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Audibax CS8T

Audibax CS8T In-Ceiling Speaker User Manual

Model: CS8T | Brand: Audibax

1. Introduction

Thank you for choosing the Audibax CS8T In-Ceiling Speaker. This manual provides essential information for the safe and efficient installation, operation, and maintenance of your speaker. Please read this manual thoroughly before using the product and retain it for future reference.

2. Safety Instructions

To ensure safe operation and prevent damage, please observe the following precautions:

- **Power:** This is a passive speaker and requires an external amplifier. Ensure the amplifier is turned off before making any connections.
- **Installation:** Installation should be performed by qualified personnel. Ensure the mounting surface can support the speaker's weight.
- **Wiring:** Use appropriate gauge speaker wire and ensure correct polarity (+ to + and - to -) to avoid phase issues and potential damage.
- **Environment:** Do not expose the speaker to excessive moisture, extreme temperatures, or direct sunlight.
- **Cleaning:** Disconnect power before cleaning. Use a soft, dry cloth. Do not use liquid cleaners or aerosols.
- **Servicing:** Do not attempt to service this product yourself. Refer all servicing to qualified service personnel.

3. Package Contents

Please check that all items are present and in good condition:

- Audibax CS8T In-Ceiling Speaker
- Instruction Manual

4. Product Overview

The Audibax CS8T is an 8-inch in-ceiling passive speaker designed to deliver high-quality stereo sound. It features a durable design with a glass fiber woofer and a titanium tweeter, protected by a metal grille. Its discreet round design allows for seamless integration into any home or office environment.

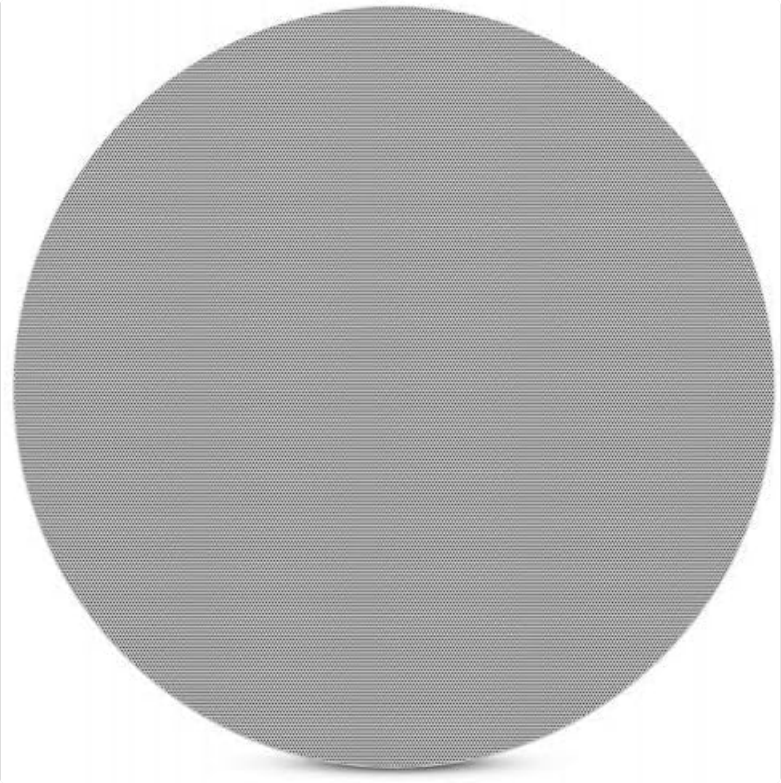


Figure 4.1: Audibax CS8T In-Ceiling Speaker with grille.

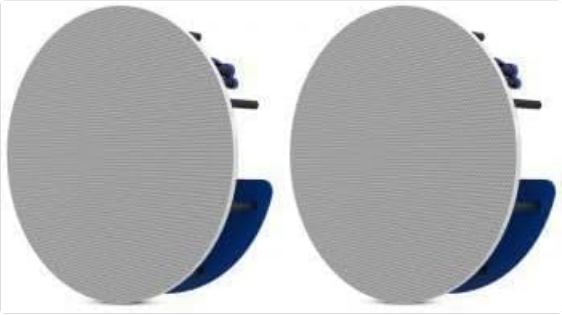


Figure 4.2: Audibax CS8T In-Ceiling Speaker with grille removed, showing the glass fiber woofer and titanium tweeter.

5. Setup and Installation

The Audibax CS8T speaker is designed for easy and simple installation in ceilings. It requires a minimum installation depth of 12 cm (4.7 inches).

5.1. Planning the Installation

- Determine the optimal placement for sound distribution.

- Ensure there are no obstructions (e.g., electrical wires, pipes, studs) in the ceiling where you plan to install the speaker.
- Verify that the ceiling material is suitable for mounting and can support the speaker's weight.

