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› Rockford Fosgate M2D4-10I Color Optix Marine Subwoofer Instruction Manual

Rockford Fosgate M2D4-10I

Rockford Fosgate M2D4-10I Color Optix Marine Subwoofer Instruction Manual

Model: M2D4-10I | Brand: Rockford Fosgate

INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your Rockford Fosgate M2D4-10I Color Optix 10-inch DVC 4-Ohm Infinite Baffle Multicolor LED Lighted Marine Subwoofer. Please read this manual thoroughly before attempting installation or operation to ensure proper function and longevity of your product.

WHAT'S IN THE BOX

Upon unpacking your Rockford Fosgate M2D4-10I subwoofer, please verify that all items are present and in good condition:

- M2D4-10I Marine Subwoofer with Grille
- Mounting Hardware
- Wiring Harness (for LED and audio connections)



Image: The M2D4-10I subwoofer shown with its wiring harness and mounting hardware.

SETUP AND INSTALLATION

Proper installation is crucial for optimal performance and product longevity. If you are unsure about any step, consult a professional installer.

Mounting Location

Select a suitable infinite baffle mounting location on your marine vessel. Ensure the location provides adequate clearance for the subwoofer's depth and allows for secure fastening. The Element Ready design and IP67 certification ensure protection from UV rays and water spray, making it suitable for marine environments.

Wiring Connections

The M2D4-10I features a Dual Voice Coil (DVC) design and a VersaSwitch for impedance selection. It also includes Color Optix LED lighting, which requires connection to a compatible controller (PMX-RGB sold separately).

- **Audio Wiring:** Connect the subwoofer's audio terminals to your amplifier. The VersaSwitch allows easy selection between 2-Ohm and 8-Ohm impedance. Ensure your amplifier is compatible with the selected impedance.
- **LED Wiring:** Connect the LED wiring harness to a Rockford Fosgate Color Optix Controller (e.g., PMX-RGB) for customizable lighting patterns.



Image: Detail of the VersaSwitch for impedance selection on the subwoofer.



Image: Another view of the integrated impedance selector switch.



Image: The Rockford Fosgate PMX-RGB Color Optix Controller, sold separately, for managing LED lighting.

[Video: Rockford Fosgate M2 Color Optix Subwoofer Introduction](#)

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Video: An introductory overview of the Rockford Fosgate M2 Color Optix Subwoofer, highlighting its features and design.

[Video: Rockford Fosgate Color Optix Marine Series](#)

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Video: This video showcases the entire Rockford Fosgate Color Optix Marine Series, demonstrating the integrated LED lighting and marine-grade durability.

OPERATING INSTRUCTIONS

Once properly installed, your M2D4-10I subwoofer is ready for operation. Ensure your audio system is correctly configured to send a low-pass filtered signal to the subwoofer amplifier.

Audio Playback

Play audio through your marine audio system. Adjust the subwoofer amplifier gain and crossover settings to blend seamlessly with your main speakers. The M2D4-10I is designed to deliver loud, clear, and accurate bass.

Color Optix LED Control

To customize the multicolor LED lighting, use the Rockford Fosgate RF Connect App in conjunction with the PMX-RGB Color Optix Controller (sold separately). The app allows you to select various colors, patterns, and brightness levels for your subwoofer's lighting.



Image: Example of Color Optix lighting in a marine audio setup.

MAINTENANCE

Regular maintenance will help preserve the performance and appearance of your marine subwoofer.

- **Cleaning:** Periodically clean the subwoofer grille and surrounding areas with a soft, damp cloth. Avoid harsh chemicals or abrasive cleaners.
- **Inspection:** Regularly inspect all wiring connections for corrosion or damage. Ensure mounting hardware remains secure.
- **Water Exposure:** While the subwoofer is IP67 certified for water resistance, prolonged submersion or high-pressure water jets should be avoided.

TROUBLESHOOTING

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

Problem	Possible Cause	Solution
No sound from subwoofer	No power to amplifier; incorrect wiring; amplifier in protect mode; incorrect head unit settings.	Check amplifier power and ground connections. Verify audio input and output wiring. Reset amplifier if in protect mode. Adjust head unit subwoofer output settings.
Distorted sound	Amplifier gain too high; incorrect crossover settings; damaged speaker.	Reduce amplifier gain. Adjust low-pass filter settings. Inspect subwoofer cone for physical damage.
LEDs not working or incorrect color	Incorrect LED wiring; controller not powered; app not connected.	Verify LED wiring to the Color Optix Controller. Ensure the controller has power. Connect the RF Connect App to the controller via Bluetooth.
Subwoofer cuts out intermittently	Loose connections; overheating amplifier; impedance mismatch.	Check all wiring connections. Ensure adequate ventilation for the amplifier. Verify the VersaSwitch setting matches your amplifier's capabilities.

