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## Massive Audio SUMMOXL104

# Massive Audio SUMMOXL104 10-inch Subwoofer Instruction Manual

Model: SUMMOXL104 | Brand: Massive Audio

## 1. INTRODUCTION AND OVERVIEW

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The Massive Audio SUMMOXL104 is a high-performance 10-inch subwoofer designed for car audio systems. It features a dual 4 Ohm voice coil configuration, allowing for flexible wiring options to match various amplifier setups. This subwoofer is engineered to deliver powerful and accurate bass reproduction, enhancing your in-car audio experience. Proper installation and configuration are crucial for optimal performance and longevity.



*Image 1.1: Front view of the Massive Audio SUMMOXL104 10-inch Subwoofer.*

## **2. PACKAGE CONTENTS**

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Verify that all items are present in the package before proceeding with installation.

- Massive Audio SUMMOXL104 10 Inch Subwoofer (1 unit)

## **3. SPECIFICATIONS**

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Refer to the following specifications for detailed information about your SUMMOXL104 subwoofer:

Feature	Specification
Brand	Massive Audio
Model Number	SUMMOXL104
Subwoofer Diameter	10 Inches
Peak Power Handling	3000 Watts
RMS Power Handling	1500 Watts
Impedance	Dual 4 Ohms
Frequency Response	250 Hz (Upper Limit)
Mounting Depth	6.81 inches
Mounting Width	9.21 inches
Item Dimensions (D x W x H)	10.6"D x 10.6"W x 7.4"H
Item Weight	11.9 Pounds
Enclosure Material	Aluminum
Connectivity Technology	Wired

The subwoofer features a red stitched edge to the cone for added strength and a black anodized one-piece pole-plate for enhanced motor force.



Image 3.1: Top view highlighting the cone and surround construction.

## 4. SETUP AND INSTALLATION

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

### 4.1 Enclosure Requirements

The SUMMOXL104 subwoofer requires a suitable enclosure for optimal sound reproduction. Consult with a car audio specialist or refer to recommended enclosure designs for sealed or ported configurations that match the subwoofer's parameters and your vehicle's acoustics.

### 4.2 Wiring Configurations

The SUMMOXL104 features a dual 4 Ohm voice coil. This allows for several wiring options to achieve different final impedance loads at your amplifier. Common configurations include:

- **1 Ohm Load:** Wire both 4 Ohm voice coils in parallel.
- **8 Ohm Load:** Wire both 4 Ohm voice coils in series.

Ensure your amplifier is stable and capable of driving the chosen impedance load. Incorrect wiring can damage both the subwoofer and the amplifier.

### 4.3 Mounting

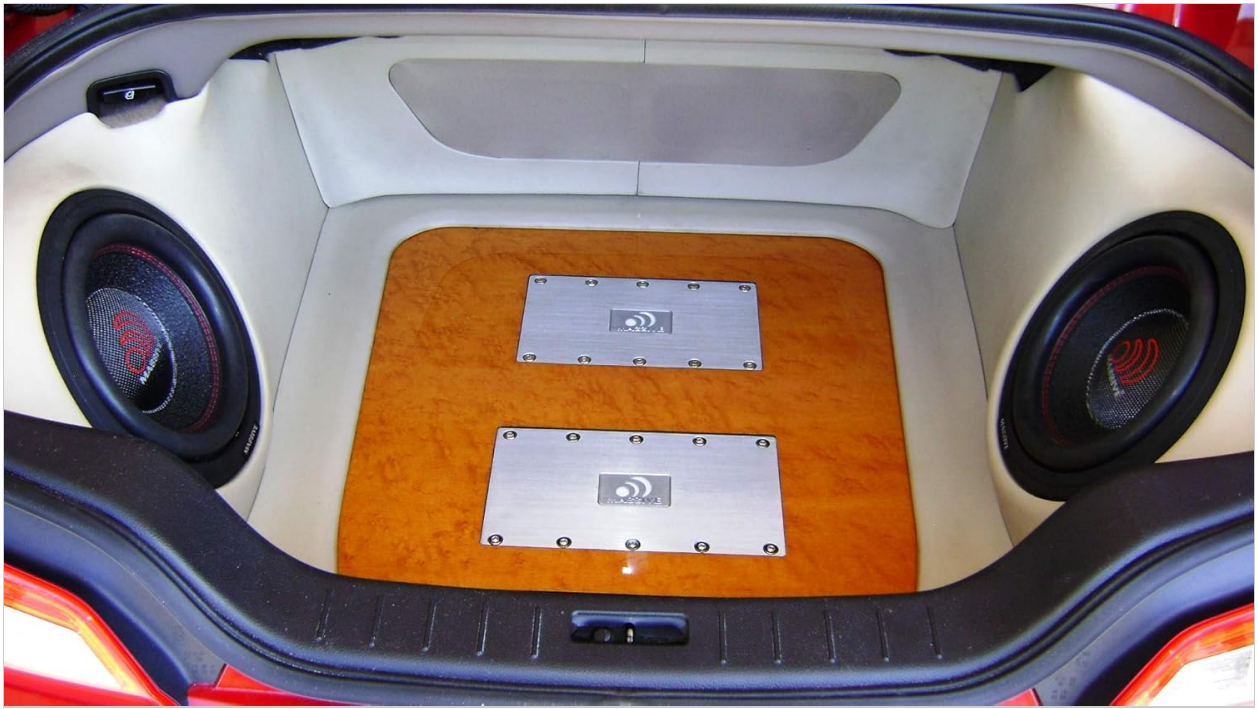
Securely mount the subwoofer within its enclosure using appropriate hardware. Ensure there is adequate clearance for the subwoofer's excursion and that the mounting surface is rigid to prevent vibrations and rattles.