5.2. Installation Steps

1. **Cut the Opening:** Using the provided template (if included) or the speaker's outer diameter (28.4 cm / 11.18 inches), carefully mark and cut a circular opening in the ceiling.
2. **Run Speaker Wires:** Route the speaker wires from your amplifier to the speaker opening. Leave enough slack for connection.
3. **Connect Wires:** Connect the speaker wires to the speaker's terminals. Ensure correct polarity: positive (+) to positive (+) and negative (-) to negative (-).
4. **Insert Speaker:** Carefully insert the speaker into the cut opening. The mounting clamps will automatically engage or can be tightened from the front (depending on the mechanism).
5. **Secure Speaker:** Tighten any screws on the mounting clamps to secure the speaker firmly in place. Do not overtighten.
6. **Attach Grille:** Place the magnetic grille onto the speaker. It should snap into place easily.

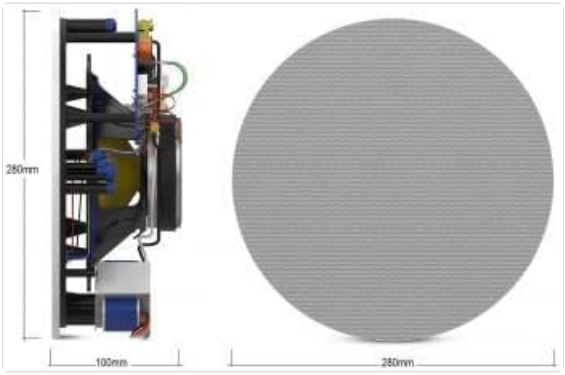


Figure 5.1: Dimensions of the Audibax CS8T speaker (280mm diameter, 100mm depth).



Figure 5.2: Example of Audibax CS8T speakers discreetly installed in a ceiling.

6. Operating the Speaker System

The Audibax CS8T is a passive speaker, meaning it requires an external audio amplifier to function. It does not have built-in Bluetooth or a remote control; these features would be part of your connected amplifier or audio source.

6.1. Connecting to an Amplifier

1. Ensure your amplifier is turned off and unplugged from the power outlet.
2. Connect the speaker wires from the Audibax CS8T speaker to the corresponding speaker output terminals on your amplifier. Match positive (+) to positive (+) and negative (-) to negative (-).
3. If connecting multiple speakers, ensure your amplifier can handle the combined impedance load (the CS8T has an impedance of 8 ohms).

6.2. Playing Audio

1. Once all connections are secure, plug in and turn on your amplifier.
2. Select your desired audio source (e.g., smartphone, tablet, media player) connected to your amplifier.
3. Start playing audio at a low volume and gradually increase it to your preferred listening level.

7. Maintenance

Regular maintenance will help ensure the longevity and optimal performance of your Audibax CS8T speaker.

- **Cleaning:** Use a soft, dry, lint-free cloth to wipe the speaker grille and surrounding areas. Do not use abrasive cleaners, solvents, or harsh chemicals, as these can damage the finish or components.
- **Grille Care:** The metal grille can be carefully removed for cleaning if necessary. Ensure it is dry before reattaching.
- **Inspection:** Periodically check the speaker for any signs of damage or loose connections.

8. Troubleshooting

If you experience issues with your Audibax CS8T speaker, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
No sound from speaker	• Amplifier is off or muted. • Loose or incorrect speaker wire connection. • Audio source not playing or volume too low. • Faulty speaker wire.	• Turn on amplifier, check mute settings. • Verify all speaker wire connections at both the speaker and amplifier. Ensure correct polarity. • Check audio source playback and volume. • Test with a different speaker wire if possible.

Problem	Possible Cause	Solution
Distorted sound	• Volume too high (clipping). • Loose speaker wire connection. • Damaged speaker. • Amplifier issues.	• Reduce amplifier volume. • Check speaker wire connections. • If distortion persists at low volumes, the speaker may be damaged. Contact support. • Test with a different amplifier if available.
Sound from only one speaker (in a pair)	• Connection issue for the silent speaker. • Amplifier channel issue.	• Check wiring for the silent speaker. Swap speakers to determine if the issue is with the speaker or the amplifier channel.

If the problem persists after trying these solutions, please contact Audibax customer support or your retailer for further assistance.

9. Specifications

Key technical specifications for the Audibax CS8T In-Ceiling Speaker:

Feature	Specification
Model Name	CS8T
Speaker Type	In-Ceiling, Passive
Woofer Material	Glass Fiber
Tweeter Material	Titanium
Maximum Output Power	80 Watts
Impedance	8 ohms
Frequency Response	50 Hz - 20 KHz
Sound Pressure Level (SPL)	90 dB
Product Dimensions (L x W x H)	31.5 x 30.8 x 11.8 cm (12.4 x 12.1 x 4.6 inches)
Weight	2.75 kg (6.06 lbs)
Mounting Type	Ceiling Mount

10. Warranty and Support

Audibax products are manufactured to high-quality standards. Specific warranty terms and conditions may vary by region and retailer. Please refer to the warranty information provided at the time of purchase or contact your retailer for details.

10.1. Customer Support

For technical assistance, troubleshooting, or service inquiries, please contact your authorized Audibax dealer or visit the official Audibax website for support resources.

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