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› Deaf Bonce Machete 12" Subwoofer User Manual

Deaf Bonce DB-MF-12R-D4

Deaf Bonce Machete 12" Subwoofer User Manual

Model: MF-12R D4 | Brand: Deaf Bonce

INTRODUCTION

This manual provides essential information for the proper installation, operation, and maintenance of your Deaf Bonce Machete 12" 2400W 4+4 Ohm Dual Voice Coil Subwoofer, model MF-12R D4. Please read this manual thoroughly before using the product to ensure optimal performance and longevity.



Figure 1: Front view of the Deaf Bonce Machete 12" Subwoofer. This image displays the subwoofer's cone and surround, highlighting its robust construction.

WHAT'S IN THE BOX

Upon opening the product packaging, verify that all components are present and undamaged.

- (1) Deaf Bonce 12" Subwoofer MF-12R-D4



Figure 2: The product packaging for the Deaf Bonce Machete 12" Subwoofer. The box features branding and model information.

SETUP AND INSTALLATION

Proper installation is crucial for the performance and safety of your subwoofer. It is recommended that installation be performed by a qualified professional.

Mounting Considerations

- **Mounting Depth:** 6.3 inches (161.8mm)
- **Cut-out Dimension:** 11.1 inches (282mm)
- Ensure adequate clearance behind the subwoofer for proper ventilation and excursion.
- Mount the subwoofer securely in a suitable enclosure or mounting location to prevent movement during operation.

Wiring and Connections

The MF-12R D4 features a dual voice coil design with 4+4 Ohm impedance. Proper wiring is essential to achieve the desired final impedance for your amplifier.



Figure 3: Rear view of the Deaf Bonce Machete 12" Subwoofer, showing the dual voice coil terminals. These terminals are used for connecting the subwoofer to an amplifier.

- Connect the subwoofer to a compatible amplifier using appropriate gauge speaker wire.
- For optimal performance and to prevent damage, ensure the amplifier's output impedance matches the subwoofer's wired impedance.
- Common wiring configurations for dual 4 Ohm voice coils include:
 - **Parallel Wiring:** Connect both voice coils in parallel for a 2 Ohm final impedance.
 - **Series Wiring:** Connect both voice coils in series for an 8 Ohm final impedance.
- Ensure all connections are secure and free from short circuits.

OPERATING INSTRUCTIONS

Once installed, the subwoofer is ready for operation. Always ensure your audio system is properly configured to prevent damage to the subwoofer or other components.

- **Power Handling:** The subwoofer has a MAX Power of 2400W and an RMS Power of 1200W. Do not exceed these ratings to prevent damage.

- **Amplifier Matching:** Use an amplifier that can provide sufficient power within the subwoofer's RMS rating, and ensure its impedance output matches the subwoofer's wired impedance.
- **Gain Setting:** Set the amplifier's gain correctly to avoid clipping, which can lead to distortion and damage.
- **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 subwoofers is between 60Hz and 100Hz.
- **Compatible Devices:** This subwoofer is designed for use with car audio systems, connecting to compatible devices such as head units, amplifiers, and other audio sources.

MAINTENANCE

Regular maintenance helps ensure the longevity and performance of your subwoofer.

- **Cleaning:** Use a soft, dry cloth to wipe down the subwoofer. Avoid using harsh chemicals or abrasive cleaners.
- **Environmental Conditions:** This product is *not* waterproof. Avoid exposure to moisture, extreme temperatures, and direct sunlight.
- **Connection Checks:** Periodically inspect all wiring connections to ensure they remain secure and free from corrosion.
- **Listen for Distortion:** If you hear any distortion, reduce the volume immediately to prevent damage to the voice coil.

TROUBLESHOOTING

If you experience issues with your subwoofer, refer to the following common problems and solutions.

Problem	Possible Cause	Solution
No Sound from Subwoofer	Loose or incorrect wiring Amplifier not powered on or in protect mode Incorrect amplifier settings Damaged voice coil	Check all connections for proper polarity and security. Verify amplifier power and check fuses. Ensure gain, LPF, and other settings are correct. Inspect voice coil for signs of damage (e.g., burning smell, physical deformation).
Distorted Sound	Amplifier gain set too high (clipping) Subwoofer over-powered or under-powered Incorrect enclosure Damaged voice coil or surround	Reduce amplifier gain until distortion is eliminated. Ensure amplifier power matches subwoofer RMS rating. Verify enclosure volume and tuning are appropriate for the subwoofer. Inspect for physical damage.
Subwoofer Overheating	Excessive power or prolonged high volume Incorrect impedance match Inadequate ventilation	Reduce volume and allow to cool. Re-check wiring for correct impedance. Ensure proper airflow around the subwoofer and amplifier.

SPECIFICATIONS

Model Name	MF-12R-D4
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Speaker Type	Subwoofer
Subwoofer Diameter	12 Inches
MAX Power	2400 Watts
RMS Power	1200W
Voice Coil Size	3"
Impedance	4+4 Ohm (Dual Voice Coil)
Magnet Type	Ferrite
Cone Material	Paper
Voice Coil Wire	CCAW
Surround Material	Foam
Frame Material	Steel
SPL	86.30 dB
Fs	38Hz
BL	20.50
Vas	27.60L
Xmeh	30mm
Xmax	0.59 inches (15mm)
Mounting Depth	6.3 inches (161.8mm)
Cut-out Dimension	11.1 inches (282mm)
Item Weight	21.8 pounds (approx. 10.25 kg)
Is Waterproof	FALSE
Connectivity Technology	Wired
UPC	795958008917

WARRANTY AND SUPPORT

This product comes with a **Limited Warranty**. For specific warranty terms and conditions, please refer to the documentation provided with your purchase or contact Deaf Bonce customer support.

For technical assistance, troubleshooting beyond this manual, or warranty claims, please contact the manufacturer directly. Visit the official Deaf Bonce website for contact information.

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

you@example.com

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