*Image 4.1: Example of a SUMMOXL104 subwoofer installed in a vehicle trunk.*



*Image 4.2: Multiple SUMMOXL104 subwoofers in a custom installation.*



*Image 4.3: Subwoofers and amplifiers integrated into a trunk setup.*



*Image 4.4: Professional installation of multiple subwoofers.*

## **5. OPERATING INSTRUCTIONS**

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### **5.1 Break-in Period**

Allow a break-in period of approximately 20-30 hours of normal listening at moderate volumes before operating the subwoofer at its maximum potential. This allows the suspension components to loosen and achieve optimal performance.

### **5.2 Amplifier Matching and Gain Settings**

Ensure your amplifier's RMS power output matches the subwoofer's RMS power handling (1500 Watts). Set the amplifier gain correctly to prevent clipping and distortion, which can damage the subwoofer. Use a digital multimeter or an oscilloscope for accurate gain setting, or consult a professional.

### 5.3 Crossover Settings

Utilize your amplifier's or head unit's low-pass filter (LPF) to send only low frequencies to the subwoofer. A typical LPF setting for a 10-inch subwoofer is between 60Hz and 100Hz, with a slope of 12dB or 24dB per octave. Adjust this setting to blend seamlessly with your main speakers.

## 6. MAINTENANCE

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The SUMMOXL104 subwoofer requires minimal maintenance. Periodically inspect the subwoofer for any signs of damage to the cone, surround, or dust cap. Ensure all wiring connections are secure and free from corrosion. Clean the subwoofer's exterior with a soft, dry cloth. Avoid using harsh chemicals or excessive moisture.

## 7. TROUBLESHOOTING

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If you experience issues with your subwoofer, perform the following basic checks:

- **No Sound:** Check all power, ground, and signal connections. Verify the amplifier is powered on and not in protection mode. Ensure the head unit is sending an audio signal.
- **Distorted Sound:** Reduce amplifier gain. Check for proper crossover settings. Inspect the subwoofer cone and surround for physical damage. Ensure the enclosure is sealed properly if it's a sealed design.
- **Weak Bass:** Verify correct wiring impedance for your amplifier. Check amplifier gain and crossover settings. Ensure the enclosure volume is appropriate for the subwoofer.
- **Overheating:** Ensure adequate ventilation for the amplifier. Verify the impedance load is within the amplifier's stable operating range. Reduce prolonged high-volume playback.

If problems persist after performing these checks, consult a qualified car audio technician.

## 8. OFFICIAL PRODUCT VIDEO

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Watch the official product video for an overview of Massive Audio products and their applications.

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*Video 8.1: Massive Audio promotional video showcasing various products and installations.*

## 9. WARRANTY AND SUPPORT

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The Massive Audio SUMMOXL104 subwoofer comes with a **1-Year Limited Warranty** from the date of purchase. This warranty covers manufacturing defects under normal use. It does not cover damage caused by improper installation, abuse, accident, neglect, or unauthorized modifications.

For warranty claims or technical support, please contact Massive Audio customer service through their official website or authorized dealers. Keep your proof of purchase for warranty validation.

