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- › [Sonance](#) /
- › [Sonance MAG6R - 6-1/2" 2-Way in-Ceiling Speakers User Manual](#)

Sonance MAG6R

Sonance MAG6R In-Ceiling Speakers User Manual

Model: MAG6R

PRODUCT OVERVIEW

The Sonance MAG6R 6-1/2" 2-Way In-Ceiling Speakers are designed to integrate seamlessly into your home audio system, providing high-quality sound from a discreet installation. Each speaker features a 6-1/2" glass fiber cone woofer with a rubber surround and a pivoting design, paired with a 1" silk-dome ferrofluid-cooled pivoting tweeter. This combination ensures a wide frequency response and clear audio reproduction. The speakers come with paintable perforated steel grilles, allowing them to blend with your interior decor.



Image: Sonance MAG6R In-Ceiling Speaker, showing the main speaker unit and the removable white perforated grille. The speaker features a black frame and a central tweeter.

SAFETY INFORMATION

Please read all safety instructions before installation and use. Failure to follow these instructions may result in injury or damage to the product.

- Ensure power is disconnected before installation or maintenance.
- Installation should be performed by a qualified professional if you are unsure of the process.
- Do not expose speakers to excessive moisture or extreme temperatures.
- Use appropriate wiring and connectors as specified for audio equipment.
- Keep out of reach of children.

SETUP AND INSTALLATION

The Sonance MAG6R speakers are designed for in-ceiling installation. Proper planning and execution are crucial for optimal performance and safety.

1. Planning Speaker Placement

Consider the acoustics of your room and the desired sound field. For surround sound systems, refer to your audio receiver's manual for recommended speaker layouts. Ensure there are no obstructions (e.g., joists, electrical wiring, plumbing) in the ceiling where you plan to install the speakers.

2. Preparing the Mounting Hole

The mounting cutout diameter is 9-3/4 inches. The mounting depth required is approximately 4 inches.

1. Using the provided cutout template (if applicable, or measure carefully), mark the desired location on the ceiling.
2. Carefully cut the opening using a drywall saw or appropriate tool.

