



Manuals.plus /

› Massive Audio /

› Massive Audio GTR64 6.5-inch Dual 4 Ohm Subwoofer Instruction Manual

Massive Audio HIPPOXL124

Massive Audio GTR64 6.5-inch Dual 4 Ohm Subwoofer Instruction Manual

Model: HIPPOXL124

1. INTRODUCTION

Thank you for choosing the Massive Audio GTR64 6.5-inch Dual 4 Ohm Subwoofer. This manual provides essential information for the proper installation, operation, and maintenance of your new subwoofer. Designed for exceptional sound quality and performance, the GTR Series subwoofers are built with durable components to enhance your car audio experience. Please read this manual thoroughly before installation and use to ensure optimal performance and longevity of your product.

2. KEY FEATURES

The GTR64 subwoofer incorporates advanced design and materials for superior audio reproduction:

- **Heavy Gauge Steel Basket:** Features industrial texture painting for durability and aesthetic appeal.
- **Dual Stacked High Flux Y30 120oz Strontium Ferrite Magnets:** Provides powerful motor force for dynamic bass response.
- **Dual Impedance / 1.5" Hi-Temp Voice Coil:** Manufactured in the USA for reliable performance under demanding conditions.
- **Custom High Roll Foam Surround:** Designed with the Massive Audio logo, ensuring optimal cone excursion and longevity.
- **Textured Non-Pressed Pulp Cone with Resin:** Delivers accurate and responsive bass.
- **High-Quality Spring Spider:** Ensures precise cone movement and stability.
- **High-Grade Woven Tinsel Leads:** Connects to a custom terminal case with flexible pure copper wire for efficient power transfer.

3. PACKAGE CONTENTS

Upon unpacking, please ensure all items are present and in good condition:

- 1 x Massive Audio GTR64 6.5-inch Dual 4 Ohm Subwoofer

- Instruction Manual (this document)



Image 3.1: The GTR64 subwoofer is securely packaged in a branded box, ensuring protection during transit.

4. SETUP AND INSTALLATION

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

4.1 Enclosure Recommendations

The GTR64 subwoofer can be used in both ported and sealed enclosures. The optimal enclosure type and size will depend on your desired sound characteristics and vehicle acoustics.

- **Ported Box:** A recommended ported box measures approximately 7.9" H x 15" D x 8.7" W. Ported enclosures generally provide higher output and deeper bass extension.
- **Sealed Box:** A recommended sealed box volume is approximately 0.35 cubic feet. Sealed enclosures typically offer tighter, more accurate bass response.

Consult with an audio specialist or refer to detailed enclosure design guides for precise measurements and tuning for your specific application.

4.2 Wiring Connections

The GTR64 features a dual 4 Ohm voice coil. Proper wiring to your amplifier is essential to achieve the desired impedance and maximize performance. Common wiring configurations include:

- **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 these to the amplifier's positive and negative outputs respectively. This configuration results in a 2 Ohm load, suitable for amplifiers stable at this impedance.
- **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 and negative terminals to the amplifier's positive and negative outputs respectively. This configuration results in an 8 Ohm load.

Always ensure your amplifier is stable at the chosen impedance. Incorrect wiring can damage both the subwoofer and the amplifier.



Image 4.1: The GTR64 subwoofer's robust magnet structure and voice coil assembly, designed for high power handling.

5. OPERATING INSTRUCTIONS

Once installed, follow these guidelines for optimal operation:

1. **Initial Power-Up:** After installation, turn on your audio system at a low volume. Gradually increase the volume and check for any distortion or unusual noises.
2. **Gain Setting:** Adjust the gain setting on your amplifier carefully. The gain control is not a volume knob; it matches the output voltage of your head unit to the input sensitivity of the amplifier. Set it to the lowest point where you achieve maximum clean output without distortion.
3. **Crossover Settings:** Use the low-pass filter (LPF) on your amplifier or head unit to send only low frequencies to the subwoofer. A common starting point for the LPF is 80-100 Hz.
4. **Break-in Period:** Allow a break-in period of approximately 10-20 hours of normal listening before operating the subwoofer at high volumes. This allows the suspension components to loosen up and reach their optimal performance.
5. **Avoid Distortion:** Always listen for signs of distortion. If you hear distorted sound, reduce the volume immediately. Prolonged operation with distorted signals can damage the subwoofer.



