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> [PRV AUDIO 10MB800FT 10-inch Midbass Loudspeaker User Manual](#)

PRV AUDIO 10MB800FT

PRV AUDIO 10MB800FT 10-inch Midbass Loudspeaker User Manual

Model: 10MB800FT

INTRODUCTION

This user manual provides comprehensive instructions for the PRV AUDIO 10MB800FT 10-inch Midbass Loudspeaker. It covers essential safety information, product setup, operational guidelines, maintenance procedures, troubleshooting tips, and detailed technical specifications. Please read this manual thoroughly before installing or operating your speaker to ensure optimal performance and longevity.

SAFETY INFORMATION

- Always disconnect power before making any connections or performing maintenance.
- Ensure proper impedance matching with your amplifier to prevent damage to the speaker or amplifier. The 10MB800FT has an 8 Ohm impedance.
- Avoid exposing the speaker to excessive moisture or extreme temperatures.
- Do not operate the speaker beyond its rated power limits (400 Watts RMS, 800 Watts Program Power) to prevent distortion and damage.
- Install the speaker securely to prevent movement or detachment during operation.
- This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. Wash hands after handling.

PACKAGE CONTENTS

Verify that all items are present in your package:

- 1 x PRV AUDIO 10MB800FT 10-inch Midbass Loudspeaker

SETUP

1. Mounting the Speaker

The PRV AUDIO 10MB800FT is designed for flush mount installations. Ensure the mounting surface is sturdy and provides adequate clearance for the speaker's depth (5.12 inches / 130mm).

1. Carefully measure and mark the cutout diameter (approximately 9.01 inches / 229mm) on your enclosure or mounting panel.
2. Cut the opening precisely.
3. Align the speaker with the cutout and secure it using appropriate screws through the mounting holes on the speaker frame. Ensure even pressure to prevent warping.

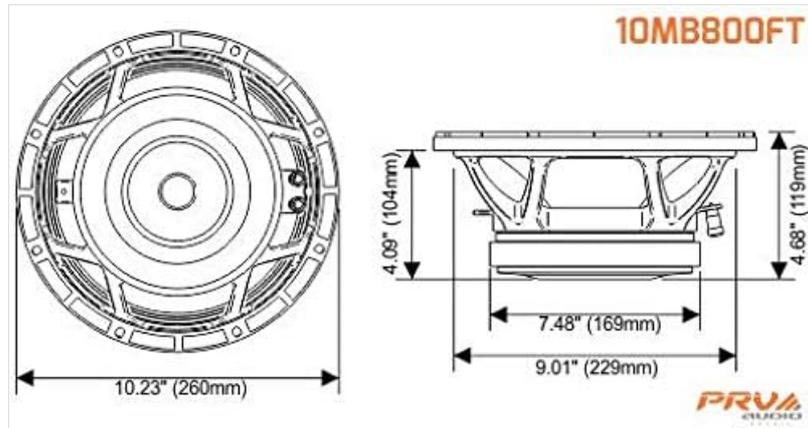


Figure 1: Technical drawing showing the dimensions of the 10MB800FT speaker, including mounting and overall size.

2. Wiring Connections

Proper wiring is crucial for optimal performance and to prevent damage. The 10MB800FT features spring-loaded terminals for secure connections.

1. Identify the positive (+) and negative (-) terminals on the speaker. The positive terminal is typically marked in red, and the negative in black.
2. Connect the positive output from your amplifier to the positive terminal of the speaker.
3. Connect the negative output from your amplifier to the negative terminal of the speaker.
4. Ensure all connections are tight and free from short circuits.



Figure 2: Rear view of the 10MB800FT speaker, highlighting the input terminals for wiring connections.

OPERATING THE SPEAKER

The PRV AUDIO 10MB800FT is a high-performance midbass loudspeaker designed for pro audio systems and high SPL automotive systems. It delivers an extended bass response and clear midrange clarity.

- **Power Handling:** This speaker has a continuous program power rating of 800 Watts and an RMS power rating of 400 Watts. Ensure your amplifier's output matches these specifications to avoid damage.
- **Frequency Response:** The speaker provides a smooth vocal response with great output from 650 Hz to 1500 Hz, and a useful response up to 6,500 Hz. Its extended bass response starts from 65 Hz.
- **Sensitivity:** With a sensitivity of 99 dB, this speaker is highly efficient, converting amplifier power into sound effectively.
- **Voice Coil:** Features a 2.5-inch Inside/Out aluminum voice coil wound on a fiberglass former for high-temperature performance. The ventilated voice coil gap reduces power compression, ensuring consistent performance.



Figure 3: Angled view of the 10MB800FT speaker, showcasing its robust construction and cone design.

