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### Acoustic Audio by Goldwood PSC-32

# Acoustic Audio by Goldwood PSC-32 Center Channel Speaker Instruction Manual

Model: PSC-32

## INTRODUCTION

This manual provides essential information for the proper setup, operation, and maintenance of your Acoustic Audio by Goldwood PSC-32 Center Channel Speaker. Please read these instructions thoroughly before use to ensure optimal performance and longevity of your product. Retain this manual for future reference.



Figure 1: Front view of the Acoustic Audio PSC-32 Center Channel Speaker. This image displays the speaker's black finish and front grille, with the Acoustic Audio logo visible at the bottom center.

## SAFETY INSTRUCTIONS

- **Placement:** Position the speaker on a stable, level surface to prevent accidental falls. Ensure adequate ventilation around the speaker to prevent overheating.
- **Power Handling:** Do not exceed the recommended power input of 125 watts. Overpowering the speaker can lead to damage.
- **Moisture:** Keep the speaker away from water, moisture, and high humidity environments.

- **Cleaning:** Disconnect from power before cleaning. Use a soft, dry cloth. Avoid liquid cleaners or abrasive materials.
- **Servicing:** Do not attempt to open or service the speaker yourself. Refer all servicing to qualified personnel.

## PACKAGE CONTENTS

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Verify that all items are present in the package:

- 1 x Acoustic Audio PSC-32 Center Channel Speaker

## PRODUCT FEATURES

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The Acoustic Audio PSC-32 Center Channel Speaker is designed to enhance your home theater audio experience with clear dialogue and robust sound. Key features include:

- **Speaker Configuration:** Two 3-inch full-range woofers for balanced audio reproduction.
- **Power Handling:** Recommended power input of 15-125 watts.
- **Frequency Response:** 85Hz-20kHz.
- **Efficiency:** 89dB.
- **Impedance:** 8 Ohm.
- **Design:** 2-way passive speaker system.
- **Enclosure:** Digitally tuned bass reflex cabinet to minimize internal vibrations.
- **Finish:** Black ash wood grain veneer for a refined aesthetic.
- **Shielding:** Video shielded to prevent interference with CRT displays (less relevant for modern LCD/LED TVs).
- **Connectivity:** Quick release spring-loaded wire terminals for secure speaker wire connection.

## SETUP

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### 1. Placement

For optimal performance in a home theater system, the center channel speaker should be placed directly above or below your television screen, centered horizontally. This ensures that dialogue and on-screen sound effects are accurately localized to the visual source.

### 2. Connection to an Amplifier/Receiver

The PSC-32 is a passive speaker and requires connection to an amplifier or AV receiver. Use high-quality speaker wire for the best audio transmission.

1. Ensure your amplifier/receiver is turned off and unplugged from the power outlet.
2. Locate the speaker terminals on the rear of the PSC-32 speaker and on your amplifier/receiver.
3. Strip approximately 1/2 inch (1.25 cm) of insulation from the ends of your speaker wire. Twist the bare wire strands tightly.
4. Connect the positive (+) terminal (red) on the speaker to the positive (+) terminal on your amplifier/receiver's center channel output.
5. Connect the negative (-) terminal (black) on the speaker to the negative (-) terminal on your amplifier/receiver's center channel output.
6. Ensure that no stray wire strands are touching other terminals, which could cause a short circuit.



Figure 2: Rear view of the PSC-32 speaker. This image shows the quick release spring-loaded wire terminals (red for positive, black for negative) and a mounting hang tab.

## OPERATING INSTRUCTIONS

Once the speaker is correctly connected to your amplifier/receiver:

1. Plug in and power on your amplifier/receiver.
2. Select the appropriate audio input source on your amplifier/receiver.
3. Gradually increase the volume to a comfortable listening level.
4. Adjust the center channel level on your amplifier/receiver as needed to balance dialogue with other audio elements in your home theater system. Refer to your amplifier/receiver's manual for specific audio calibration instructions.

## MAINTENANCE

- **Cleaning:** Use a soft, dry, lint-free cloth to clean the speaker cabinet. Do not use liquid cleaners, aerosols, or solvents, as these may damage the finish or internal components.
- **Grille:** The acoustically transparent grille is not designed to be easily removable. Avoid attempting to remove it to prevent damage.
- **Environment:** Avoid exposing the speaker to direct sunlight, extreme temperatures, or high humidity.

## TROUBLESHOOTING

If you encounter issues with your PSC-32 speaker, consult the following common problems and solutions:

Problem	Possible Cause	Solution
No sound from speaker	Incorrect wiring; amplifier/receiver not powered on or incorrect input selected; speaker wire damaged.	Check all speaker wire connections for correct polarity (+ to + and - to -). Ensure amplifier/receiver is on and set to the correct input. Test with a different speaker wire if possible.

Problem	Possible Cause	Solution
Distorted or unclear sound	Overpowering the speaker; loose connections; amplifier/receiver settings incorrect.	Reduce volume. Check all speaker wire connections for tightness. Consult your amplifier/receiver manual for proper speaker setup and calibration.
Low volume from center channel	Center channel level setting too low on amplifier/receiver.	Increase the center channel level in your amplifier/receiver's audio settings.

If the problem persists after trying these solutions, please contact customer support or a qualified technician.

## SPECIFICATIONS

Detailed specifications for the Acoustic Audio PSC-32 Center Channel Speaker:

- **Model:** PSC-32
- **Mounting Type:** Shelf Mount
- **Material:** Wood
- **Speaker Type:** Center Channel, Bookshelf
- **Recommended Uses:** Home Theater, Indoor
- **Product Dimensions (D x W x H):** 4.92" x 21" x 10.03"
- **Item Weight:** 3.8 Pounds (approximately 1.72 kg)
- **Impedance:** 8 Ohm
- **Speaker Maximum Output Power:** 124 Watts
- **Frequency Response:** 20 KHz (upper limit, full range is 85Hz-20kHz)
- **Audio Output Mode:** Surround
- **Woofer Diameter:** 3 Inches (x2)
- **Color:** Black
- **Number of Items:** 1



*Figure 3: Dimensions of the PSC-32 speaker. This image illustrates the speaker's width (21 inches), height (10.03 inches), and depth (4.92 inches).*

## **WARRANTY AND SUPPORT**

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The Acoustic Audio by Goldwood PSC-32 Center Channel Speaker comes with a Lifetime Warranty. For warranty claims, technical assistance, or any product-related inquiries, please contact your authorized dealer or the manufacturer directly. Please have your product model number (PSC-32) and purchase information ready when contacting support.