SPECIFICATIONS

Below are the key technical specifications for the Rockford Fosgate M2D4-10I Marine Subwoofer:

- **Model Number:** M2D4-10I
- **Speaker Type:** Subwoofer
- **Subwoofer Diameter:** 10 Inches
- **Impedance:** DVC 4-Ohm (selectable via VersaSwitch to 2-Ohm or 8-Ohm)
- **Speaker Maximum Output Power:** 1600 Watts Peak
- **RMS Power Handling:** 400 Watts
- **Frequency Response:** 20 Hz
- **Connectivity Technology:** Speaker Wire
- **Audio Output Mode:** Mono
- **Mounting Type:** Boat Mount (Infinite Baffle)
- **Additional Features:** Color Optix Multicolor LED Lighted Subwoofer
- **Controller Type:** App Control (requires PMX-RGB, sold separately)
- **Color:** White/Stainless
- **Water Resistance Level:** IP67 Waterproof
- **Item Dimensions (D x W x H):** 10"D x 10"W x 5"H
- **Item Weight:** 10 Pounds

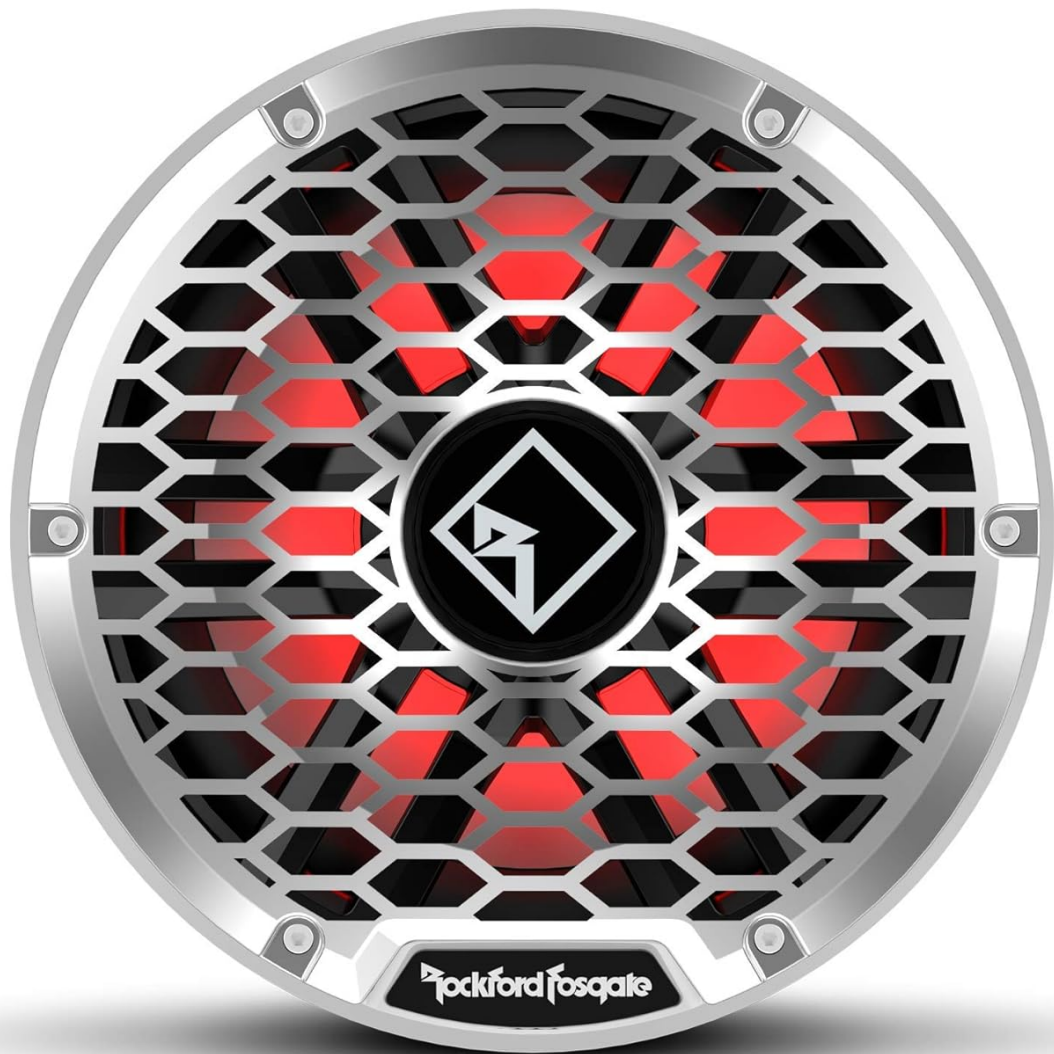


Image: Front view of the M2D4-10I subwoofer, showcasing its design and LED lighting.

WARRANTY AND SUPPORT

The Rockford Fosgate M2D4-10I Color Optix Marine Subwoofer comes with a **1-Year Manufacturer Warranty**. This warranty covers defects in materials and workmanship under normal use.

For warranty claims, technical support, or additional product information, please contact Rockford Fosgate customer service or visit their official website. Keep your purchase receipt as proof of purchase for warranty validation.