

## 6.5-inch Single 32-Hz Ported Sub Box

# User Manual: Generic 6.5-inch Single Ported Subwoofer Enclosure

Model: 6.5-inch Single 32-Hz Ported Sub Box

### 1. INTRODUCTION

This manual provides essential information for the proper installation, operation, and maintenance of your Generic 6.5-inch Single Ported Subwoofer Enclosure. Please read these instructions carefully before use to ensure optimal performance and longevity of your product.

### 2. PRODUCT OVERVIEW

The Generic 6.5-inch Single Ported Subwoofer Enclosure is designed to house a single 6.5-inch subwoofer, providing enhanced bass response for car audio systems. Its ported design is tuned for specific low-frequency performance.

#### Construction Details

The enclosure is constructed from durable 3/4-inch MDF (Medium-Density Fiberboard) wood. Components are secured using 2-inch staples and high-quality wood glue. All internal seams are sealed with high-quality silicone to ensure an airtight environment, which is critical for consistent and accurate bass reproduction.

### 3. SPECIFICATIONS

Below are the detailed specifications for the 6.5-inch Single Ported Subwoofer Enclosure:

#### General Specifications

- Cutout Diameter:** 5 3/4 inches
- Total Air Volume:** 0.32 cubic feet (FT<sup>3</sup>)
- Tuning Frequency:** 32 Hz
- Weight:** 18 lbs.
- Mounting Depth:** 6 inches

