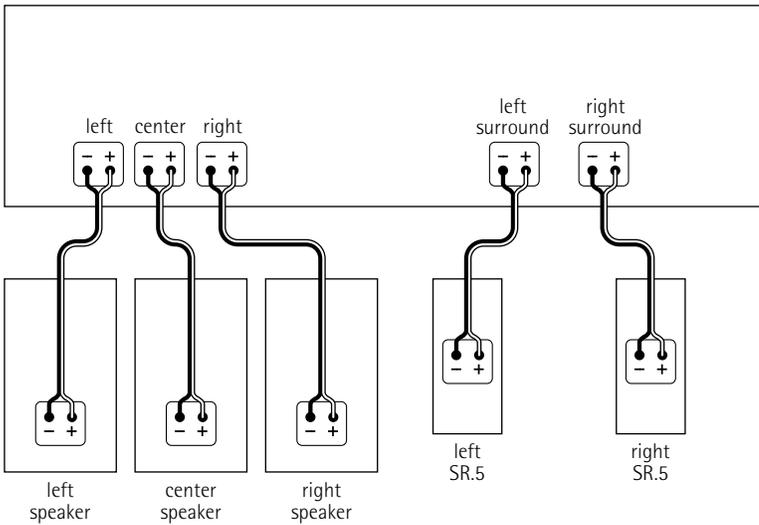
Connecting to a Surround Processor

Select the SMALL or NORMAL surround setting on your receiver or processor. This routes all bass information (typically below 120Hz) from the surrounds to your subwoofer.

Match the Sound Levels of Each Speaker

Your home theater system most likely includes a test signal that simplifies level matching. Refer to the instructions provided with your surround sound electronics.

Receiver or Amplifier



Connecting with Bare Wire:

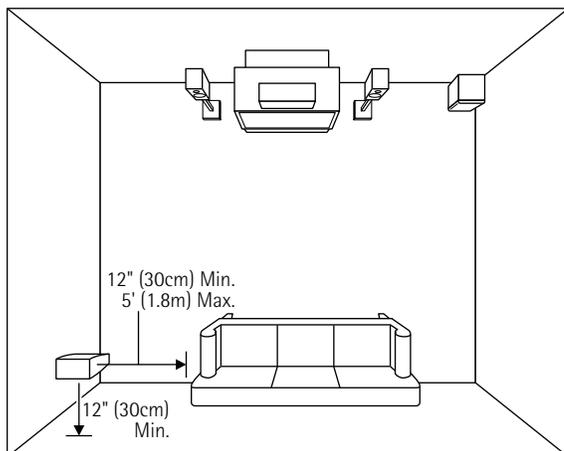
Insert bare wire into holes and tighten.

Connecting with Banana Plugs, Spade Lugs, or Pins:

The binding posts accept standard banana plugs and pins, and can accommodate spade lugs up to 5/16".

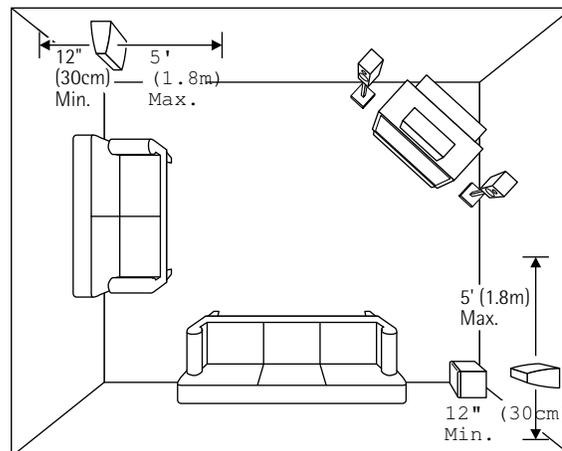
Warning! To prevent electrical shock, always switch off the amplifier or receiver when making connections to the speaker system.

Ceiling Placement



One or both surrounds may be placed on the ceiling.

Corner Placement



If the viewing area is in or near a corner, the SR.5's may be placed to either side on the adjacent wall or ceiling.

