

JBL MPS1000

JBL MPS1000 10-Inch Powered Marine Subwoofer Instruction Manual

1. INTRODUCTION

The JBL MPS1000 is a high-performance 10-inch powered marine subwoofer designed to deliver robust bass in challenging marine environments. This manual provides essential information for proper installation, operation, and maintenance of your subwoofer, ensuring optimal performance and longevity.

2. SAFETY INFORMATION

- Always disconnect the battery before performing any electrical work to prevent electrical shock or damage.
- Ensure all wiring connections are secure and properly insulated to prevent short circuits and potential fire hazards.
- Consult a professional for installation if you are unsure about any steps or electrical procedures.
- This product is designed for marine use; however, proper installation is crucial to prevent water damage to electrical components.
- Do not expose the subwoofer to extreme temperatures or direct sunlight for prolonged periods.

3. PACKAGE CONTENTS

Verify that all items are present in the package:

- JBL MPS1000 10-Inch 250-Watt Powered Marine Subwoofer
- Mounting Template
- Owner's Manual (this document)
- Mounting Hardware (screws, fuse)



Image: The JBL MPS1000 subwoofer shown with its owner's manual and mounting hardware, including screws and a fuse.

4. FEATURES

The JBL MPS1000 subwoofer incorporates several key features for superior marine audio performance:

- **10-inch, 250-Watt Powered Design:** Delivers powerful bass output suitable for marine environments.
- **Integrated Amplifier and Enclosure:** Simplifies installation and optimizes performance.
- **Built-in 12dB Electronic Crossover:** Adjustable between 70Hz and 170Hz for seamless integration with other speakers.
- **Built-in Bass EQ:** Provides 40Hz adjustment between -6dB and +3dB to fine-tune bass response.
- **Watertight Protective Cover:** Controls are protected from marine elements.
- **Marinized Circuit Board:** Engineered to withstand harsh salt air and corrosion.

- **Polypropylene Cone:** Durable and resistant to moisture.
- **Stainless Steel Hardware:** Ensures longevity in marine conditions.

5. INSTALLATION

The MPS1000 is designed for flexible installation in various marine vessels. Its compact size and low heat sink facilitate placement in tight spaces. Use the provided mounting template for accurate cutout dimensions.

5.1 Placement Considerations

- Ensure the chosen location allows for adequate air circulation around the subwoofer, despite its low heat sink design.
- Consider the subwoofer's dimensions: **13-1/16 inches (width) by 7-15/16 inches (height) by 13 inches (depth)** for the main subwoofer unit. The overall product dimensions are **12 x 10 x 12 inches**.
- Mounting should be secure to prevent movement during vessel operation.



Image: Front view of the JBL MPS1000 Marine Subwoofer, showcasing its white grille and robust design.



Image: Angled view of the JBL MPS1000 Marine Subwoofer, highlighting its compact form factor.

6. WIRING

Proper wiring is essential for the safety and performance of your JBL MPS1000 subwoofer.

6.1 Power Connection

- A heavy gauge dedicated power wire must be run directly from the vessel's battery to the subwoofer.
- Install a special type of fuse (as specified in the owner's manual, not included in the box) near the battery terminal. This fuse is critical for protecting the system from overcurrent.
- The maximum current draw for the unit is **14A**.

6.2 Signal Input

The MPS1000 supports two types of audio input:

- **Line-Level Input:** Accepts signals from 100mV to 6V. Use RCA cables for this connection.
- **Speaker-Level Input:** Accepts signals from 1V to 13V. Connect directly to your existing speaker wires.