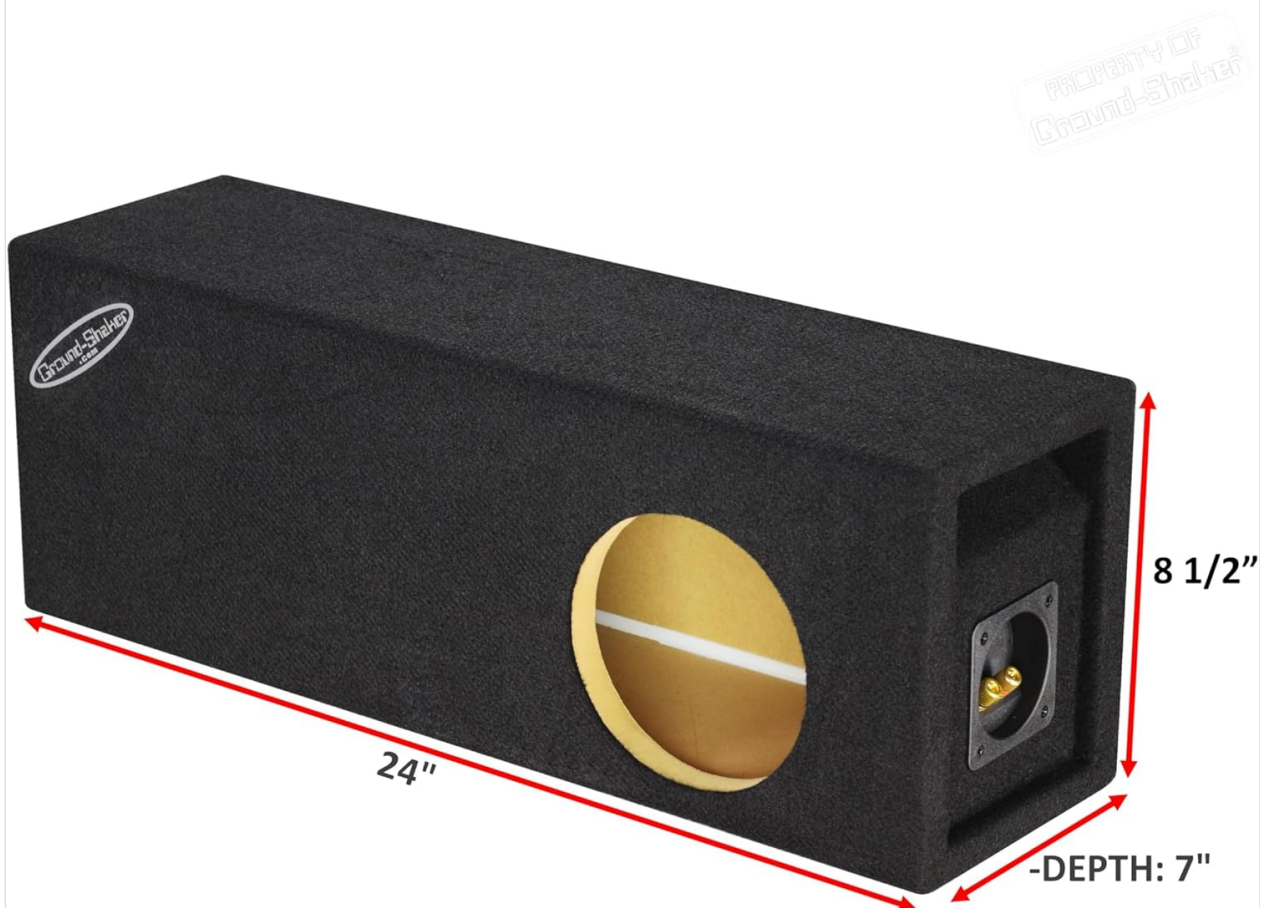
### Physical Dimensions

- **Height:** 8 1/2 inches
- **Length:** 24 inches
- **Depth:** 7 inches

### Port Specifications

- **Port Type:** 1 Slot Port
- **Port Height:** 5 1/2 inches
- **Port Width:** 0.75 inches
- **Port Length:** 32 1/4 inches

## DIMENSIONS



This diagram illustrates the key specifications of the subwoofer enclosure. It features a single slot port with dimensions of 5 1/2 inches height, 0.75 inches width, and 32 1/4 inches length. The total air volume is 0.32 cubic feet, tuned to 32 Hz. The enclosure includes one spring-loaded terminal cup for speaker wire connection and weighs 18 lbs.



-GLUED WITH TITEBOND  
WOOD GLUE



- 2" staples



-SEALED WITH TITEBOND  
SILICONE



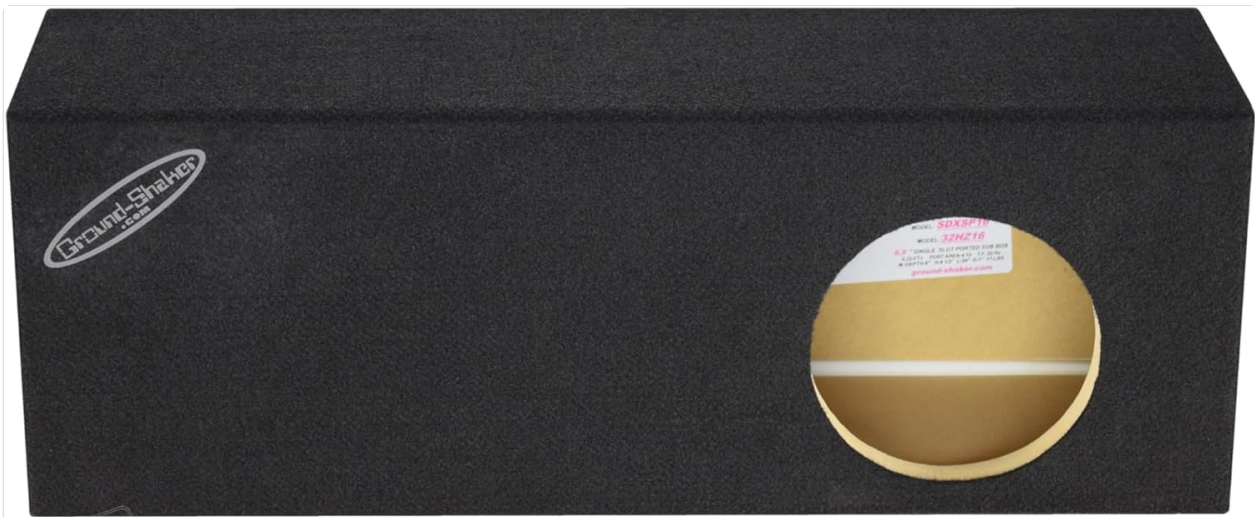
-3/4" MDF WOOD

# CONSTRUCTION



6.5"

This image provides the external dimensions of the subwoofer enclosure. The height is 8 1/2 inches, the length is 24 inches, and the depth is 7 inches. These measurements are crucial for determining fit in your vehicle.



