

Memphis MJM612

Memphis Audio MOJO MJM612 6.5" Competition Car Subwoofer User Manual

1. INTRODUCTION

Thank you for choosing the Memphis Audio MOJO MJM612 6.5" Competition Car Subwoofer. This manual provides essential information for the proper installation, operation, and maintenance of your subwoofer. Please read it thoroughly before proceeding with installation or use to ensure optimal performance and longevity of your product.



Image 1.1: Front view of the Memphis Audio MOJO MJM612 6.5" Competition Car Subwoofer.

2. KEY FEATURES

The Memphis Audio MOJO MJM612 subwoofer is engineered with advanced features for high-performance audio:

- **FLEX™ Selectable Impedance:** Easily switch between 1Ω or 2Ω impedance to match your amplifier's capabilities.
- **CCAW Triple Voice Coil:** Features a 1.5" Copper Clad Aluminum Wire voice coil for robust power handling.
- **Vented Cast Aluminum Basket:** Provides structural integrity and aids in heat dissipation.

- **Double Stitched V-Groove Rubber Surround:** Increases excursion without compromising effective surface area.
- **DVVC Direct Vent Voice Coil Cooling:** Enhances thermal management for sustained performance.
- **Lightweight Ultra-Rigid Glass Fiber Dustcap:** Contributes to precise sound reproduction.
- **Reinforced Spider:** Ensures durability and consistent cone movement.

3. SETUP AND INSTALLATION

3.1 Unpacking

Carefully remove the subwoofer from its packaging. Inspect the unit for any signs of damage that may have occurred during shipping. If damage is present, contact your dealer immediately.

3.2 Wiring Options (FLEX™ Impedance)

The MOJO MJM612 features FLEX™ selectable impedance, allowing you to choose between 1Ω or 2Ω. This selection is made directly on the subwoofer's terminal block. Ensure your amplifier is stable at the chosen impedance.

- **1Ω Wiring:** Connect your amplifier to the terminals configured for 1Ω.
- **2Ω Wiring:** Connect your amplifier to the terminals configured for 2Ω.

Refer to the diagram on the subwoofer's terminal block for correct wiring configuration. Always ensure connections are secure and properly insulated to prevent short circuits.



Image 3.1: Rear view of the subwoofer showing the FLEX™ selectable impedance wiring terminals.

3.3 Installation Considerations

Proper enclosure design and mounting are critical for optimal subwoofer performance. Consult with a professional installer or refer to car audio installation guides for best practices regarding enclosure volume, port tuning (if applicable), and secure mounting within your vehicle.

- Ensure adequate clearance around the subwoofer for proper excursion and cooling.
- Mount the subwoofer securely to prevent movement and vibration.
- Use appropriate gauge wiring for power, ground, and speaker connections.

4. OPERATING INSTRUCTIONS

4.1 Initial Power-Up

After installation, perform an initial power-up with the amplifier gain set to minimum. Gradually increase the volume and amplifier gain, listening for any distortion or unusual noises. This allows the subwoofer to break in and helps prevent damage.

4.2 Audio Adjustment

Adjust your amplifier's crossover and gain settings to integrate the subwoofer smoothly with your vehicle's existing audio system. The goal is to achieve balanced sound without overpowering other frequencies or causing distortion.

- **Gain:** Set the gain to match the output voltage of your head unit, not as a volume control.
- **Low-Pass Filter (LPF):** Typically set between 60Hz and 100Hz to ensure the subwoofer only reproduces low frequencies.
- **Subsonic Filter:** If available, set this filter below the LPF to protect the subwoofer from playing frequencies too low for its design or enclosure.

5. MAINTENANCE

The Memphis Audio MOJO MJM612 subwoofer requires minimal maintenance to ensure long-term performance.

- **Cleaning:** Periodically wipe the subwoofer cone and surround with a soft, dry cloth to remove dust and debris. Avoid using harsh chemicals or excessive moisture.
- **Inspection:** Regularly check all wiring connections for tightness and signs of corrosion. Ensure the subwoofer is securely mounted.
- **Avoid Overdriving:** Operating the subwoofer at excessive volumes or with a distorted signal can lead to damage. Listen for signs of distortion and reduce volume if detected.

6. TROUBLESHOOTING

If you experience issues with your subwoofer, consult the table below for common problems and solutions.

Problem	Possible Cause	Solution
---------	----------------	----------

Problem	Possible Cause	Solution
No Sound	No power to amplifier, loose speaker wires, incorrect impedance setting, amplifier in protect mode.	Check amplifier power and ground connections. Verify speaker wire connections. Confirm correct impedance selection. Check amplifier for fault codes.
Distorted Sound	Amplifier gain too high, incorrect crossover settings, damaged subwoofer.	Reduce amplifier gain. Adjust LPF and subsonic filter settings. Inspect subwoofer cone and surround for damage.
Weak Bass Output	Incorrect phase, insufficient amplifier power, improper enclosure.	Check phase setting on amplifier or head unit. Ensure amplifier power matches subwoofer RMS rating. Verify enclosure specifications.
Subwoofer Overheating	Overdriving, insufficient cooling, impedance mismatch.	Reduce volume/gain. Ensure adequate airflow around amplifier. Verify impedance matches amplifier.

7. SPECIFICATIONS

Detailed technical specifications for the Memphis Audio MOJO MJM612 subwoofer:

Specification	Value
Model Name	MJM612
Speaker Type	Subwoofer
Subwoofer Diameter	6.5 Inches
RMS Power (w)	700W
Peak Power (w)	1400W
Selectable Impedance	1Ω or 2Ω
Sensitivity (dB)	82 dB
Magnet Size (Oz)	80 Oz
Mounting Depth (in)	5 inches
Cut Out Diameter (in)	5.95 inches
Voice Coil Diameter (in)	1.5 inches
Material	Aluminum, Glass Fiber
Product Dimensions	8.9"D x 8.9"W x 8.1"H
Item Weight	23.1 pounds
Frequency Response	48.7 Hz
Connectivity Technology	Wired
Audio Output Mode	Mono

8. WARRANTY AND SUPPORT

8.1 Warranty Information

The Memphis Audio MOJO MJM612 subwoofer comes with a **1-year limited warranty** from the date of purchase. This warranty covers defects in materials and workmanship under normal use. It does not cover damage caused by improper installation, abuse, accident, neglect, or unauthorized repair.

Please retain your proof of purchase for warranty claims.

8.2 Customer Support

For technical assistance, warranty inquiries, or further information regarding your Memphis Audio product, please contact Memphis Audio customer support through their official website or authorized dealer. You can often find contact details on the manufacturer's website or your purchase documentation.

For more information, visit the [Memphis Audio Store](#).

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

