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Acoustic Audio by Goldwood HDS10

Acoustic Audio by Goldwood HDS10 10-Inch In-Wall Passive Subwoofer Speaker Instruction Manual

Model: HDS10

INTRODUCTION

The Acoustic Audio by Goldwood HDS10 is a 10-inch in-wall passive subwoofer speaker designed to enhance your home theater surround sound system. This subwoofer is engineered to deliver deep, precise bass without occupying floor space, integrating seamlessly into your living environment. It features a durable construction and a design that allows for easy installation and customization.

PRODUCT FEATURES

- **Power Handling:** 20-300 watts recommended power.
- **Frequency Response:** 26Hz-200Hz for deep bass reproduction.
- **Efficiency:** 98dB.
- **Impedance:** 8 Ohm.
- **Woofers:** 10-inch woven fiber bulletproof cone with butyl rubber surround for enhanced performance and quick bass response.
- **Mounting System:** Integrated wall-lock mounting system for secure and easy installation.
- **Grille:** Paintable frame and grille to match any interior decor.
- **Housing:** Low profile design for discreet integration.
- **Connectivity:** Spring-loaded speaker wire terminals.
- **Design:** Designed and engineered in the USA.

PACKAGE CONTENTS

- 1 x Acoustic Audio HDS10 In-Wall Passive Subwoofer Speaker

- 1 x Cutout Template
- Speaker Wire
- Instruction Manual

INSTALLATION GUIDE

Proper installation is crucial for optimal performance and seamless integration of your HDS10 subwoofer. Please follow these steps carefully.

1. Planning and Location

Choose a suitable location in your wall or ceiling. Ensure there are no electrical wires, plumbing, or structural elements behind the chosen area. The subwoofer is suitable for in-wall or in-ceiling home entertainment, surround sound, home theater, and multiple room systems.

2. Preparing the Opening

1. Use the provided cutout template to mark the precise opening on your wall or ceiling. The cutout dimensions are approximately 10.625" x 10.625".
2. Carefully cut along the marked line using an appropriate tool (e.g., drywall saw).

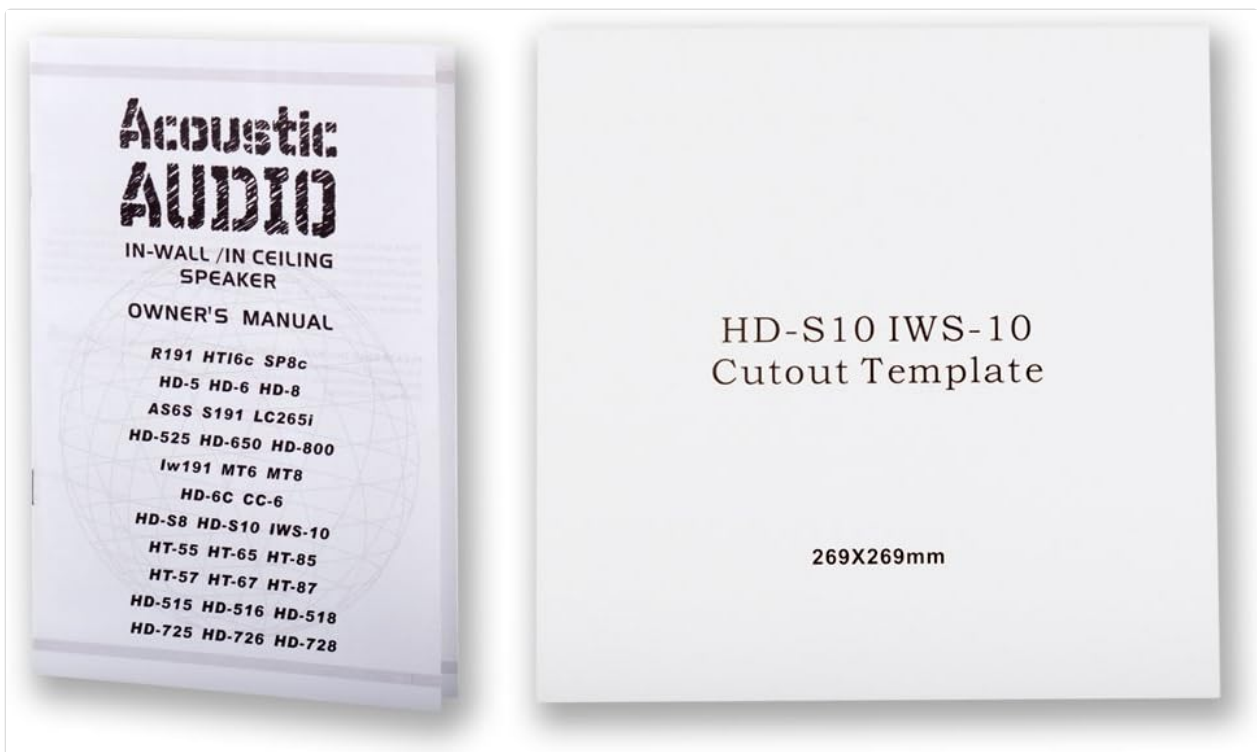


Image: The owner's manual and the cutout template for the HDS10 subwoofer. The template ensures accurate sizing for wall or ceiling openings.

