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Earthquake Sound SLAPS-M8v2

EARTHQUAKE Sound SLAPS-M8v2 8-Inch Mass Tuned Passive Bass Radiator Instruction Manual

Brand: **Earthquake Sound** | Model: **SLAPS-M8v2**

INTRODUCTION

The Earthquake Sound SLAPS-M8v2 is an 8-inch mass-tuned passive bass radiator designed to enhance the low-frequency performance of subwoofer systems. This device significantly increases subwoofer efficiency and capability for ultra-low frequency reproduction without requiring additional amplifier power or increasing enclosure volume. Its user-tunable design allows for integration into various subwoofer and enclosure combinations, providing up to +6dB of bass compared to traditional sealed and ported enclosures.

Key Features

- **Patented Passive Bass Radiator Design:** Allows for precise tuning of even small enclosures to achieve ultra-low frequencies.
- **Enhanced Output and Efficiency:** When paired with a quality active driver, the SLAPS-M8v2 boosts subwoofer output and efficiency without needing more amplifier power or a larger enclosure.
- **Deep, Dynamic Bass:** Features a compression-free excursion design that eliminates common port noise distortion, delivering a deep and powerful bass response.
- **User-Tunable:** Designed for optimal performance across various subwoofer and enclosure setups, including 160g of mass for initial tuning.
- **Compact Design:** Achieves up to +6dB of bass from a compact volume with a slim mounting depth of less than 3 inches.

SETUP

Installation Guidelines

Proper installation is crucial for optimal performance of your SLAPS-M8v2 passive radiator. This device is designed to work in conjunction with an active subwoofer driver within a sealed enclosure.

Enclosure Requirements

- The SLAPS-M8v2 requires a sealed enclosure. Consult your active subwoofer's specifications for recommended enclosure volumes.
- Ensure the enclosure is robust and free from air leaks to prevent performance degradation.

Mounting

The SLAPS-M8v2 is designed for flush mounting. Ensure adequate clearance for the radiator's excursion within the enclosure.



Figure 1: Top view of the SLAPS-M8v2 passive radiator, showing the central bolt for mass adjustment.



Figure 2: Bottom view of the SLAPS-M8v2, illustrating the robust frame structure.



ENCLOSURE NOT INCLUDED

Figure 3: An example of the SLAPS-M8v2 installed in a compact subwoofer enclosure (enclosure not included).

Tuning

The SLAPS-M8v2 is user-tunable to achieve optimal low-frequency response for your specific setup. It comes with 160g of mass for initial tuning. Additional mass can be added or removed to adjust the resonant frequency of the passive radiator. Refer to specialized audio tuning guides or consult an audio professional for precise tuning instructions tailored to your active driver and enclosure volume.



Figure 4: Exploded view of the SLAPS-M8v2, highlighting the mass adjustment mechanism.

OPERATING

Operation Principles

As a passive device, the SLAPS-M8v2 operates by reacting to the air pressure changes within the sealed enclosure generated by the active subwoofer driver. It is pneumatically coupled to the active driver, allowing for extended low-frequency response without requiring its own power source or voice coil. The movement of the passive radiator enhances the bass output, making the system more efficient.

No direct user operation is required beyond initial tuning and proper installation.

MAINTENANCE

Care and Maintenance

- **Cleaning:** Use a soft, dry cloth to clean the surface of the passive radiator. Avoid using harsh chemicals or abrasive cleaners.
- **Inspection:** Periodically inspect the surround and cone for any signs of damage or wear. Ensure all mounting screws are secure.
- **Environment:** Avoid exposing the passive radiator to extreme temperatures, direct sunlight, or excessive moisture.

TROUBLESHOOTING

Troubleshooting Guide

If you experience issues with your SLAPS-M8v2, consider the following:

- **Lack of Bass Output:**

- Verify that the active subwoofer is functioning correctly.
- Check the enclosure for any air leaks.
- Ensure the passive radiator is properly tuned. Incorrect tuning mass can lead to suboptimal performance.

- **Distorted Bass:**

- Ensure the active subwoofer is not overdriven.
- Check for any physical obstructions preventing the passive radiator from moving freely.
- Verify that the mounting is secure and there are no loose parts causing rattling.

- **Unusual Noises:**

- Inspect the passive radiator and enclosure for loose components or air leaks.
- Ensure the passive radiator is not bottoming out or exceeding its excursion limits. This may indicate an issue with tuning or excessive power to the active driver.

For persistent issues, consult a professional audio technician.