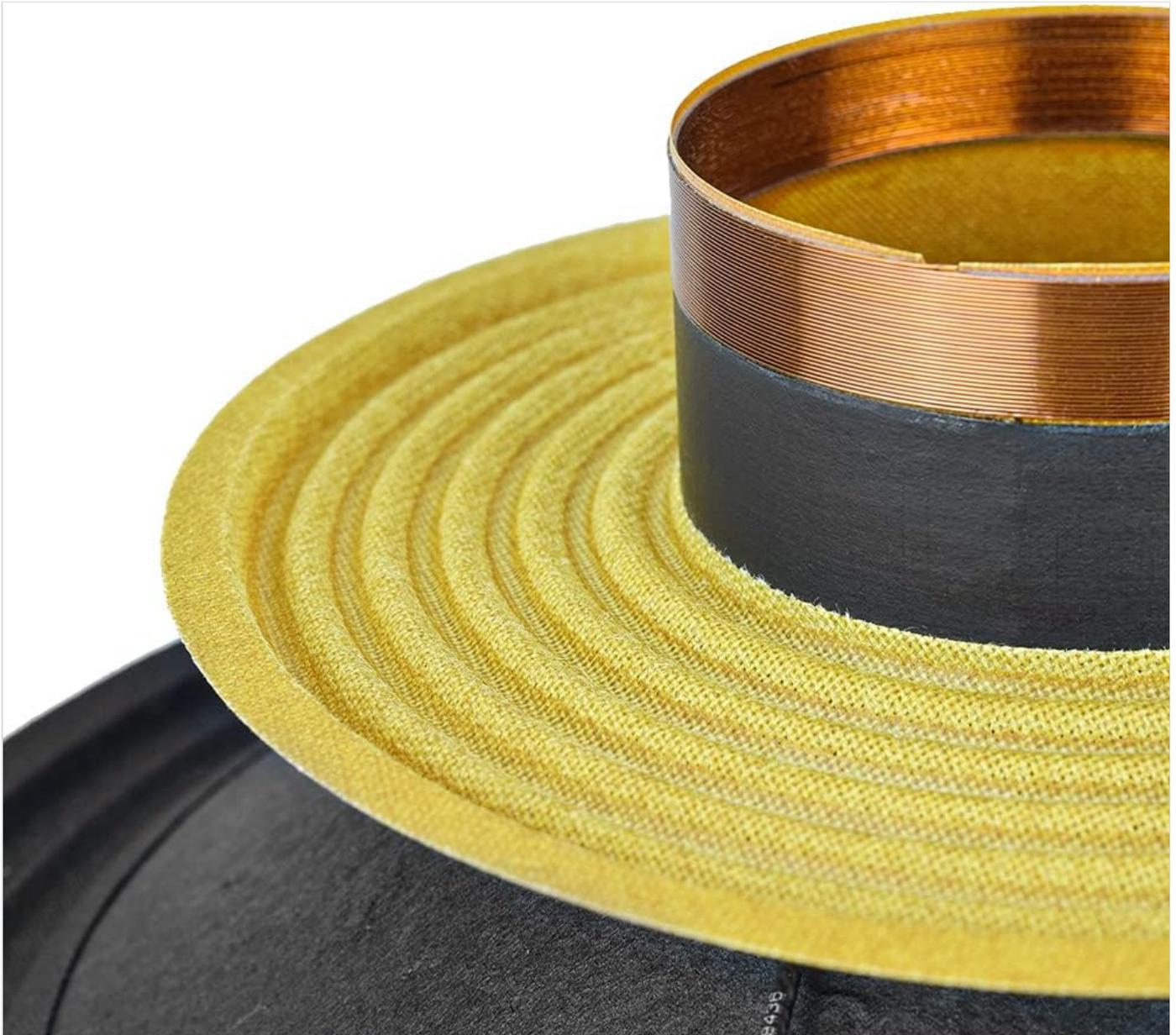


Figure 4: Detailed view of the 2.5-inch voice coil and the yellow spider, indicating the speaker's internal components designed for high performance.

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Video 1: Official product video showcasing the features and performance of the PRV AUDIO 10MB800FT 10-inch Mid Bass 8 ohms Pro Audio Speaker.

MAINTENANCE

To ensure the longevity and optimal performance of your PRV AUDIO 10MB800FT speaker, follow these maintenance guidelines:

- **Cleaning:** Use a soft, dry cloth to gently wipe the speaker cone and frame. Avoid using harsh chemicals or abrasive cleaners.
- **Inspection:** Periodically inspect the speaker for any signs of damage, such as tears in the cone, loose connections, or corrosion on the terminals.
- **Environment:** Keep the speaker in a clean, dry environment. Protect it from direct sunlight, extreme temperatures, and excessive humidity.
- **Protection:** If the speaker is installed in an exposed area, consider using a protective grille to prevent physical damage to the cone.

TROUBLESHOOTING

Problem	Possible Cause	Solution
No Sound	Loose or incorrect wiring connections. Amplifier not powered on or faulty. Speaker damaged.	Check all wiring connections for proper polarity and tightness. Verify amplifier power and functionality. Test speaker with another known good amplifier/source if possible.
Distorted Sound	Overpowering the speaker. Amplifier clipping. Incorrect impedance match. Damaged voice coil or cone.	Reduce amplifier gain or volume. Ensure amplifier is not clipping (indicated by distortion at lower volumes). Verify amplifier output impedance matches speaker impedance (8 Ohm). Inspect speaker for physical damage.
Weak Bass Response	Incorrect enclosure size or type. Phase issues. Insufficient amplifier power.	Ensure the speaker is installed in an appropriate enclosure for midbass reproduction. Check wiring polarity (reverse one speaker's polarity to test for phase issues). Ensure amplifier provides sufficient power for the speaker.
Overheating	Overpowering the speaker. Prolonged high volume use. Insufficient ventilation.	Reduce power input. Allow speaker to cool down. Ensure adequate airflow around the speaker, especially the voice coil gap.

SPECIFICATIONS

Feature	Specification
Model Name	10MB800FT
Speaker Type	Midbass Speaker
Speaker Size	10 Inches
RMS Power	400 Watts
Program Power	800 Watts
Impedance	8 Ohm
Voice Coil	2.5 Inches (Inside/Out aluminum)
Frequency Response	65 - 6,500 Hz
Sensitivity	99 dB
Material	Die Cast Aluminum, Glass Fiber
Mounting Type	Flush Mount
Product Dimensions (D x W x H)	10.82"D x 10.82"W x 5.12"H
Item Weight	11.01 Pounds
Color	Black

WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the official PRV AUDIO website or contact their customer service directly. Keep your purchase receipt as proof of purchase for any warranty claims.

PRV AUDIO Group: www.prvaudio.com

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