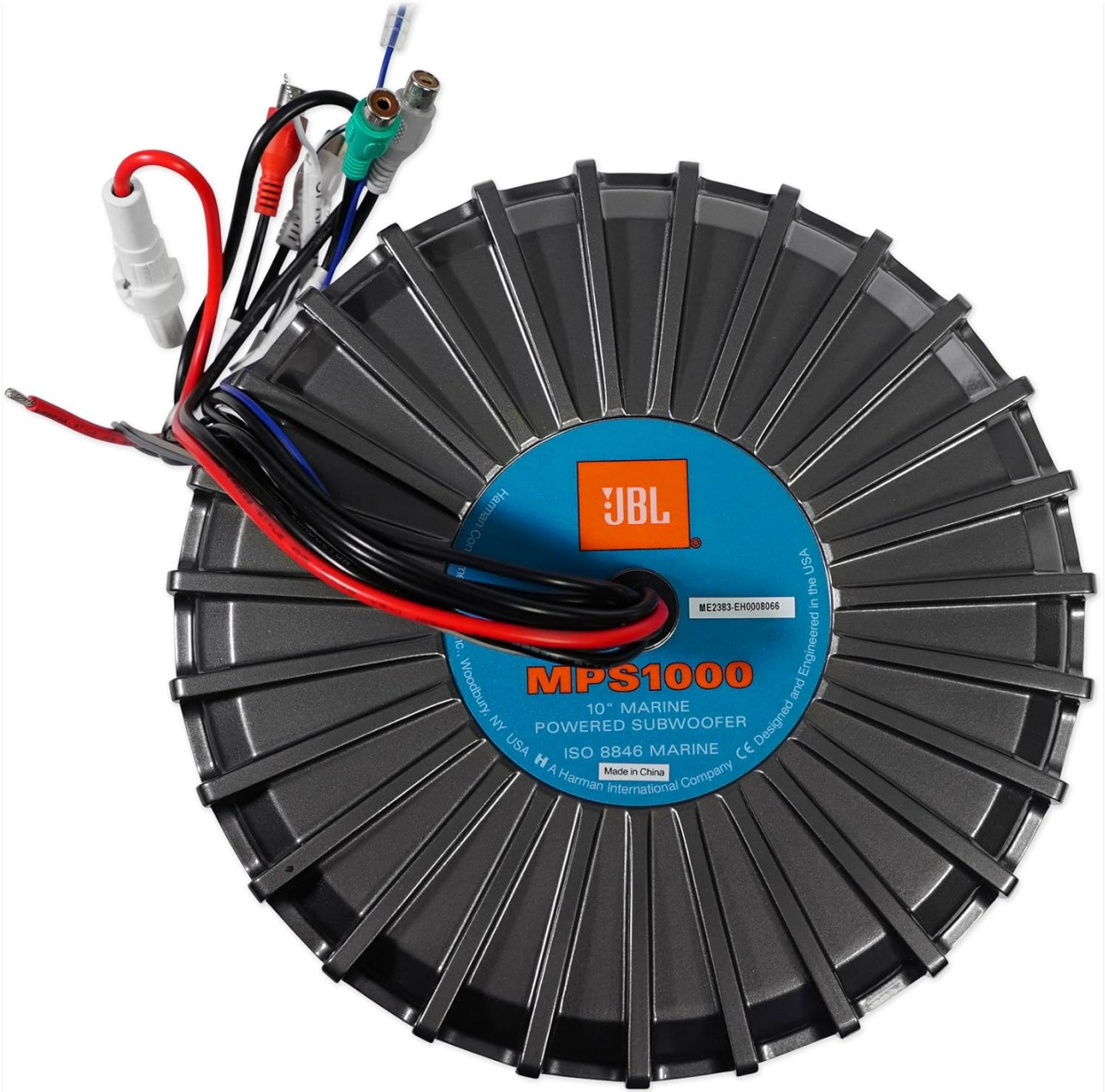


Image: Rear view of the JBL MPS1000 Marine Subwoofer, showing the various wiring connections for power and audio input.

7. OPERATION

Once the JBL MPS1000 is correctly installed and wired, it is ready for operation. Ensure your audio source is connected and powered on. The subwoofer will automatically activate when an audio signal is detected.

8. TUNING AND ADJUSTMENTS

The MPS1000 provides several controls to optimize its performance for your specific audio system and listening preferences. These controls are located on the front panel, protected by a watertight cover.

8.1 Electronic Crossover Adjustment

- The built-in 12dB electronic crossover allows you to set the upper frequency limit for the subwoofer.

- Adjust this control between **70Hz and 170Hz** to ensure a smooth transition between the subwoofer and your main speakers. A lower setting will focus on deeper bass, while a higher setting will allow the subwoofer to play higher bass notes.

8.2 Bass EQ Adjustment

- The variable bass-boost circuit, or Bass EQ, provides adjustment at **40Hz**.
- You can adjust this setting between **-6dB and +3dB** to enhance or reduce the bass impact at this specific frequency. This is particularly useful for compensating for acoustic characteristics of your vessel or limited placement options.



Image: Side view of the JBL MPS1000 Marine Subwoofer, illustrating the location of the control panel beneath its watertight protective cover.

9. MAINTENANCE

To ensure the longevity and optimal performance of your JBL MPS1000 subwoofer, follow these maintenance guidelines:

- **Regular Cleaning:** Wipe the exterior of the subwoofer with a soft, damp cloth. Avoid using abrasive cleaners or

solvents, which can damage the finish or protective coatings.

- **Inspect Connections:** Periodically check all wiring connections for corrosion or looseness. Ensure they remain secure and properly insulated.
- **Watertight Cover:** Always ensure the watertight protective cover over the controls is securely closed when not making adjustments.
- **Cone Inspection:** Visually inspect the polypropylene cone for any signs of damage, tears, or deterioration.
- **Hardware Check:** Verify that all stainless steel mounting hardware remains tight and free from corrosion.

10. TROUBLESHOOTING

If you encounter issues with your JBL MPS1000 subwoofer, refer to the following common troubleshooting steps:

Problem	Possible Cause	Solution
No Sound Output	No power, loose connections, blown fuse, no audio signal.	Check power wire, ground wire, and remote turn-on lead. Verify fuse integrity. Ensure audio source is playing and connected correctly.
Distorted Sound	Gain set too high, incorrect crossover settings, damaged cone.	Reduce gain level. Adjust electronic crossover frequency. Inspect the subwoofer cone for physical damage.
Subwoofer Not Turning On	No remote turn-on signal, power issue.	Check remote turn-on wire connection to head unit. Verify main power and ground connections.

If these steps do not resolve the issue, contact JBL customer support or a qualified marine audio technician.

11. SPECIFICATIONS

Detailed technical specifications for the JBL MPS1000:

Specification	Value
Model Name	MPS1000
Speaker Type	Subwoofer
Speaker Size	10 Inches
Woofer Diameter	10 Inches
Speaker Maximum Output Power	250 Watts
Audio Output Mode	Stereo
Signal-to-Noise Ratio	81.1dB
Maximum Current Draw	14A
Input Sensitivity (Line-Level)	100mV to 6V
Input Sensitivity (Speaker-Level)	1V to 13V

Specification	Value
Product Dimensions	12 x 10 x 12 inches
Item Weight	0.01 Ounces
Manufacturer	Harman Kardon
UPC	050667034979, 066510875798
Mounting Type	Marine Subwoofer, Car Mount, Boat Mount

12. WARRANTY AND SUPPORT

The JBL MPS1000 10-Inch Powered Marine Subwoofer is covered by a **one-year limited warranty** from the date of purchase. This warranty covers defects in materials and workmanship under normal use.

For warranty service, technical support, or to obtain replacement parts, please contact JBL customer service through their official website or authorized service centers. Keep your proof of purchase for warranty claims.