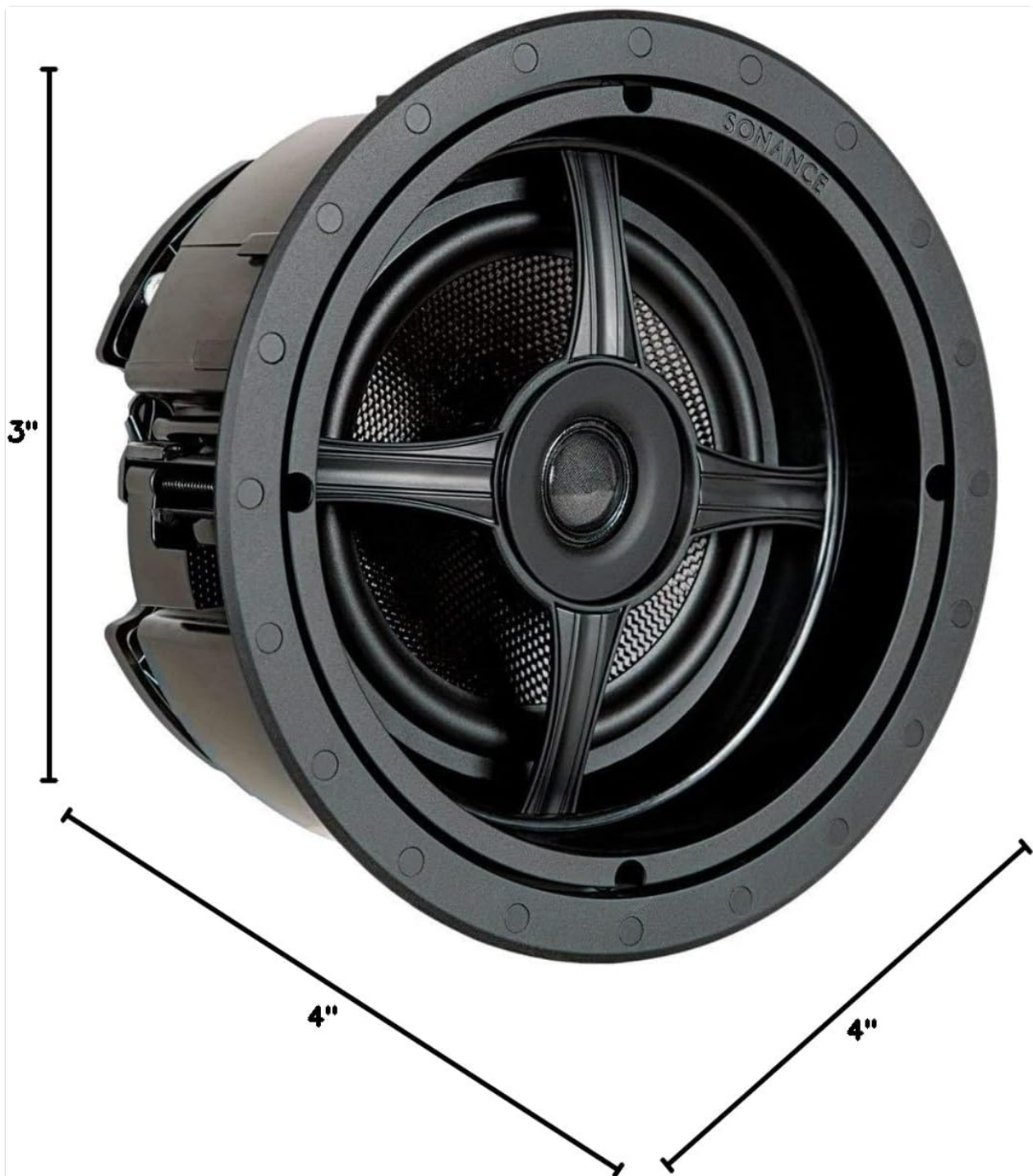


Image: Dimensional diagram of the Sonance MAG6R speaker, indicating its depth and diameter for installation planning.

3. Wiring the Speakers

Connect appropriate gauge speaker wire from your amplifier or receiver to the speaker terminals. Ensure correct polarity (+ to + and - to -) for all speakers in your system.

- Strip approximately 1/2 inch (12 mm) of insulation from the ends of the speaker wire.
- Press down on the terminal tabs on the speaker and insert the bare wire ends into the corresponding holes. Release the tabs to secure the wire.



Image: Rear view of the Sonance MAG6R speaker, highlighting the spring-loaded wire terminals for connecting audio cables.

4. Mounting the Speakers

The speakers feature integrated mounting clamps for secure installation.

1. Carefully insert the speaker into the cutout hole.
2. Tighten the mounting screws on the front baffle of the speaker. This will rotate the mounting clamps outwards and secure the speaker to the ceiling material. Do not overtighten.



Image: Side profile of the Sonance MAG6R speaker, illustrating the robust mounting clamps that secure the speaker within the ceiling opening.

5. Attaching the Grille

The perforated steel grilles attach magnetically for a clean, flush finish.

- Align the grille with the speaker frame.
- The magnets will pull the grille into place, securing it firmly.
- The grilles can be painted to match your ceiling color before installation.

