

[Manuals.plus](#) /

› [Memphis](#) /

› Memphis Audio MXA1044 10-inch Marine Subwoofer Instruction Manual

## Memphis MXA1044

# Memphis Audio MXA1044 10-inch Marine Subwoofer Instruction Manual

### INTRODUCTION

The Memphis Audio MXA1044 is a 10-inch marine-grade subwoofer engineered for durability and high-quality audio performance in challenging environments. Designed to resist water and other elements, this subwoofer features a UV-treated polypropylene cone and a high-temperature ABS corrosion-resistant plastic basket. It includes an integrated RGB LED lighting system to enhance your audio experience. This manual provides essential information for proper installation, operation, and maintenance of your MXA1044 subwoofer.



Image: Memphis Audio MXA1044 10-inch marine subwoofer with its integrated RGB LED lighting illuminated in green.

## SAFETY INFORMATION

- Always disconnect the vehicle's battery before performing any electrical work.
- Ensure all wiring connections are secure and properly insulated to prevent short circuits.
- Install the subwoofer in a location that does not obstruct vehicle operation or safety features.
- This product is designed to be waterproof; however, ensure all connections are sealed to maintain water resistance.
- Consult a professional installer if you are unsure about any installation steps.

## WHAT'S IN THE BOX

Upon unpacking your Memphis Audio MXA1044 subwoofer, verify that all components are present:

- 10-inch Marine Subwoofer (MXA1044) with integrated gunmetal gray grill
- User Manual



Image: The Memphis Audio MXA1044 subwoofer, user manual, and included mounting screws and wiring harness.

## SETUP AND INSTALLATION

### Mounting

The MXA1044 subwoofer requires a mounting depth of 4.5 inches and a cut-out diameter of 9.3 inches. Ensure the mounting surface is sturdy and capable of supporting the subwoofer's weight and vibration. Use appropriate marine-grade fasteners for installation.



Image: Side profile of the Memphis Audio MXA1044 subwoofer, illustrating its mounting flange and depth.

## Wiring the Subwoofer

The MXA1044 features a Dual Voice Coil (DVC) 4-ohm impedance. This allows for flexible wiring configurations to match your amplifier's capabilities. The gold-plated terminals ensure optimal signal transfer and corrosion resistance.

- **Parallel Wiring (2-ohm load):** Connect the positive terminals of both voice coils together, and the negative terminals of both voice coils together. Then connect the combined positive to the amplifier's positive output and the combined negative to the amplifier's negative output.
- **Series Wiring (8-ohm load):** Connect the positive terminal of one voice coil to the negative terminal of the other voice coil. Then connect the remaining positive terminal to the amplifier's positive output and the remaining negative terminal to the amplifier's negative output.
- **Independent Wiring (4-ohm per channel):** If using a multi-channel amplifier, each voice coil can be connected to a separate amplifier channel, presenting a 4-ohm load to each channel.



Image: The rear of the Memphis Audio MXA1044 subwoofer, displaying the dual voice coil terminals for wiring connections.



Image: A close-up side view of the Memphis Audio MXA1044 subwoofer, highlighting the gold-plated terminals for secure wiring.

## RGB LED Lighting Wiring

The integrated RGB LED lighting requires a separate power connection. Connect the LED wiring to a compatible RGB controller (sold separately) or a 12V power source for a single color. Ensure proper polarity to avoid damage.

## OPERATING INSTRUCTIONS

### Audio Playback

Once properly installed and connected to an appropriate amplifier, the MXA1044 subwoofer will reproduce low-frequency audio. Adjust the amplifier's gain, crossover, and phase settings for optimal sound integration with your full-range speakers.

### RGB LED Lighting Control

The integrated RGB LED lighting can be controlled via an external RGB controller (not included). This allows for customization of colors and lighting effects. Refer to your RGB controller's manual for specific operating instructions.



Image: The Memphis Audio MXA1044 subwoofer with its integrated RGB LED lighting illuminated in a vibrant green.

## MAINTENANCE

To ensure the longevity and performance of your MXA1044 marine subwoofer, follow these maintenance guidelines:

- **Cleaning:** Regularly wipe down the subwoofer and grill with a soft, damp cloth. For stubborn dirt, use a mild soap solution and rinse thoroughly with fresh water. Avoid using harsh chemicals, abrasive cleaners, or high-pressure washers, as these can damage the UV-treated cone and corrosion-resistant basket.
- **Inspection:** Periodically inspect all wiring connections for corrosion or looseness. Ensure the mounting hardware remains

secure.

- **Environmental Protection:** While designed for marine environments, prolonged exposure to extreme conditions can still impact performance. When not in use, consider covering the subwoofer if exposed to direct sunlight or harsh weather.

## TROUBLESHOOTING

If you encounter issues with your MXA1044 subwoofer, refer to the following common troubleshooting steps:

- **No Sound:**
  - Check all power and ground connections to the amplifier.
  - Verify the amplifier is receiving a signal from the source unit.
  - Ensure subwoofer wiring is correctly connected to the amplifier terminals and that no wires are loose or shorted.
  - Check amplifier protection modes or blown fuses.
- **Distorted Sound:**
  - Reduce the amplifier's gain setting.
  - Check for proper impedance matching between the subwoofer and amplifier.
  - Ensure the subwoofer is not over-powered or under-powered by the amplifier.
  - Verify the enclosure is sealed and free of air leaks.
- **LEDs Not Working:**
  - Check the power connection to the RGB LED wiring.
  - Ensure the RGB controller (if used) is powered on and functioning correctly.
  - Verify correct polarity of the LED wiring.

## SPECIFICATIONS

| Feature             | Specification                |
|---------------------|------------------------------|
| Size                | 10 inches                    |
| RMS Power           | 250 Watts                    |
| Peak Power          | 500 Watts                    |
| Sensitivity         | 86 dB                        |
| Magnet Size         | 48 OZ                        |
| Mounting Depth      | 4.5 inches                   |
| Cut Out Diameter    | 9.3 inches                   |
| Voice Coil Diameter | 2 inches                     |
| Impedance           | DVC 4-ohm                    |
| Cone Material       | Polypropylene (UV resistant) |

| Feature             | Specification                                       |
|---------------------|-----------------------------------------------------|
| Basket Material     | High temperature ABS plastic (corrosion resistant)  |
| Additional Features | RGB LED Lighting, Gold plated terminals, Waterproof |
| Model Number        | MXA1044                                             |
| UPC                 | 702588001935                                        |

## WARRANTY INFORMATION

The Memphis Audio MXA1044 subwoofer is covered by a 1 Year Manufacturer Limited Warranty. This warranty covers defects in materials and workmanship under normal use. It does not cover damage resulting from improper installation, accident, misuse, abuse, neglect, unauthorized modification, or normal wear and tear.

To obtain warranty service, retain your proof of purchase. Contact Memphis Audio customer support for instructions on how to proceed with a warranty claim. Do not attempt to return the product to the place of purchase without prior authorization.

## SUPPORT

For further assistance, technical support, or inquiries regarding your Memphis Audio MXA1044 subwoofer, please contact Memphis Audio customer service. Refer to the official Memphis Audio website for the most current contact information and support resources.

**Online Resources:** [www.memphiscaraudio.com](http://www.memphiscaraudio.com)

## 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

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### 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**