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› Memphis Audio M7E12S1 Single 12-inch Loaded Subwoofer Enclosure User Manual

Memphis M7E12S1

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Brand: Memphis Audio | Model: M7E12S1

INTRODUCTION

This manual provides essential information for the proper installation, operation, and maintenance of your Memphis Audio M7E12S1 Single 12-inch Loaded Subwoofer Enclosure. Please read this manual thoroughly before attempting installation or use to ensure optimal performance and safety.



Image: The Memphis Audio M7E12S1 Single 12-inch Loaded Subwoofer Enclosure, showcasing its design and terminal cup.

SAFETY INFORMATION

Always observe the following safety precautions:

- Disconnect the vehicle's battery before any electrical installation.
- Ensure all wiring is properly insulated and secured to prevent short circuits and damage.
- Mount the enclosure securely to prevent movement during vehicle operation.
- Avoid exposing the subwoofer to excessive moisture or extreme temperatures.
- Do not operate the subwoofer at distortion levels, as this can cause permanent damage.

PACKAGE CONTENTS

Verify that all items are present in the package:

- Memphis Audio Single 12 inch M7 Loaded Subwoofer Enclosure (Model: M7E12S1)

SETUP

Follow these steps for proper installation of your subwoofer enclosure:

1. **Placement:** Choose a secure location in your vehicle (e.g., trunk, cargo area) where the enclosure will not obstruct vision or movement, and can be firmly mounted.
2. **Wiring:** Connect the speaker wires from your amplifier to the terminal cup on the subwoofer enclosure. Ensure correct polarity (+ to + and - to -) to avoid phase issues. The enclosure has an impedance of 1 Ohm. Refer to your amplifier's manual for compatible impedance loads and wiring configurations.
3. **Secure Mounting:** Use appropriate straps or brackets (not included) to secure the enclosure to the vehicle's structure. This prevents the enclosure from shifting during driving, which could cause damage or injury.



Image: Rear view of the Memphis Audio M7E12S1 Subwoofer Enclosure, showing the terminal cup for amplifier connections.

OPERATING

Once installed, operate your subwoofer system as follows:

- **Initial Power-Up:** After installation, turn on your vehicle's audio system at a low volume. Gradually increase the volume and bass levels to ensure proper function and sound quality.
- **Break-in Period:** Allow a break-in period of approximately 10-20 hours of normal listening before operating the subwoofer at maximum output. This allows the suspension components to loosen and perform optimally.
- **Gain Settings:** Adjust the gain setting on your amplifier carefully. Too high a gain can lead to distortion and damage to the subwoofer. It is recommended to set the gain using a multimeter or oscilloscope for precise adjustment.
- **Crossover Settings:** Utilize your amplifier's or head unit's low-pass filter (LPF) to send only low-frequency signals to the subwoofer. A typical LPF setting for a 12-inch subwoofer is between 80Hz and 120Hz.

MAINTENANCE

Proper maintenance ensures the longevity and performance of your subwoofer enclosure:

- **Cleaning:** Use a soft, dry cloth to clean the enclosure and subwoofer cone. Avoid using harsh chemicals or abrasive cleaners.
- **Inspection:** Periodically check all wiring connections for tightness and corrosion. Inspect the subwoofer surround and cone for any signs of damage.
- **Environmental Factors:** Protect the enclosure from direct sunlight and extreme temperatures, which can degrade materials over time.

TROUBLESHOOTING

If you encounter issues, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
No sound from subwoofer	No power to amplifier, incorrect wiring, amplifier in protect mode, low input signal.	Check power connections, verify wiring polarity, check amplifier fuses, ensure head unit is on and sending signal.
Distorted sound	Amplifier gain too high, incorrect crossover settings, damaged subwoofer.	Reduce amplifier gain, adjust LPF settings, inspect subwoofer for physical damage.
Subwoofer cuts out	Overheating amplifier, loose connections, impedance mismatch.	Ensure proper ventilation for amplifier, tighten all connections, verify amplifier is stable at 1 Ohm.

SPECIFICATIONS

Detailed technical specifications for the Memphis Audio M7E12S1 Loaded Subwoofer Enclosure:

- **Woofer Size:** 12 inches
- **RMS Power Output:** 750 Watts
- **Peak Power Output:** 1500 Watts
- **Speaker Type:** Enclosure
- **Dimensions (WHD):** 26.77" x 15.16" x 17.8" (Note: Item Dimensions D x W x H from specifications is 16.14"D x 38.19"W x 17.8"H, please verify with product for exact measurements)
- **Sensitivity (dB):** 85.3dB

- **Impedance:** 1 Ohm
- **Enclosure Material:** Aluminum (Note: This refers to the subwoofer frame, the enclosure itself is typically MDF/wood with carpet finish)
- **Connectivity Technology:** Wired
- **Power Source:** Corded Electric (via amplifier)
- **Item Weight:** 78 Pounds
- **Model Number:** M7E12S1-UOB
- **UPC:** 702588001126

WARRANTY

This Memphis Audio M7E12S1 Loaded Subwoofer Enclosure comes with a Limited Warranty. For specific terms, conditions, and duration of the warranty, please refer to the warranty card included with your product or visit the official Memphis Audio website. Keep your proof of purchase for warranty claims.

SUPPORT

For technical assistance, troubleshooting beyond this manual, or warranty inquiries, please contact Memphis Audio customer support. Contact information can typically be found on the official Memphis Audio website or on the product packaging.

Online Resources: Visit the official Memphis Audio website for additional product information, FAQs, and support resources.

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