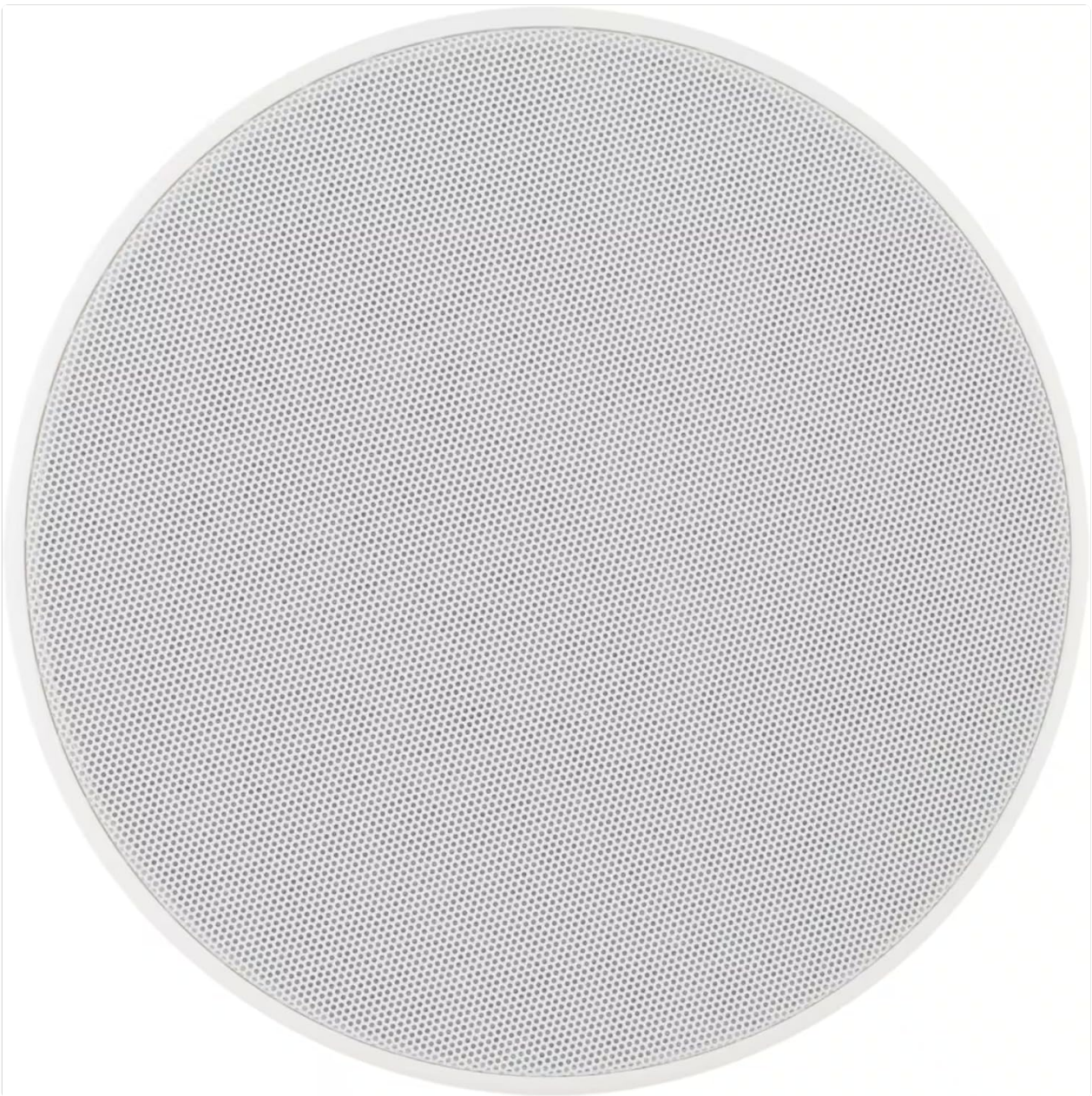


Image: Close-up of the white perforated steel grille, designed to be paintable and attach magnetically to the speaker frame.

OPERATING INSTRUCTIONS

Once installed, the Sonance MAG6R speakers operate as part of your audio system. There are no direct controls on the speakers themselves.

Adjusting Pivoting Tweeter and Woofer

The 1" silk-dome tweeter and 6-1/2" glass fiber woofer are pivoting, allowing you to direct the sound towards the primary listening area for optimized audio performance.

- Gently push the edge of the tweeter or woofer assembly to angle it as desired.
- Avoid excessive force to prevent damage.



Image: Front view of the Sonance MAG6R speaker without its grille, revealing the central pivoting tweeter and the surrounding pivoting woofer, which can be angled for optimal sound direction.

MAINTENANCE

The Sonance MAG6R speakers require minimal maintenance.

- **Cleaning:** Use a soft, dry cloth to wipe the grilles and speaker frame. Do not use harsh chemicals or abrasive cleaners.
- **Grille Painting:** If painting the grilles, ensure they are clean and dry. Use a thin coat of paint to avoid clogging the perforations, which could affect sound quality. Allow to dry completely before reattaching.
- **Inspection:** Periodically check speaker connections to ensure they remain secure.

