

Proficient AW830

Proficient AW830 8-inch Indoor/Outdoor Speakers Instruction Manual

Model: AW830

1. INTRODUCTION

The Proficient AW830 speakers are designed to deliver high-quality audio performance in both indoor and outdoor environments. Featuring an 8-inch polypropylene woofer for deep bass, a 3-inch graphite midrange driver, and a 1-inch pivoting soft dome tweeter, these speakers provide a balanced and clear audio experience. The weather-resistant ABS housing and rustproof, powder-coated aluminum grille ensure durability and protection against various weather conditions, including rain, ice, and sleet. A versatile swivel bracket allows for flexible mounting options, enabling horizontal or vertical orientation and precise sound direction.

2. SAFETY INFORMATION

- **Placement:** Ensure speakers are mounted securely to prevent accidental falls. Avoid placing speakers where they could be a tripping hazard or obstruct pathways.
- **Power Handling:** Do not exceed the speaker's maximum power handling of 175 watts. Overpowering can cause damage to the speakers and connected amplifier.
- **Wiring:** Always use appropriate gauge speaker wire. Ensure all connections are secure and free from short circuits. Disconnect power to the amplifier before making or changing connections.
- **Environmental Conditions:** While weather-resistant, avoid submerging speakers in water. Do not expose to extreme temperatures beyond their operational range.
- **Cleaning:** Use only a soft, damp cloth for cleaning. Avoid harsh chemicals or abrasive cleaners.

3. PACKAGE CONTENTS

Verify that your package contains the following items:

- Proficient AW830 8-inch Indoor/Outdoor Speakers (Pair)
- Swivel Mounting Brackets
- Mounting Hardware (screws, washers)

4. SETUP

4.1 Mounting the Speakers

The AW830 speakers come with a swivel bracket for flexible installation. The bracket allows for both horizontal and vertical mounting, and the speaker can be angled to direct sound as needed.

1. **Choose Location:** Select a suitable mounting location that can support the weight of the speakers (approximately 17.5 lbs per speaker). For outdoor use, ensure the location provides adequate coverage and is within reach of speaker wiring.
2. **Attach Bracket:** Secure the swivel mounting bracket to the chosen surface using the provided hardware. Ensure the bracket is firmly attached to a stud or other solid structure.
3. **Attach Speaker:** Align the speaker with the bracket and secure it using the appropriate screws. Adjust the angle of the speaker as desired and tighten the bracket's locking mechanism to hold it in place.





Figure 1: Proficient AW830 speaker showing its dimensions (Height: 15.75", Width: 8.75", Depth: 8.67"). This image illustrates the physical size of the speaker for mounting considerations.

4.2 Wiring the Speakers

The AW830 speakers are passive and require connection to an external amplifier or receiver. They have an impedance of 4 Ohms.

1. **Prepare Wires:** Strip approximately 1/2 inch (12mm) of insulation from the ends of your speaker wires. Twist the bare strands tightly.
2. **Connect to Speaker:** Connect the positive (+) terminal of the speaker to the positive (+) terminal of the amplifier's speaker output. Connect the negative (-) terminal of the speaker to the negative (-) terminal of the amplifier's speaker output. Ensure polarity is consistent for both speakers (e.g., red to red, black to black).
3. **Secure Connections:** Ensure all wire connections are tight and that no stray wire strands are touching each other or the speaker/amplifier chassis, which could cause a short circuit.

5. OPERATING

Once the speakers are securely mounted and wired to your amplifier, operating them is straightforward:

1. **Power On:** Turn on your amplifier or receiver.
2. **Select Source:** Select the desired audio source on your amplifier (e.g., CD player, streaming device, radio).
3. **Adjust Volume:** Gradually increase the volume on your amplifier to a comfortable listening level. Avoid setting the volume too high, which can cause distortion and potentially damage the speakers or your hearing.

6. MAINTENANCE

- **Cleaning:** Regularly wipe the speaker cabinets and grilles with a soft, slightly damp cloth to remove dust and dirt. Do not use abrasive cleaners, solvents, or harsh chemicals, as these can damage the finish or weather-resistant properties.
- **Grille Care:** The powder-coated aluminum grille is rustproof. If debris accumulates, gently brush it off.
- **Weather Exposure:** While designed for outdoor use, occasional inspection for any signs of wear or damage from prolonged exposure to harsh weather conditions is recommended. Ensure mounting hardware remains secure.
- **Wiring Inspection:** Periodically check speaker wire connections for corrosion or loosening, especially in outdoor installations.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
No sound from speakers	• Amplifier not powered on or source not selected. • Loose or incorrect speaker wire connections. • Amplifier protection mode activated.	• Ensure amplifier is on and correct input source is selected. • Check all speaker wire connections at both the speaker and amplifier. Ensure correct polarity. • Turn off amplifier, wait a few minutes, then restart. Consult amplifier manual if issue persists.
Distorted or unclear sound	• Volume too high, causing clipping. • Loose speaker wire connections. • Damaged speaker or amplifier.	• Reduce amplifier volume. • Check speaker wire connections for tightness and correct polarity. • If distortion persists at low volumes, disconnect speakers and test with another audio source or amplifier if possible.
Poor bass response	• Incorrect speaker placement. • Speakers wired out of phase.	• Experiment with speaker placement to optimize bass. • Verify that positive (+) terminals are connected to positive (+) and negative (-) to negative (-) for both speakers.

8. SPECIFICATIONS

Feature	Detail
Model	AW830
Speaker Type	2-way Indoor/Outdoor Passive Speaker
Woofer	8-inch Polypropylene
Midrange	3-inch Graphite
Tweeter	1-inch Pivoting Soft Dome
Power Handling	175 Watts (Maximum)

Feature	Detail
Impedance	4 Ohms
Frequency Response	35Hz - 20kHz
Housing Material	Weather-resistant ABS
Grille Material	Powder-coated Aluminum (Rustproof)
Mounting	Swivel Bracket (Horizontal/Vertical)
Dimensions (H x W x D)	15.75" x 8.75" x 8.67"
Weight (per speaker)	Approx. 17.5 lbs (35 lbs for the pair)
Water Resistance	Yes (Water Resistant)

9. WARRANTY INFORMATION

The Proficient AW830 speakers come with a Limited Warranty. For specific details regarding the warranty period, coverage, and terms, please refer to the warranty card included with your product or visit the official Proficient website. Keep your purchase receipt as proof of purchase for any warranty claims.

10. SUPPORT

If you encounter any issues or have questions regarding your Proficient AW830 speakers that are not covered in this manual, please contact Proficient customer support. You can typically find contact information on the manufacturer's website or through your authorized dealer.

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Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question