Atrend E12ST

Atrend Bbox E12ST 12-Inch Single Sealed Wedge Subwoofer Enclosure User Manual

Model: E12ST

Introduction

This manual provides essential information for the proper installation, operation, and maintenance of your Atrend Bbox E12ST 12-inch Single Sealed Wedge Subwoofer Enclosure. This enclosure is designed to optimize bass response and low-frequency reproduction for 12-inch subwoofers, particularly in space-constrained applications such as behind or under seats in trucks and SUVs.
The Bbox E12ST is constructed from high-grade 1-inch thick MDF, utilizing aliphatic wood glue and brad nails for an airtight seal and enhanced durability. Its wedge shape allows for versatile placement, and the charcoal carpeting provides a finished appearance.

Setup and Installation

Proper installation is crucial for optimal performance and longevity of your subwoofer enclosure. Please follow these guidelines carefully.

1. Unpacking and Inspection

Carefully remove the enclosure from its packaging. Inspect the unit for any signs of damage that may have occurred during shipping. Report any damage to your retailer immediately.

2. Enclosure Dimensions and Subwoofer Compatibility

Before installation, verify that your 12-inch subwoofer is compatible with the enclosure's specifications:

- **Subwoofer Cut-out Diameter:** 11.125 inches
- **Maximum Mounting Depth:** 5.25 inches
- **Enclosure Height:** 15.25 inches
- **Enclosure Width:** 19.625 inches

- **Enclosure Depth (Bottom):** 8.25 inches
- **Enclosure Depth (Top):** 5 inches

Ensure your subwoofer's magnet structure and overall depth do not exceed the maximum mounting depth to prevent interference with the enclosure's internal structure.



Image: Atrend Bbox E12ST Subwoofer Enclosure with detailed dimensions, including cut-out diameter, mounting depth, height, width, and top/bottom depths.

3. Subwoofer Mounting

1. Carefully place your 12-inch subwoofer into the pre-cut opening on the enclosure.
2. Align the mounting holes of the subwoofer with the pilot holes on the enclosure.
3. Secure the subwoofer using appropriate screws, ensuring a snug fit without overtightening, which could damage the subwoofer frame or enclosure.

4. Wiring Connections

The enclosure features red and black spring terminals for speaker wire connection. These terminals provide a quick-release connection without requiring screws.

1. Press down on the terminal lever to open the connection point.
2. Insert the stripped end of your speaker wire into the corresponding terminal (red for positive, black for negative).
3. Release the lever to secure the wire. Ensure a firm connection to prevent signal loss or intermittent sound.
4. Connect the other end of the speaker wire to your amplifier according to the amplifier's instructions.