TROUBLESHOOTING

If you experience issues with your Sonance MAG6R speakers, consider the following common troubleshooting steps:

Problem	Possible Cause	Solution
No Sound	Loose or incorrect wiring. Amplifier/receiver not powered on or set to correct input. Speaker selector switch (if used) is off.	Check all speaker wire connections at both the speaker and amplifier. Ensure correct polarity. Verify amplifier/receiver power and input selection. Ensure speaker selector is engaged.
Distorted Sound	Overdriving the speakers (volume too high). Loose connections. Damaged speaker wire.	Reduce volume. Check all connections. Inspect speaker wire for cuts or fraying; replace if necessary.
Poor Bass Response	Incorrect polarity (out of phase). Room acoustics.	Double-check speaker wire polarity at both ends. Consider adding a subwoofer for enhanced bass.

SPECIFICATIONS

Model Name	MAG6R
Speaker Type	In-Ceiling
Woofer Diameter	6.5 Inches (Glass Fiber Cone with Rubber Surround, Pivoting)
Tweeter Diameter	1 Inch (Silk-Dome, Ferrofluid-Cooled, Pivoting)
Frequency Response	45Hz - 20kHz
Sensitivity	89dB
Nominal Impedance	8 Ohms
Maximum Input Power	125 Watts
Mounting Cutout Diameter	9-3/4 inches
Mounting Depth	Approximately 4 inches
Connectivity Technology	RCA (Note: Typically bare wire or banana plugs for passive speakers)
Included Components	Pair of round perforated steel grilles
Color	Black (Speaker Frame), White (Grille)
Material	Steel (Grille)

Item Weight

3.7 Pounds (per speaker)

WARRANTY INFORMATION



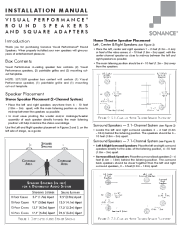
The Sonance MAG6R speakers come with a Limited Warranty. For specific terms and conditions, please refer to the warranty documentation included with your purchase or visit the official Sonance website.


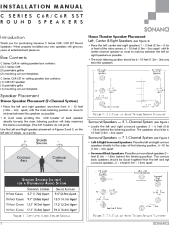

CUSTOMER SUPPORT

For further assistance, technical support, or to inquire about replacement parts, please visit the official Sonance website or contact their customer service department. Contact information can typically be found on the manufacturer's website or in your product packaging.

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Related Documents - MAG6R

	<p>Sonance MAG6R 6.5 Inch 2-Way In-Ceiling Speaker Installation and Warranty Guide</p> <p>Detailed installation instructions, stereo placement guide, speaker adjustment tips, and one-year limited warranty information for the Sonance MAG6R 6.5-inch 2-way in-ceiling speakers.</p>
	<p>Sonance Invisible Series Speakers: Installation Manual & Technical Guide</p> <p>Comprehensive installation manual for Sonance Invisible Series speakers (IS6, IS8, IS10, IS10W). Covers product features, safety instructions, preparation, installation steps for retrofit and new construction, finishing techniques, technical specifications, FAQs, and warranty information.</p>
	<p>Sonance Visual Performance Round Speakers and Square Adapters Installation Manual</p> <p>Comprehensive installation guide for Sonance Visual Performance Round Speakers and Square Adapters, covering speaker placement, wiring, adjustments, and warranty information.</p>

	<p>Sonance Visual Experience Extreme Series Installation Manual</p> <p>Comprehensive installation guide for Sonance Visual Experience Extreme Series speakers and subwoofers, including VVXT6, VVXT6R, VVXT8R, VVXT6R SST, VVXT8RW, and VVXT10RW models. Covers safety, installation steps, painting, technical specifications, and warranty.</p>
	<p>Sonance C Series C6R/C6R SST Round In-Ceiling Speakers Installation Manual</p> <p>Comprehensive installation guide for Sonance C Series C6R and C6R SST round in-ceiling speakers, covering speaker placement, box contents, installation steps, and warranty information.</p>
	<p>Sonance Invisible Series Speakers Installation Manual</p> <p>Comprehensive installation guide for Sonance Invisible Series speakers (IS6, IS8, IS10, IS10W), covering product features, safety, installation steps, finishing techniques, and technical specifications.</p>