TECHNICAL SPECIFICATIONS

Feature	Detail
Model Name	SLAPS-M8v2
Speaker Type	Passive Bass Radiator
Special Feature	Bass Boost
Recommended Uses	For Surround Sound Systems
Subwoofer Diameter	8 Inches
Unit Count	1 Count
Included Components	(1) SLAPS-M8v2 Passive Radiator, (1) product insert
Product Dimensions (D x W x H)	6.2D x 22.9W x 22.9H Centimetres
Item Weight	1.46 Pounds
Material Type	Plastic Metal
Mounting Type	Flush Mount
Manufacturer	Earthquake Sound

SLAPS-M8v2 Passive Radiator Mounting Dimensions With Gasket

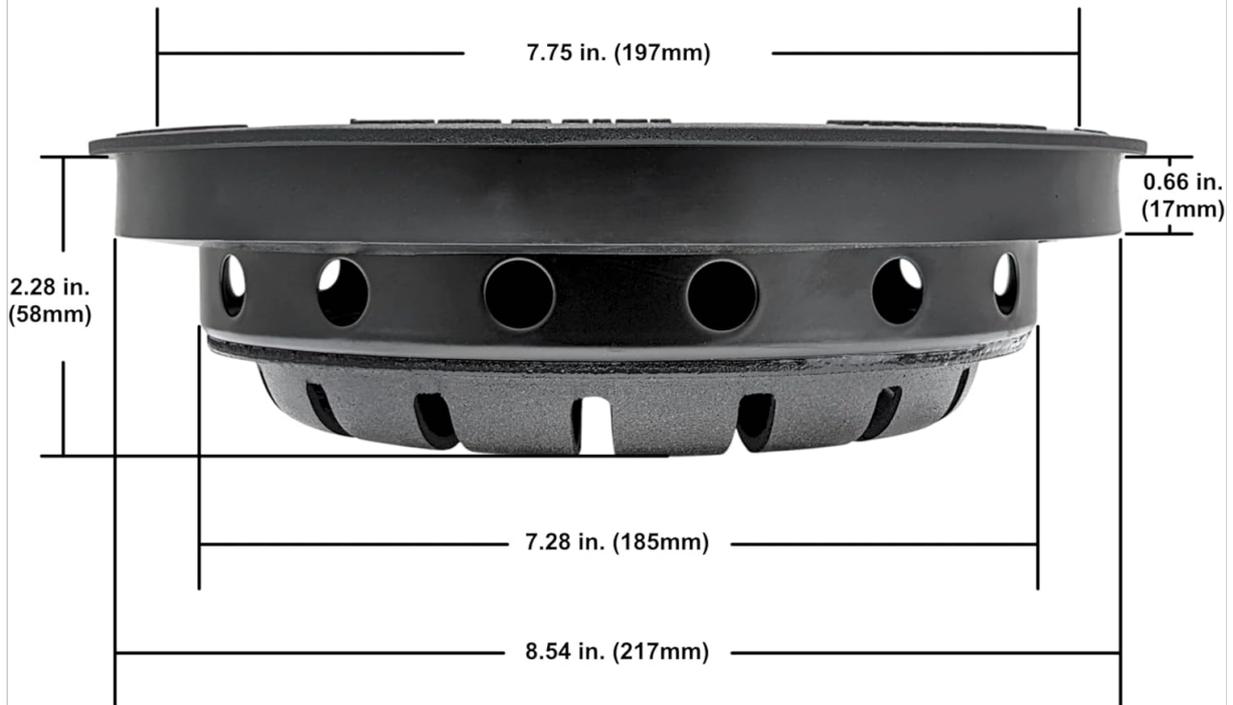


Figure 5: Mounting dimensions of the SLAPS-M8v2 with gasket (7.75 in. / 197mm outer diameter, 2.28 in. / 58mm depth).

