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Massive Audio SUMMOXL154

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1. INTRODUCTION

This manual provides essential information for the proper installation, operation, and maintenance of your Massive Audio SUMMO XL Series 15" 3000W Dual 4 Ohm Subwoofer. Please read this manual thoroughly before attempting installation or use to ensure optimal performance and longevity of your product.

Your browser does not support the video tag.

Video: Massive Audio SUMMOXL154 Product Preview. This video provides a visual overview of the subwoofer's design and key features.

2. PRODUCT FEATURES

- Heavy Duty, Rugged Industrial Textured Cast Aluminum Basket
- 250 oz High Energy Double Stack Strontium Magnet Structure
- Dual Impedance Black Anodized Voice Coil Former with Kevlar Spunlace
- Kevlar Fiber Reinforced Non-Pressed Paper Cone with Industrial Textured Finish



Image: Side view of the SUMMOXL154 subwoofer, highlighting the robust cast aluminum basket and durable construction.

3. SPECIFICATIONS

Specification	Detail
Model Name	SUMMOXL154
Speaker Type	Subwoofer
Subwoofer Diameter	15 Inches
Speaker Maximum Output Power	3000 Watts
Material	Aluminum
Item Weight	37 Pounds
Product Dimensions	15"D x 10"W x 15"H
Frequency Response	250 Hz
Signal-to-Noise Ratio	93.8 dB
Connectivity Technology	Wired
Color	Black



Image: Top view of the SUMMOXL154 subwoofer's magnet, displaying the model number and 3000W MAX power rating.

4. WHAT'S IN THE BOX

- 1 x Massive Audio SUMMOXL154-15 Inch Car Audio Subwoofer



Image: The packaging box for the Massive Audio SUMMOXL154 subwoofer, indicating the model and brand.

5. SETUP

Proper wiring is crucial for the performance and safety of your subwoofer and amplifier. The SUMMOXL154 features a Dual Voice Coil (DVC) with 4 Ohm impedance per coil. Below are common wiring configurations for a single DVC 4 Ohm subwoofer.

5.1. Single Subwoofer Wiring (DVC 4 Ohm)

For a single DVC 4 Ohm subwoofer, you have two primary wiring options to achieve different final impedances:

- **Parallel Wiring (2 Ohm Load):** Connect the positive terminal of Voice Coil 1 to the positive terminal of Voice Coil 2. Connect the negative terminal of Voice Coil 1 to the negative terminal of Voice Coil 2. Then, connect the combined positive terminals to the amplifier's positive output and the combined negative terminals to the amplifier's negative output. This results in a 2 Ohm load.
- **Series Wiring (8 Ohm Load):** Connect the positive terminal of Voice Coil 1 to the amplifier's positive output. Connect the negative terminal of Voice Coil 1 to the positive terminal of Voice Coil 2. Connect the negative terminal of Voice Coil 2 to the amplifier's negative output. This results in an 8 Ohm load.

Always ensure your amplifier is stable at the final impedance load. Refer to your amplifier's manual for compatible impedance ratings.

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Video: Wiring for 1 DVC 2 Ohm Subwoofer. This video demonstrates wiring concepts for a single DVC subwoofer, which can be adapted for your DVC 4 Ohm SUMMOXL154 by understanding the principles of series and parallel connections.

5.2. Multiple Subwoofer Wiring

If you are installing multiple SUMMOXL154 subwoofers, you will need to consider series, parallel, or series-parallel wiring configurations to achieve the desired final impedance for your amplifier. It is critical to match the final impedance to your amplifier's stable operating range to prevent damage.

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Video: Wiring for 2 DVC 2 Ohm Subwoofers. This video illustrates wiring two DVC subwoofers, providing a visual guide for complex impedance matching scenarios.

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Video: Wiring Configuration for 2 DVC 1 Ohm Subwoofers. This video further demonstrates wiring multiple DVC subwoofers, offering additional examples for various impedance outcomes.

It is highly recommended to consult a professional car audio installer if you are unsure about wiring multiple subwoofers or matching impedances.

6. OPERATING INSTRUCTIONS

After successful installation, follow these guidelines for optimal operation:

- **Break-in Period:** Allow a break-in period of approximately 10-20 hours of normal listening before operating the subwoofer at maximum volume. This allows the suspension components to loosen up and perform optimally.
- **Volume Control:** Gradually increase the volume to avoid distortion. If you hear any distortion, reduce the volume immediately.
- **Amplifier Settings:** Ensure your amplifier's gain, crossover, and bass boost settings are properly configured to prevent damage to the subwoofer. Consult your amplifier's manual for detailed instructions.

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Video: Demonstration of a powerful subwoofer in a car. This video showcases the impact of a high-performance subwoofer, similar to the SUMMOXL154, when properly installed and operated.

7. MAINTENANCE

To keep your subwoofer in optimal condition:

- **Cleaning:** Use a soft, dry cloth to clean the subwoofer. Avoid using harsh chemicals or abrasive cleaners.
- **Inspection:** Periodically check the wiring connections to ensure they are secure and free from corrosion.
- **Environment:** Protect the subwoofer from extreme temperatures, moisture, and direct sunlight.

8. TROUBLESHOOTING

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

- **No Sound:** Check all wiring connections (power, ground, remote, signal, speaker). Ensure the amplifier is powered on and not in protection mode. Verify the audio source is functioning.

- **Distorted Sound:** Reduce the amplifier gain. Check for proper crossover settings. Ensure the subwoofer is not overdriven. Inspect for damaged speaker cones or surrounds.
- **Overheating:** Ensure proper ventilation around the amplifier. Verify the impedance load matches the amplifier's specifications. Reduce prolonged high-volume usage.
- **Weak Bass:** Check amplifier gain and bass boost settings. Verify correct phase setting. Ensure the enclosure is properly sealed and sized for the subwoofer.

If problems persist, consult a professional car audio technician or contact Massive Audio support.

9. WARRANTY INFORMATION

The Massive Audio SUMMOXL154 Subwoofer comes with a Limited Warranty. For specific terms and conditions, please refer to the warranty card included with your product or visit the official Massive Audio website.

10. SUPPORT

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