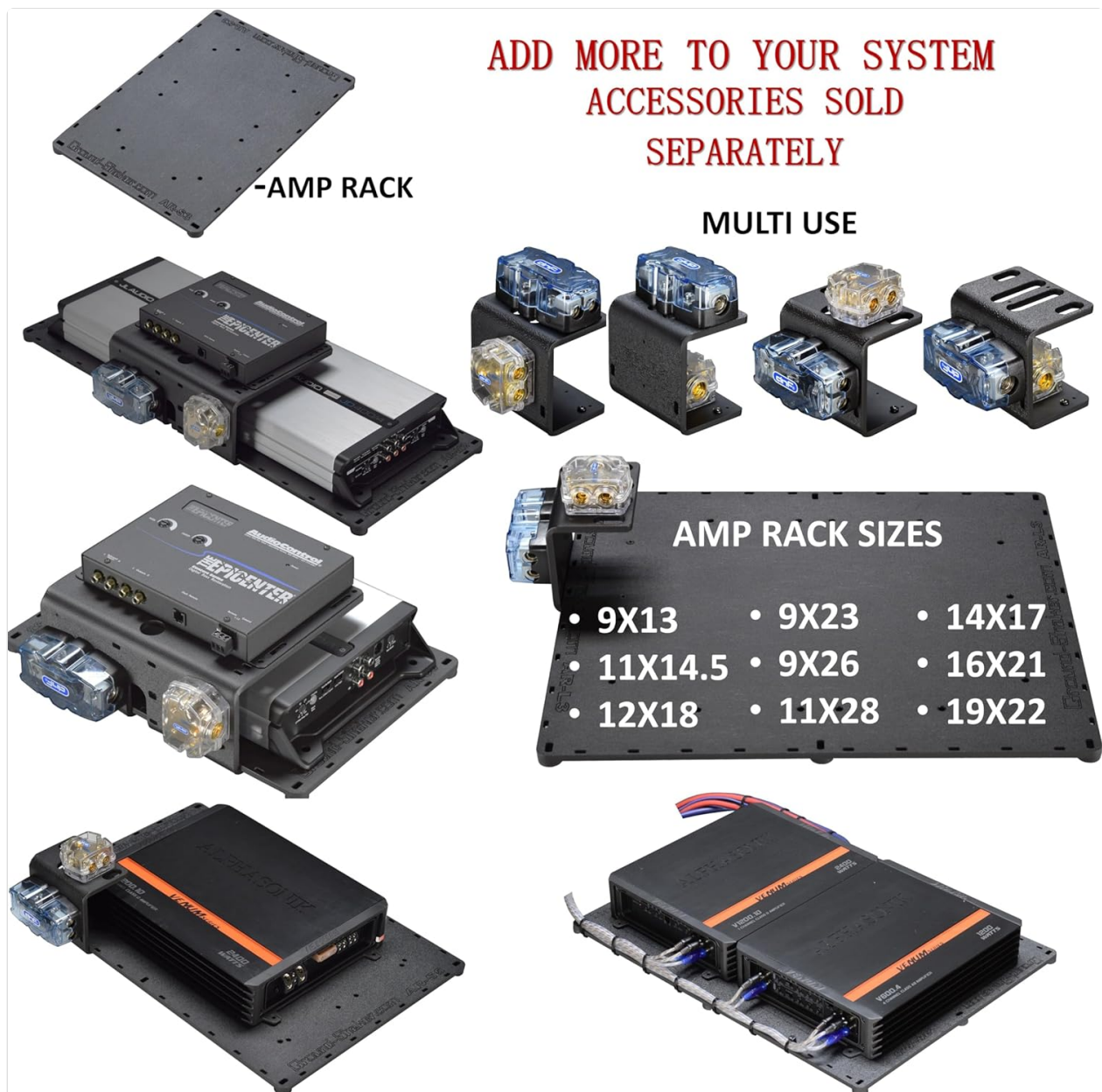
PROPERTY OF  
Ground-Shaker

**AVAILABLE IN:**

**6.5" 10" 12"**

**-CUTOUT DIAMETER: 5 3/4"  
(Custom cutout diameter available)**

This diagram highlights the construction details of the enclosure. It is built from 3/4-inch MDF wood, secured with 2-inch staples, and assembled using high-quality wood glue. The interior seams are sealed with high-quality silicone for optimal air-tightness and sound performance.



