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ChiliTec 20806

ChiliTec Mini In-Ceiling Speaker Model 20806 User Manual

Model: 20806 | Brand: ChiliTec

INTRODUCTION

This manual provides essential information for the proper installation, operation, and maintenance of your ChiliTec Mini In-Ceiling Speaker, Model 20806. Please read this manual thoroughly before using the product to ensure optimal performance and safety.

The ChiliTec Mini In-Ceiling Speaker is designed to offer quality stereo sound with a discreet, modern aesthetic. Its compact size and elegant black finish allow it to blend seamlessly into various interior designs, making it ideal for home audio systems.

Key Features:

- **Elegant Design:** Modern and discreet look with a black finish.
- **Quality Stereo Sound:** Clear and powerful audio with a maximum output of 12 watts.
- **Easy Installation:** Compact size (8 cm diameter, 2.5 cm thickness) for simple ceiling mounting.
- **Intuitive Control:** Integrated tactile control for volume and audio functions (when used with compatible systems).
- **Versatile Compatibility:** Compatible with various devices including TVs, tablets, smartphones, and laptops.

PACKAGE CONTENTS

Ensure all items are present before proceeding with installation:

- ChiliTec Mini In-Ceiling Speaker (1 unit)
- Mounting Brackets (pre-attached)

Note: Additional cables or audio sources are not included and must be purchased separately.

SAFETY INFORMATION

- Always disconnect power before installation or maintenance.
- Ensure proper wiring to avoid electrical hazards. If unsure, consult a qualified electrician.
- Do not expose the speaker to excessive moisture or extreme temperatures.
- Keep out of reach of children.
- Do not attempt to disassemble or modify the speaker. This will void the warranty.

SETUP AND INSTALLATION

The ChiliTec Mini In-Ceiling Speaker is designed for easy installation in ceilings or walls. Follow these steps for proper setup:

1. Prepare the Mounting Location

Choose a suitable location in your ceiling or wall. Ensure there are no electrical wires, pipes, or other obstructions behind the mounting surface. The recommended mounting hole diameter is 60 mm (approximately 2.36 inches).

1. Mark the desired location for the speaker.
2. Using an appropriate hole saw, cut a circular opening with a diameter of 60 mm.

2. Wiring the Speaker

The speaker connects via a wired auxiliary connection. Ensure your audio source (amplifier, receiver, etc.) is compatible with an 8 Ohm impedance speaker.

1. Route the speaker wire from your audio source to the mounting hole.
2. Connect the speaker wires to the terminals on the back of the speaker. Pay attention to polarity (positive to positive, negative to negative) for optimal sound quality.



Image: Rear view of the speaker, illustrating the spring-loaded mounting clips and the wiring terminals for connection to an audio source.

3. Mounting the Speaker

The speaker features spring-loaded mounting clips for secure installation.

1. Gently push the spring-loaded mounting clips inwards.
2. Insert the speaker into the prepared hole.
3. Once the speaker is in place, release the clips. They will spring outwards and secure the speaker firmly against the ceiling or wall.



Image: Front view of the ChiliTec Mini In-Ceiling Speaker, showing its black grille and bezel, designed to blend discreetly into a ceiling or wall surface.

OPERATING INSTRUCTIONS

Once installed and connected to an audio source, the ChiliTec Mini In-Ceiling Speaker operates as a passive speaker. Its primary function is to reproduce audio signals received from your amplifier or audio system.

- **Power On/Off:** The speaker itself does not have a power button. It receives power and audio signals from the connected audio source. Turn your audio source on or off to control the speaker's operation.
- **Volume Control:** Adjust the volume directly from your connected audio source (e.g., amplifier, receiver, smartphone, TV).
- **Audio Source Selection:** Select your desired audio input on your connected audio device.
- **Tactile Control:** The product description mentions "Tactile Control". If your specific audio setup includes a compatible ChiliTec system with tactile control features, refer to that system's manual for specific instructions on how to use this functionality with the speaker. For standard setups, control is typically managed via the audio source.

MAINTENANCE

To ensure the longevity and optimal performance of your ChiliTec Mini In-Ceiling Speaker, follow these simple maintenance guidelines:

- **Cleaning:** Use a soft, dry cloth to gently wipe the speaker grille and bezel. Do not use abrasive cleaners, solvents, or excessive moisture, as these can damage the finish or internal components.
- **Dust Removal:** Periodically use a soft brush or a vacuum cleaner with a brush attachment on a low setting to remove dust from the speaker grille.
- **Inspection:** Occasionally inspect the speaker for any visible damage or loose connections. If any issues are found, address them promptly.
- **Environment:** Avoid installing the speaker in areas with high humidity, direct sunlight, or extreme temperature fluctuations.

TROUBLESHOOTING

If you encounter issues with your ChiliTec Mini In-Ceiling Speaker, refer to the following common troubleshooting steps:

Problem	Possible Cause	Solution
No sound from speaker	Audio source is off or muted. Incorrect input selected on audio source. Loose or incorrect wiring connections. Speaker wire damage. Faulty audio source/amplifier.	Ensure audio source is on and volume is up. Select the correct input on your amplifier/receiver. Check all speaker wire connections at both the speaker and the audio source. Ensure correct polarity. Inspect speaker wires for cuts or breaks. Replace if necessary. Test with another speaker or audio source if possible.
Distorted or poor sound quality	Volume too high, causing clipping. Incorrect wiring polarity. Low-quality audio source. Speaker damage.	Reduce volume on your audio source. Verify correct positive (+) and negative (-) wiring. Try a different audio source or higher quality audio files. Inspect speaker for physical damage.
Only one speaker working (if using multiple)	Wiring issue for the non-working speaker. Balance settings on audio source. Faulty speaker.	Check wiring connections for the silent speaker. Adjust balance settings on your amplifier/receiver. Swap speakers to determine if the issue is with the speaker or the wiring/audio channel.

If the problem persists after trying these solutions, please contact customer support.

SPECIFICATIONS

Feature	Detail
Model Number	20806
Brand	ChiliTec
Speaker Type	Satellite, In-Ceiling/Wall Mount
Color	Black
Material	Metal
Dimensions (L x W x H)	8 x 8 x 2.5 cm (3.15 x 3.15 x 0.98 inches)
Weight	130 grams (0.29 lbs)
Mounting Hole Diameter	60 mm (2.36 inches)
Max Output Power	12 Watts
Impedance	8 Ohms
Frequency Response	Up to 18 KHz
Connectivity Technology	Wired (Auxiliary)
Audio Output Mode	Stereo (1.0 Channel Configuration per speaker)
Control Method	Tactile (via compatible system) / External Audio Source
Recommended Uses	Home audio system
Compatible Devices	Personal Computer, Laptop, Smartphone, Tablet, Television
Special Features	Only 25 mm thickness, ideal for suspended ceilings and lightweight construction

WARRANTY AND SUPPORT

Specific warranty information and direct customer support contact details are not provided within the product specifications. For warranty claims or technical assistance, please refer to the retailer where you purchased the product or visit the official ChiliTec website for general support information.

Always retain your proof of purchase for warranty purposes.