WALL OR CEILING MOUNTING YOUR SR.5 SURROUNDS

Please Note:

Installation of surround speakers requires a thorough understanding of construction tools and procedures. We recommend you consult a knowledgeable installer if you are unsure of the physical properties behind your wall or ceiling.

Mounting the Bracket When Using the Machine Screws and Toggle Wings

1. Drill two 9/16" (13mm) holes using the bracket as a template. If running wires behind the wall, make a hole for them as well.
2. Insert the machine screws through the bracket and thread onto the toggle wings before penetrating the wall.
3. Level the bracket and tighten the screws.
4. Connect the wires.
5. Place the SR.5 on the bracket and slide down until you hear a locking "click."

Mounting on Drywall, Paneling, or Other Hollow Surfaces

Use the supplied 3" #10 machine screws and toggle wings. The toggle wings require a 9/16" (13mm) hole.

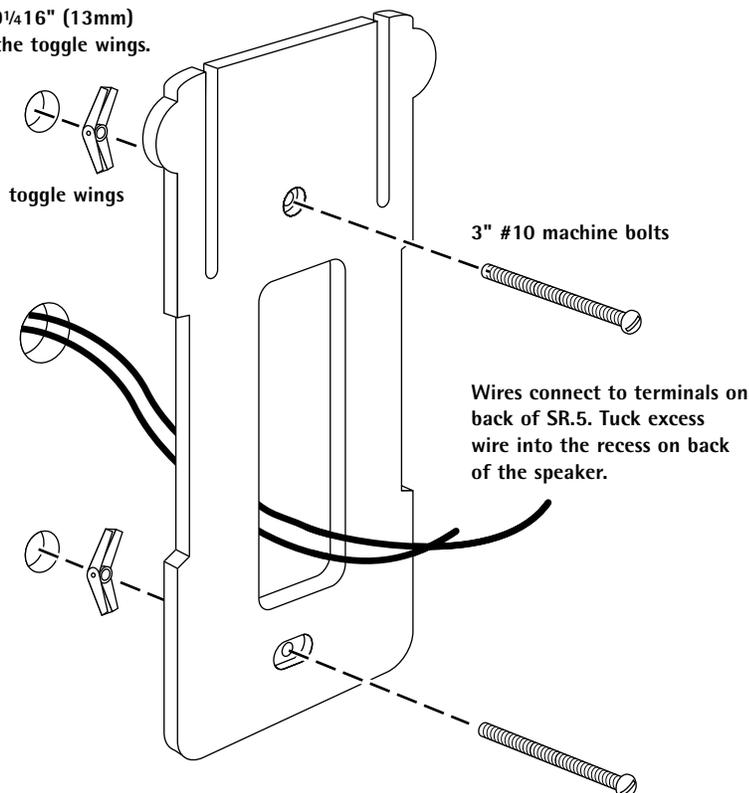
Mounting on Wood and Other Solid Surfaces

Use the supplied 2" #8 particleboard screws.

Mounting on Masonry, Adobe, and Similar Surfaces

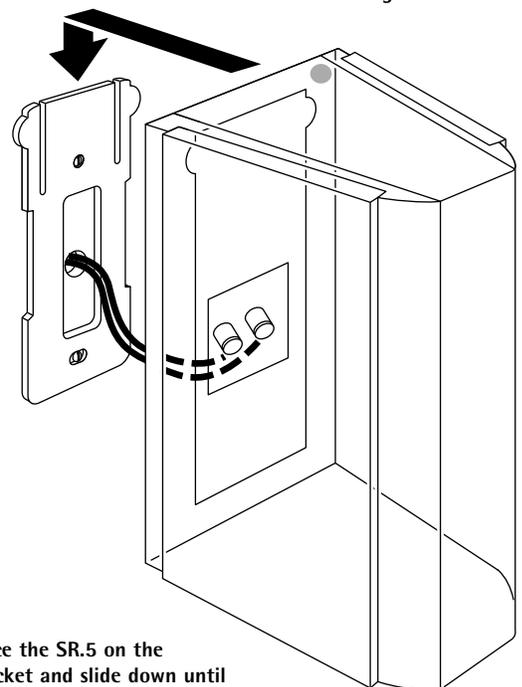
Consult a knowledgeable installer about proper hardware. You will obtain best results with #8 screws.