3. Wiring the Subwoofer

1. Run the speaker wire from your amplifier to the cutout opening.
2. Connect the speaker wire to the spring-loaded terminals on the back of the subwoofer. Ensure correct polarity (positive to positive, negative to negative).

4. Mounting the Subwoofer

1. Insert the subwoofer into the prepared opening.

2. Engage the integrated wall-lock mounting system. Typically, this involves tightening screws on the front baffle, which will rotate mounting arms to secure the speaker against the drywall. Do not overtighten to avoid damaging the drywall.



Image: Close-up view of the Acoustic Audio HDS10 passive subwoofer without its grille, showcasing the 10-inch woven fiber cone and tweeter.

5. Attaching the Grille

1. Once the subwoofer is securely mounted, attach the paintable grille. The grille is designed to fit flush with the wall/ceiling.
2. If desired, the grille can be painted to match your room's decor. Ensure paint does not clog the perforations.



Image: The Acoustic Audio HDS10 passive subwoofer with its white grille partially removed, revealing the speaker components underneath.

Installation Video

Your browser does not support the video tag.

Video: This video provides a visual guide to the features, installation process, and various applications of in-ceiling/in-wall speakers, demonstrating how to integrate them into different environments.

OPERATING INSTRUCTIONS

The HDS10 is a passive subwoofer, meaning it requires an external amplifier to function. It does not have built-in amplification.

- **Amplifier Requirement:** Connect the HDS10 to a dedicated subwoofer amplifier or a receiver with a subwoofer output that can provide 20-300 watts of power at 8 ohms. The manufacturer recommends the WS1005 Sub amplifier or a sub amp with similar specifications.
- **Power On/Off:** The subwoofer will power on and off with your connected amplifier/receiver.
- **Volume Control:** Adjust the subwoofer volume and crossover frequency settings directly on your amplifier or receiver for optimal bass integration with your main speakers.

CARE AND MAINTENANCE

To ensure the longevity and performance of your Acoustic Audio HDS10 subwoofer, follow these maintenance guidelines:

- **Cleaning:** Gently wipe the grille and frame with a soft, dry cloth. Avoid using harsh chemicals, solvents, or abrasive cleaners, as these can damage the finish or the speaker components.
- **Moisture:** The HDS10 is NOT waterproof. Avoid installing it in areas with high moisture or direct exposure to water. If moisture exposure occurs, disconnect power immediately and allow it to dry completely before use.
- **Environmental Conditions:** Keep the speaker away from extreme temperatures and direct sunlight, which can degrade materials over time.
- **Grille Maintenance:** If you have painted the grille, periodically check for any paint flaking or clogging of the perforations, which could affect sound quality.

TROUBLESHOOTING COMMON ISSUES

If you encounter any issues with your HDS10 subwoofer, refer to the following troubleshooting tips:

- **No Sound:**
 - Ensure the amplifier/receiver is powered on and functioning correctly.
 - Check all speaker wire connections at both the subwoofer and the amplifier for secure and correct polarity.
 - Verify that the correct input source is selected on your amplifier/receiver.
 - Confirm that the volume levels on your amplifier/receiver are not set to minimum or muted.
- **Distorted Sound:**
 - Reduce the volume level on your amplifier/receiver.
 - Check for loose speaker wire connections.
 - Ensure the amplifier is not overdriven or underpowered for the subwoofer's specifications.
 - Adjust bass and treble settings on your amplifier/receiver.
- **Weak Bass:**
 - Increase the subwoofer volume level on your amplifier/receiver.
 - Adjust the crossover frequency settings on your amplifier/receiver.
 - Ensure the subwoofer is connected to an appropriate amplifier (e.g., a dedicated subwoofer amplifier).
 - Check the phase setting on your amplifier/receiver, if available.

TECHNICAL SPECIFICATIONS

Specification	Value
Model Name	In Wall 10" Home Theater Passive Subwoofer Speaker
Mounting Type	In-Wall; In-ceiling
Speaker Type	In Wall
Speaker Maximum Output Power	300 Watts
Frequency Response	26Hz-200Hz
Impedance	8 Ohm

Subwoofer Diameter	10 Inches
Woofer Diameter	10 Inches
Material	Plastic
Color	White
Product Dimensions	12 x 3.8 x 12 inches
Item Weight	7.09 pounds
Is Waterproof	FALSE
UPC	893044002259

WARRANTY AND SUPPORT

Acoustic Audio by Goldwood stands behind the quality of its products.

- **Warranty:** This product comes with a Lifetime Warranty. Please refer to the official Acoustic Audio by Goldwood website or contact customer support for full warranty terms and conditions.
- **Customer Support:** For technical assistance, troubleshooting, or warranty claims, please contact Acoustic Audio by Goldwood customer service. Contact information can typically be found on the product packaging or the official brand website.