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Massive Audio HIPPOXL122R 12-inch Subwoofer Instruction Manual

Model: HIPPOXL122R | Brand: Massive Audio

1. INTRODUCTION

Thank you for choosing the Massive Audio HIPPOXL122R 12-inch Subwoofer. This manual provides essential information for the proper installation, operation, and maintenance of your subwoofer to ensure optimal performance and longevity. Please read this manual thoroughly before installation and use.

2. PRODUCT FEATURES

- Reinforced Fiberglass Woven Dust cap for High Power Applications
- Dual Impedance Black Anodized Voice Coil Former with Kevlar Spunlace
- Kevlar Fiber Reinforced Non-Pressed Paper Cone with Industrial Textured Finish
- Red Stitched Edge to the Cone's Edge for Added Strength
- Durable, Rugged Industrial Textured Cast Aluminum Basket

3. WHAT'S IN THE BOX

Upon unpacking, please verify that all items are present and in good condition.

- 1x Massive Audio HIPPOXL122R 12-inch Subwoofer

4. SETUP AND INSTALLATION

Proper installation is crucial for the performance and safety of your subwoofer. It is highly recommended that installation be performed by a qualified professional.

4.1 General Guidelines

- Ensure the vehicle's battery is disconnected before starting any wiring.
- Use appropriate gauge wiring for power, ground, and speaker connections.
- Mount the subwoofer securely within a suitable enclosure to prevent movement and damage.
- Avoid mounting the subwoofer in locations exposed to excessive moisture or direct sunlight.

4.2 Enclosure Recommendations

The HIPPOXL122R subwoofer is designed for high-performance bass. For optimal sound quality and output, a properly designed and constructed enclosure is essential. The specific enclosure volume and port tuning (for ported enclosures) will depend on your desired sound characteristics and vehicle acoustics. Consult with an audio specialist for custom enclosure designs.

4.3 Wiring Configurations (Dual 2 Ohm Voice Coils)

The HIPPOXL122R features dual 2 Ohm voice coils, offering flexibility in wiring to match your amplifier's impedance requirements.

- **1 Ohm Load:** Wire the two 2 Ohm voice coils in parallel. This configuration is suitable for amplifiers stable at 1 Ohm.
- **4 Ohm Load:** Wire the two 2 Ohm voice coils in series. This configuration is suitable for amplifiers stable at 4 Ohms.

Always ensure your amplifier is stable at the chosen impedance load to prevent damage to both the amplifier and the subwoofer.



Image: Angled view of the Massive Audio HIPPOXL122R 12-inch Subwoofer, highlighting its robust construction and red stitching detail.



Image: Front view of the Massive Audio HIPPOXL122R 12-inch Subwoofer, featuring the Kevlar fiber reinforced cone and the prominent Massive logo on the dust cap.

5. OPERATING INSTRUCTIONS

5.1 Power Handling

The HIPPOXL122R subwoofer is rated for a maximum output power of 6000 Watts. Ensure your amplifier's output matches the subwoofer's power handling capabilities to prevent damage. Overpowering or underpowering can lead to premature failure.

5.2 Break-in Period

Allow a break-in period of approximately 10-20 hours of moderate listening before operating the subwoofer at its maximum potential. This allows the suspension components to loosen and settle, improving overall performance and longevity.

5.3 Amplifier Settings

- **Gain Setting:** Adjust the amplifier gain to match the output voltage of your head unit. Do not use the gain control as a volume knob; it should be set to prevent clipping and distortion.
- **Low-Pass Filter (LPF):** Set the LPF on your amplifier or head unit to filter out high frequencies, typically between 60Hz and 100Hz, depending on your system and preference.
- **Subsonic Filter:** If available, set the subsonic filter to protect the subwoofer from playing frequencies below its resonant frequency, which can cause excessive excursion and damage.

Your browser does not support the video tag.

Video: An official promotional video from Massive Audio, showcasing various car audio installations and the visual impact of their subwoofers in action. This video demonstrates the potential of Massive Audio products in custom setups.

6. MAINTENANCE

The Massive Audio HIPPOXL122R subwoofer is designed for durability. Regular, simple maintenance can help ensure its long-term performance.

- **Cleaning:** Use a soft, dry cloth to wipe down the cone and surround. Avoid using harsh chemicals or excessive moisture.
- **Inspection:** Periodically check the speaker terminals and wiring for secure connections. Inspect the surround for any signs of cracking or damage.
- **Environment:** Ensure the subwoofer is kept in a stable environment, protected from extreme temperatures and direct exposure to water.

7. TROUBLESHOOTING

If you experience issues with your subwoofer, refer to the following common troubleshooting steps.

Problem	Possible Cause	Solution
No Sound	Loose wiring, amplifier off, incorrect input, blown fuse.	Check all wiring connections. Verify amplifier is powered on and receiving signal. Inspect fuses.
Distorted Sound	Gain set too high, incorrect crossover settings, damaged voice coil.	Reduce amplifier gain. Adjust LPF and subsonic filter settings. If distortion persists, professional inspection may be required.
Popping Noise	Clipping from amplifier, enclosure issues, damaged speaker.	Ensure amplifier gain is set correctly and not clipping. Verify enclosure integrity. If the issue continues, seek professional diagnosis.

If these steps do not resolve the issue, please contact Massive Audio customer support or a certified car audio technician.

8. SPECIFICATIONS

Feature	Detail
Model Name	HIPPOXL122R
Speaker Type	Subwoofer
Subwoofer Diameter	12 Inches
Impedance	Dual 2 Ohms
Speaker Maximum Output Power	6000 Watts
Frequency Response	20 Hz (Lower limit, actual range depends on enclosure)
Material	Aluminum, Paper with Kevlar Fiber
Product Dimensions	12"D x 8.5"W x 12"H
Item Weight	44 Pounds
Connectivity Technology	Wired
Manufacturer	Massive Audio

9. WARRANTY AND SUPPORT

9.1 Limited Warranty

The Massive Audio HIPPOXL122R subwoofer comes with a limited warranty. Please refer to the warranty card included with your product or visit the official Massive Audio website for detailed terms and conditions regarding warranty coverage, duration, and claims procedures. It is recommended to register your product upon purchase.

9.2 Customer Support

For technical assistance, troubleshooting beyond this manual, or warranty inquiries, please contact Massive Audio customer support.

Website: [Massive Audio Official Store](#)