Image 5.1: The GTR64 subwoofer's cone and surround, designed for optimal sound dispersion and durability.

6. MAINTENANCE

The GTR64 subwoofer requires minimal maintenance to ensure long-lasting performance:

- **Cleaning:** Use a soft, dry cloth to wipe down the subwoofer cone and surround. Avoid using harsh chemicals or abrasive cleaners.
- **Inspection:** Periodically inspect the subwoofer for any signs of damage to the cone, surround, or wiring connections. Ensure all mounting screws are secure.
- **Environment:** Protect the subwoofer from extreme temperatures, direct sunlight, and moisture.

7. TROUBLESHOOTING

If you encounter issues with your GTR64 subwoofer, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
No Sound	<ul style="list-style-type: none"> Loose or incorrect wiring Amplifier not powered on or in protect mode Head unit settings incorrect 	<ul style="list-style-type: none"> Check all wiring connections for proper polarity and secure fit. Verify amplifier power, ground, and remote turn-on connections. Check amplifier fuses. Ensure subwoofer output is enabled and volume is up on the head unit.
Distorted Sound	<ul style="list-style-type: none"> Amplifier gain set too high Clipping from head unit or amplifier Subwoofer over-driven 	<ul style="list-style-type: none"> Reduce amplifier gain until distortion disappears. Check head unit output for distortion. Lower overall volume.
Weak Bass Output	<ul style="list-style-type: none"> Incorrect wiring (e.g., out of phase) Crossover settings too high or too low Insufficient amplifier power 	<ul style="list-style-type: none"> Verify correct wiring polarity. Adjust LPF settings on amplifier or head unit. Ensure amplifier power matches subwoofer RMS rating (300W ideal, 200W-400W range).

If the problem persists after attempting these solutions, please contact Massive Audio customer support or a certified car audio technician.

8. SPECIFICATIONS

Detailed technical specifications for the Massive Audio GTR64 Subwoofer:

Feature	Detail
Model Name	HIPPOXL124 (Note: Product title refers to GTR64, model name from specs is HIPPOXL124. Assuming GTR64 is the series/marketing name for this model.)
Speaker Type	Subwoofer
Recommended Uses	For Car Audio
Woofers Diameter	6.5 Inches
Impedance	Dual 4 Ohms
RMS Power Range	200W-400W (300W ideal)
Peak Power	600W
Voice Coil	1.5" Hi-Temp, Dual Impedance
Magnet Type	Dual Stacked High Flux Y30 120oz Strontium Ferrite
Cone Material	Textured Non-Pressed Pulp with Resin
Surround Material	Custom High Roll Foam
Basket Material	Heavy Gauge Steel
Signal-to-Noise Ratio	70 dB
Connectivity Technology	Wired
Product Dimensions	9 x 9 x 9 inches
Item Weight	10.38 pounds
Manufacturer	Massive Audio
UPC	623169611100

9. PRODUCT VIDEO

Watch the official Massive Audio promotional video to see the GTR series subwoofers in action and learn more about their design and performance capabilities.

Your browser does not support the video tag.

Video 9.1: An official promotional video from Massive Audio showcasing the features and performance of their subwoofers, including design elements and installation examples.

10. WARRANTY AND SUPPORT

The Massive Audio GTR64 Subwoofer comes with a Limited Warranty. Please refer to the warranty card included with your product for specific terms and conditions.

For technical support, troubleshooting assistance, or warranty claims, please contact Massive Audio customer service through their official website or the contact information provided in your product packaging.

Manufacturer: Massive Audio

Website: Visit the Massive Audio Store on Amazon