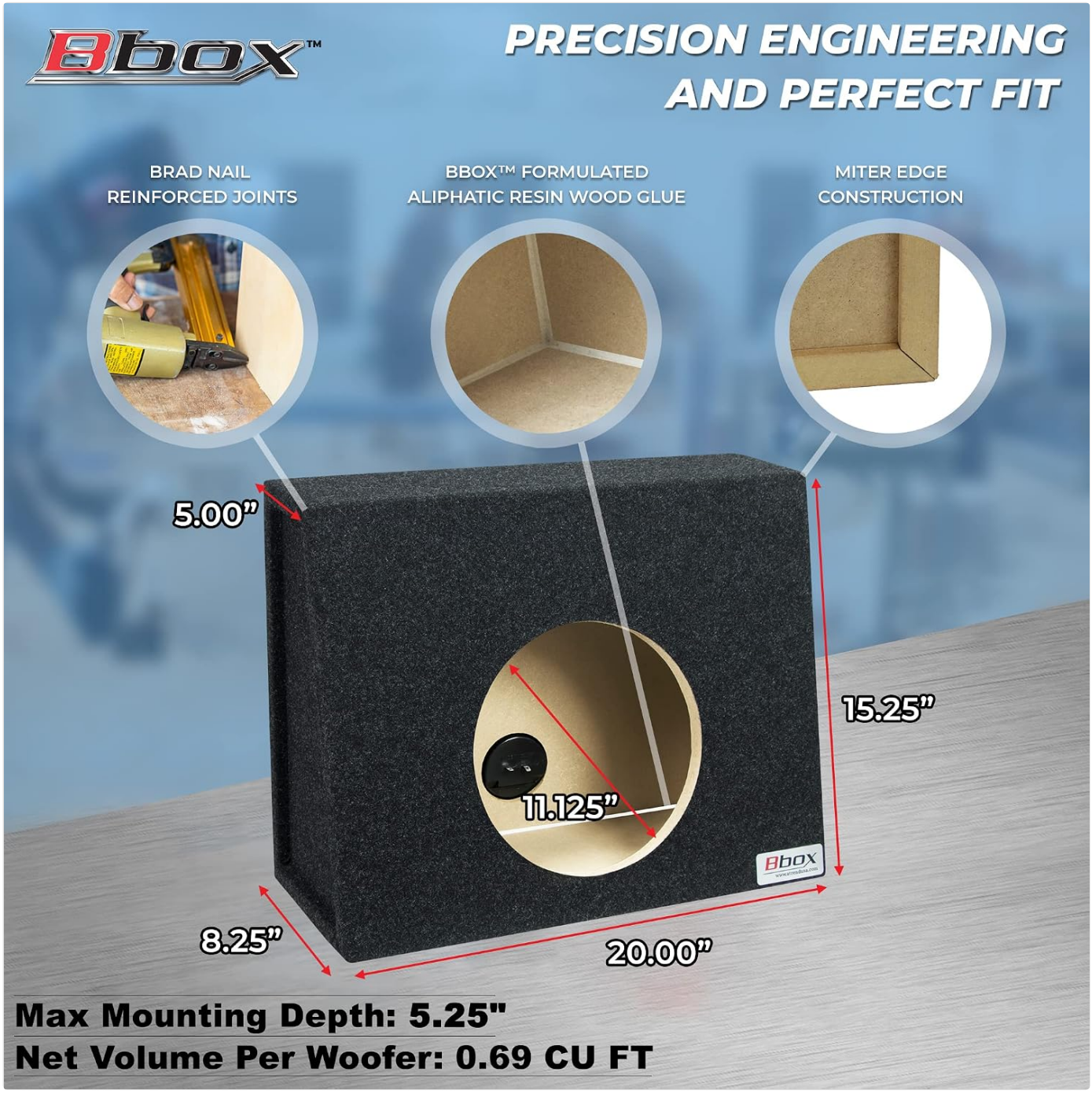


Image: Atrend Bbox E12ST Subwoofer Enclosure highlighting its construction from high-grade MDF, reinforced joints, and the red and black spring terminals for wiring.

5. Placement in Vehicle

The wedge design of the E12ST is ideal for tight spaces. Common placements include:

- Behind the rear seat of pickup trucks.
- Under the rear seat of SUVs or trucks.

Ensure the enclosure is securely positioned to prevent movement during vehicle operation. Consider using straps or brackets if necessary. Avoid placing the enclosure where it obstructs safety equipment or driver visibility.



Image: A white pickup truck with the Atrend Bbox 12-inch single sealed wedge subwoofer enclosure installed, demonstrating its fit in a vehicle environment.

Operating Instructions

The Atrend Bbox E12ST is a passive subwoofer enclosure, meaning its operation is primarily controlled by the connected amplifier and head unit. Once installed and wired correctly, the enclosure works in conjunction with your subwoofer to produce enhanced bass.

- **Sound Quality:** The sealed design of this enclosure is optimized for tight, accurate bass response, making it suitable for various music genres.
- **Amplifier Settings:** Adjust your amplifier's gain, crossover, and bass boost settings according to your subwoofer's specifications and personal preference. Start with lower settings and gradually increase them to avoid damage to your subwoofer or amplifier.
- **Break-in Period:** Allow a break-in period for your new subwoofer, typically several hours of moderate listening, before operating at high volumes. This allows the subwoofer's suspension to loosen and perform optimally.

Maintenance

Regular maintenance helps preserve the appearance and performance of your subwoofer enclosure.

- **Cleaning:** The charcoal carpeted exterior can be cleaned with a soft brush or vacuum cleaner to remove dust and debris. For stubborn spots, a damp cloth with mild soap can be used, but avoid saturating the carpet.
- **Connection Check:** Periodically check the speaker wire connections at the enclosure's terminals and at the amplifier to ensure they remain secure. Loose connections can lead to poor sound quality or intermittent operation.
- **Structural Integrity:** While the enclosure is built with durable MDF and strong adhesives, avoid exposing it to

excessive moisture or extreme temperatures, which could compromise its structural integrity.

Troubleshooting

If you encounter issues with your subwoofer system, consider the following common troubleshooting steps:

Problem	Possible Cause	Solution
No sound from subwoofer	Loose wiring connection; Amplifier off or in protect mode; Subwoofer damaged	Check all speaker wire connections; Verify amplifier power and settings; Test subwoofer with another enclosure/amplifier if possible.
Distorted or weak bass	Incorrect amplifier settings; Subwoofer polarity reversed; Subwoofer not properly mounted	Adjust amplifier gain, crossover, and bass boost; Verify correct speaker wire polarity (red to red, black to black); Ensure subwoofer is securely mounted.
Rattling or buzzing noise	Loose subwoofer mounting screws; Objects inside the enclosure; Enclosure not securely placed in vehicle	Tighten subwoofer mounting screws; Remove any foreign objects from inside the enclosure; Securely fasten the enclosure in your vehicle.
Unpleasant odor (new unit)	New carpet adhesive smell	This is normal for new carpeted products and should dissipate within a few days with good ventilation.

For issues related to your amplifier or subwoofer, refer to their respective instruction manuals.

Specifications

- **Model:** E12ST
- **Enclosure Type:** Single Sealed, Wedge Shaped
- **Subwoofer Compatibility:** 12-inch
- **Subwoofer Cut-out Diameter:** 11.125 inches
- **Maximum Mounting Depth:** 5.25 inches
- **Dimensions (H x W x D1/D2):** 15.25" x 19.625" x 8.25" (bottom) / 5" (top)
- **Enclosure Material:** 1-inch High-Grade Medium Density Fiberboard (MDF)
- **Construction:** Aliphatic Wood Glue, Brad Nail Reinforced Joints, CNC Miter, Dado Design
- **Exterior Finish:** Plush OEM Grade Charcoal Carpeting
- **Terminals:** High-Quality Red & Black Spring Terminals
- **Weight:** Approximately 15 pounds



Image: Front view of the Atrend Bbox E12ST 12-inch Single Sealed Wedge Subwoofer Enclosure, showcasing its charcoal carpet finish and the 12-inch subwoofer opening.

Warranty Information

The Atrend Bbox E12ST Subwoofer Enclosure comes with a**1 Year Limited Warranty** from the date of purchase. This warranty covers defects in materials and workmanship under normal use. It does not cover damage resulting from improper installation, accident, misuse, abuse, neglect, unauthorized modification, or normal wear and tear.
Please retain your proof of purchase for warranty claims. For specific warranty terms and conditions, or to initiate a warranty claim, please contact Atrend customer support.

Support

For technical assistance, troubleshooting beyond this manual, or warranty inquiries, please contact Atrend customer support through their official website or the retailer where the product was purchased. Have your model number (E12ST) and proof of purchase ready when contacting support.

Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

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After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. Privacy details.

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