Polk Audio Atrium 8

Polk Audio Atrium 8 Outdoor Speaker Instruction Manual

Model: Atrium 8 (ATRIUM8W)

1. INTRODUCTION

The Polk Audio Atrium 8 Outdoor Speaker is designed to deliver high-performance audio in various outdoor environments. Featuring all-weather durability and versatile mounting options, this speaker provides clear sound and powerful bass for your outdoor activities. This manual provides essential information for proper installation, operation, and maintenance to ensure optimal performance and longevity.

Figure 1: Front view of the Polk Audio Atrium 8 Outdoor Speaker.

2. SAFETY INFORMATION

Please read and understand all safety instructions before installing or using this product. Retain this manual for future reference.

- **Electrical Safety:** Ensure all wiring is correctly connected and insulated to prevent electrical hazards. Use appropriate gauge wiring for the distance and power requirements.
- **Mounting Safety:** Always mount speakers securely to a stable surface using appropriate hardware. Consult a professional if unsure about mounting procedures.
- **Environmental Conditions:** While designed for all-weather use, avoid submerging the speaker in water. Ensure proper drainage if installed in areas prone to heavy rain.
- **Hearing Protection:** Prolonged exposure to high volume levels can cause permanent hearing damage. Adjust volume to a comfortable level.

3. PACKAGE CONTENTS

Verify that all items are present in the package:

- Polk Audio Atrium 8 Outdoor Speaker (1 unit)
- Mounting Bracket (1 unit)
- Instruction Manual (this document)

4. SETUP

4.1. Speaker Placement

For optimal sound coverage, place the Atrium 8 speaker in an area that allows for broad sound dispersion. Consider mounting under eaves or overhangs to provide some protection from direct elements, although the speaker is all-weather certified. Ensure the speaker is placed no more than eight feet apart from each other if using a stereo pair, and slightly higher than ear level for the best listening experience.

Figure 2: Atrium 8 speakers installed in an outdoor patio setting, demonstrating all-weather certification.

4.2. Mounting the Speaker

The Atrium 8 features a Speed-Lock Mounting System for easy and secure installation. The bracket allows for vertical or horizontal mounting and offers anti-slip, one-handed installation.

1. Position the mounting bracket on the desired surface (wall or ceiling) and mark the screw holes.
2. Drill pilot holes if necessary and secure the bracket using appropriate screws (not included) suitable for your mounting surface.
3. Attach the speaker to the bracket using the large plastic knobs supplied. Point the speaker towards the listening area.
4. Once the direction is determined, tighten the bracket knobs securely to prevent movement and ensure longevity against weather elements.

IMMERSIVE OUTDOOR AUDIO

Broad coverage baffle design fills medium-to-large outdoor spaces with full-range sound.

Figure 3: The Speed-Lock Mounting System allows for secure vertical or horizontal installation.

Figure 4: Rear view of the speaker with the mounting bracket attached.

4.3. Wiring the Speaker

The Atrium 8 features a single/dual input switch and standard speaker terminals. Ensure your amplifier or receiver is turned off before making connections.

1. **Single/Dual Input Switch:** Locate the switch on the back of the speaker.

   - For use as a single high-performance stereo loudspeaker, set the switch to the appropriate position (refer to the speaker's markings).
   - For use as a Left/Right speaker in a high-performance stereo pair, set the switch to the appropriate position.

2. **Speaker Terminals:** Connect the positive (+) terminal of your amplifier to the red terminal on the speaker, and the negative (-) terminal of your amplifier to the black terminal on the speaker. Ensure a tight connection to prevent signal loss.

3. Use 16-gauge weatherproof wire for runs up to 50 feet to maintain good contact and prevent signal degradation.

Figure 5: Detail of the single/dual input switch on the rear of the speaker.

SPEED LOCK
MOUNTING SYSTEM

Securely mount vertically or horizontally with
one-click installation and no-slip angle setting.

Figure 6: Speaker terminals for connecting audio cables.

5. OPERATION

5.1. Connecting to an Audio Source

Connect your Polk Audio Atrium 8 speaker(s) to a compatible stereo receiver or amplifier. Ensure the amplifier's power output matches the speaker's requirements (up to 125 Watts per speaker).

5.2. Adjusting Volume and Sound

Control the volume and audio settings directly from your connected amplifier or receiver. The Atrium 8 is designed to deliver clear midrange and deep, accurate bass thanks to its Dynamic Balance driver and Power Port design.

FLAGSHIP ALL-WEATHER OUTDOOR LOUDSPEAKER

Figure 7: The Power Port bass venting enhances low-frequency output.

5.3. Product Overview Video

Watch this official product overview from Polk Audio for additional insights into the Atrium speaker family.

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Video 1: Polk Atrium Family Product Overview. This video provides a general overview of the Polk Atrium series, highlighting key features and benefits.

For a more specific product overview, refer to this video:

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Video 2: AW Product Overview. This video details the features and design of the Atrium series, including its all-weather capabilities.

6. Maintenance

The Polk Audio Atrium 8 is built for durability in outdoor conditions. To maintain its appearance and performance:

- **Cleaning:** Wipe the speaker cabinet and grille with a soft, damp cloth to remove dust and debris. Avoid using harsh chemicals or abrasive cleaners.
- **All-Weather Durability:** The speaker is designed to withstand salt-fog, UV exposure, extreme temperatures, and heavy rain. Regular visual inspection for any physical damage is recommended, especially after severe weather conditions.
- **Hardware:** Periodically check the mounting hardware to ensure it remains tight and secure.

7. Troubleshooting

If you encounter issues with your Atrium 8 speaker, refer to the following common solutions:

Problem	Possible Cause	Solution
No sound from speaker	Loose or incorrect wiring; amplifier off or muted; incorrect input selection.	Check all speaker wire connections at both the speaker and amplifier. Ensure amplifier is powered on and not muted. Verify correct input source on amplifier.
Distorted or unclear sound	Volume too high; damaged speaker wire; incorrect single/dual input switch setting.	Reduce amplifier volume. Inspect speaker wires for damage and replace if necessary. Ensure the single/dual input switch is set correctly for your configuration.

Problem	Possible Cause	Solution
Lack of bass	Incorrect wiring polarity; speaker placement.	Verify positive (+) and negative (-) connections are consistent for all speakers. Adjust speaker placement to utilize wall reflections for enhanced bass.

8. SPECIFICATIONS

Feature	Detail
Model Name	Atrium 8
Speaker Type	Outdoor
Mounting Type	Wall Mount
Woofer Diameter	6.5 Inches
Tweeters	Two 1" Anodized Aluminum Dome Tweeters
Speaker Maximum Output Power	125 Watts
Impedance	8 Ohms
Frequency Response	27 KHz (upper limit, typical range is broader)
Connectivity Technology	Wired
Material	Mineral-filled polypropylene
Color	White
Product Dimensions (DxWxH)	9.2"D x 8.5"W x 12.9"H
Item Weight	9.7 Pounds
Special Feature	All-weather, Waterproof
UPC	747192118907

9. WARRANTY & SUPPORT

Polk Audio products are designed for reliability and performance. For specific warranty details and terms, please refer to the warranty card included with your product or visit the official Polk Audio website. Keep your proof of purchase for any warranty claims.

9.1. Customer Support

For technical assistance, product registration, or further inquiries, please visit the official Polk Audio support page or contact their customer service directly. Contact information can typically be found on the manufacturer's website or in your product packaging.
Online Support: www.polkaudio.com/support