Drill two 9/16" (13mm) holes for the toggle wings.



Level the bracket before hanging the speaker.

Place felt bumpers on back of the SR.5 to protect your wall or ceiling.



LISTENING LEVELS AND POWER HANDLING

The power recommendation for the system assumes you will operate the amplifier in a way that will not produce distortion. All speakers can be damaged by a modest amplifier if it is producing distortion. If you hear a gritty noise or other signs of strain, turn down the volume. Prolonged or repeated operation of your speakers with a distorted signal can cause damage that is not covered by the warranty.

HOW TO CARE FOR YOUR SR.5'S

Cabinet

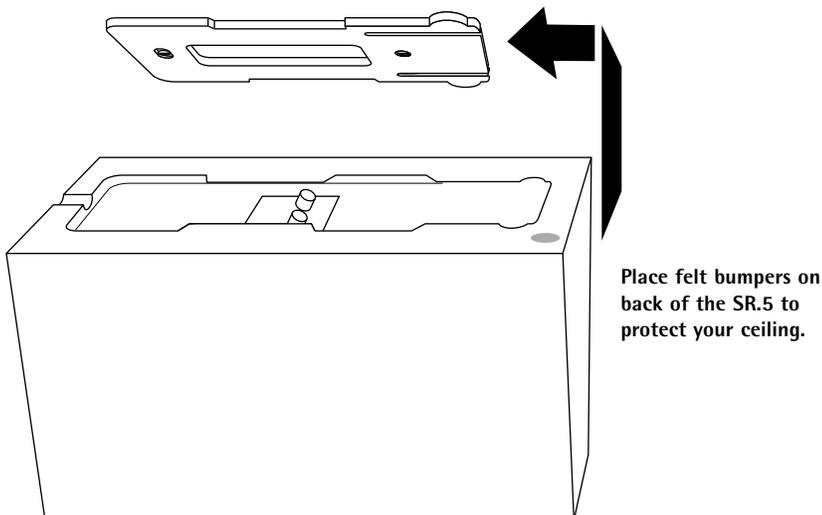
Your speaker system has been hand-sanded and finished with either a black or white paint.

- fi *Use a soft terry cloth towel slightly dampened with water or a mild detergent. The towel should be just damp enough to wipe the surface clean without leaving a trail of moisture.*
- fi *Do not use abrasive cleaners or any cleaner containing chemicals harsher than those found in glass cleaner.*

Grille Cloth

- fi *You can remove the grilles from the speaker system and gently vacuum to remove dust.*

When ceiling mounting, follow the same installation procedures as previously outlined.



LIMITED WARRANTY

For five years from the date of purchase, Snell Acoustics will repair for the original owner any defect in materials or workmanship that occurs in normal use of the SR.5 Surround, without charge for parts and labor.

Your responsibilities are to use the product according to the instructions supplied, to provide safe and secure transportation to an authorized Snell Acoustics service representative, and to present proof of purchase from an authorized Snell dealer in the form of your sales slip when requesting service.

Excluded from this warranty is damage that results from abuse, misuse, accidents, shipping, repairs, or modifications by anyone other than an authorized Snell Acoustics service representative. This warranty is void if the serial number has been removed or defaced.

This warranty gives you specific legal rights, and you may also have other rights that vary from state to state.

If Service Seems Necessary

Contact the dealer from whom you purchased the speaker systems. If that is not possible, call us at 978-373-6114, or write to:

Snell Acoustics
143 Essex Street
Haverhill, MA 01832

We will promptly advise you of what action to take. If it is necessary to return your speaker system to the factory, please ship it prepaid. After it has been repaired, we will return it freight prepaid in the U.S. or Canada.

Snell

143 Essex Street
Haverhill, MA 01832
978-373-6114 phone
978-373-6172 fax