SLAPS-M8v2 Passive Radiator Mounting Dimensions Without Gasket

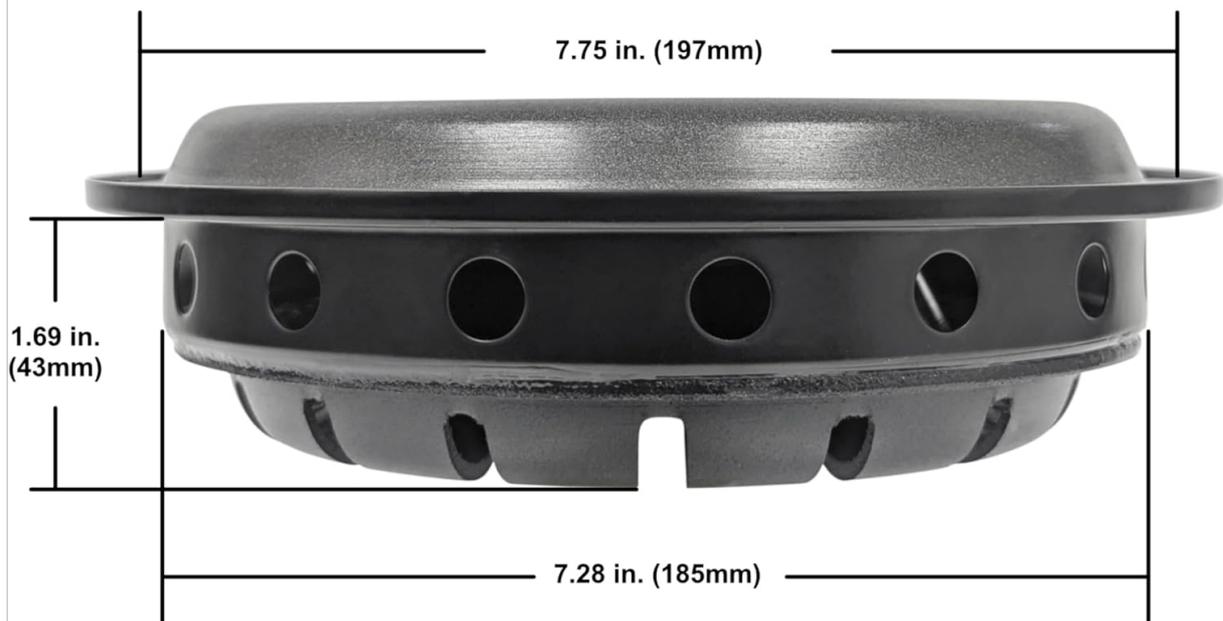


Figure 6: Mounting dimensions of the SLAPS-M8v2 without gasket (7.75 in. / 197mm outer diameter, 1.69 in. / 43mm depth).

SLAPS-M8v2 With Gasket



SLAPS-M8v2 Without Gasket

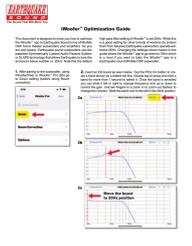


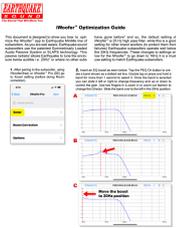
Figure 7: Side view comparison of the SLAPS-M8v2 with gasket (top) and without gasket (bottom).

WARRANTY AND CUSTOMER SUPPORT

For warranty information and customer support, please refer to the product insert included with your SLAPS-M8v2 passive radiator or visit the official Earthquake Sound website. Keep your proof of purchase for warranty claims.

Related Documents - SLAPS-M8v2

	<p>Earthquake Sound SLAPS-M8v2 Passive Radiator: Tuning Manual & Technical Specifications</p> <p>Detailed tuning manual and technical specifications for the Earthquake Sound SLAPS-M8v2 Mass Tuned SLAPS Passive Radiator, including parameters, dimensions, and internal net volume tuning graphs.</p>
	<p>Earthquake Sound iWoofertm Optimization Guide for MiniMe DSP Subwoofers</p> <p>Optimize your Earthquake Sound MiniMe DSP subwoofer with the iWoofertm app. This guide provides step-by-step instructions for adjusting crossover settings, EQ, room correction, and limiter controls for enhanced audio performance.</p>



[Earthquake iWoofertm Optimization Guide for MiniMe Subwoofers](#)

Learn how to optimize your Earthquake MiniMe subwoofer using the iWoofertm app. This guide covers crossover settings, EQ boost, limiter compression, and filter configuration for enhanced audio performance.



[Earthquake Sound MiniMe DSP 8 Subwoofer User Manual](#)

Comprehensive user manual for the Earthquake Sound MiniMe DSP 8 subwoofer, detailing its features, setup, specifications, safety guidelines, and warranty information. Learn about its advanced DSP capabilities and iWoofertm app integration for enhanced audio performance.



[Earthquake Sound SM6BT 6.5" 2-Way Bi-Amplified Professional Studio Monitor User Manual](#)

User manual for the Earthquake Sound SM6BT, a 6.5-inch 2-way bi-amplified professional studio monitor with Bluetooth connectivity. Includes safety instructions, setup, features, troubleshooting, and warranty information.



[Earthquake Sound OH6 One-Hander 6.5" In-Ceiling Speaker User Manual](#)

Comprehensive user manual for the Earthquake Sound OH6 One-Hander 6.5-inch in-ceiling speaker system. Includes installation, placement, specifications, and warranty information.