This image indicates that the enclosure is designed for a 6.5-inch subwoofer, featuring a cutout diameter of 5 3/4 inches. Always verify your subwoofer's dimensions against these specifications to ensure proper fit.

## 4. SETUP AND INSTALLATION

Proper installation is crucial for the performance and safety of your subwoofer system. If you are unsure about any steps, consult a professional car audio installer.

### 4.1 Subwoofer Compatibility Check

Before installing your subwoofer, it is essential to verify its physical dimensions against the enclosure's specifications. Pay close attention to the cutout diameter and mounting depth. **Not all subwoofers will fit due to variations in cutout diameter and mounting depth.**

- **Cutout Diameter:** Ensure your subwoofer's cutout diameter matches or is slightly smaller than 5 3/4 inches.
- **Mounting Depth:** Confirm your subwoofer's mounting depth does not exceed 6 inches.

### 4.2 Subwoofer Installation into Enclosure

1. Carefully place the subwoofer into the cutout opening of the enclosure.
2. Align the mounting holes of the subwoofer with the pre-drilled holes on the enclosure.



3. Secure the subwoofer using appropriate screws (not included) to ensure a tight, vibration-free fit. Do not overtighten.

## 4.3 Wiring Connections

The enclosure is equipped with terminal cups for connecting your subwoofer to an amplifier. The product includes terminal cups.

1. Connect the positive (+) terminal of your subwoofer to the positive (+) terminal on the enclosure's terminal cup.
2. Connect the negative (-) terminal of your subwoofer to the negative (-) terminal on the enclosure's terminal cup.
3. Ensure all connections are secure and free from loose strands that could cause short circuits.
4. Connect the enclosure's terminal cup to your amplifier using appropriate gauge speaker wire (not included). Observe correct polarity (+ to + and - to -) between the enclosure and the amplifier.

## 4.4 Placement in Vehicle

Choose a secure location in your vehicle for the subwoofer enclosure. Ensure it is placed in a way that prevents it from shifting during driving, which could cause damage to the enclosure, subwoofer, or vehicle occupants. Consider using straps or brackets for added security.

## 5. OPERATION

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Once installed, operate your subwoofer system responsibly. Avoid excessive volume levels that could lead to distortion or damage to the subwoofer and your hearing. Refer to your amplifier's user manual for specific settings and adjustments.

## 6. MAINTENANCE

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The subwoofer enclosure requires minimal maintenance to ensure its longevity.

- **Cleaning:** Wipe the exterior of the enclosure with a soft, dry cloth to remove dust. Avoid using harsh chemicals or abrasive cleaners.
- **Inspection:** Periodically check all connections for tightness and ensure the subwoofer is securely mounted within the enclosure.
- **Environmental Protection:** Protect the enclosure from extreme temperatures, direct sunlight, and moisture, which can degrade the materials over time.

## 7. TROUBLESHOOTING

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

- **No Sound:** Check all wiring connections from the amplifier to the enclosure and from the enclosure to the subwoofer. Ensure the amplifier is powered on and receiving a signal.
- **Distorted Sound:** Reduce the volume level. Check amplifier gain settings and ensure they are not set too high. Verify that the subwoofer is not damaged.
- **Rattling/Vibrations:** Ensure the subwoofer is securely mounted in the enclosure. Check for any loose objects inside or around the enclosure.

If problems persist after performing these checks, consult a professional car audio technician.

## 8. WARRANTY AND SUPPORT

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For information regarding warranty coverage or technical support, please refer to the documentation provided at the time of purchase or contact the seller directly. Keep your proof of purchase for warranty claims.