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› Audio To Go ATG15W5000 15-inch Subwoofer Instruction Manual

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Model: ATG15W5000

1. INTRODUCTION

Thank you for choosing the Audio To Go ATG15W5000 15-inch Subwoofer. This manual provides essential information for the proper installation, operation, and maintenance of your subwoofer. Please read this manual thoroughly before installation and use to ensure optimal performance and longevity of your product.

The ATG15W5000 is designed to deliver powerful and accurate bass reproduction for your car audio system. Its robust construction and advanced features ensure a high-quality audio experience.



Image 1.1: Front view of the ATG15W5000 15-inch subwoofer.

2. SAFETY INFORMATION

Always observe the following safety precautions during installation and operation:

- Disconnect the vehicle's battery negative terminal before beginning any electrical work.
- Ensure all wiring is properly insulated to prevent short circuits.
- Use appropriate gauge wiring for power and speaker connections to handle the subwoofer's power requirements.
- Mount the subwoofer securely to prevent movement during vehicle operation.
- Avoid exposing the subwoofer to excessive moisture or extreme temperatures.
- Prolonged exposure to high sound pressure levels can cause permanent hearing damage.

3. PACKAGE CONTENTS

Verify that all items are present in the package:

- 1 x ATG15W5000 15-inch Subwoofer
- Instruction Manual (this document)

4. PRODUCT FEATURES

The ATG15W5000 subwoofer incorporates several design elements for superior performance:

- **Powerful Performance:** Capable of handling 5000 watts of peak power and 1500 watts of RMS power.
- **Accurate Bass Reproduction:** Features a 3-inch 4-layer aluminum 4 Ω DVC (Dual Voice Coil) voice coil for precise sound.
- **Deep, Rich Bass:** Achieved through a high-excursion foam surround, compressed paper cone, and injection molded PP dust cap.
- **Durable Construction:** Built with a heavy-gauge stamped steel basket and a high-temperature voice coil former for reliability.



Image 4.1: Angled view highlighting the subwoofer's cone and surround.

5. SETUP AND INSTALLATION

Proper installation is crucial for the performance and safety of your subwoofer. If you are unsure about any part of the installation process, consult a professional car audio installer.

5.1 Enclosure Requirements

The ATG15W5000 is designed for use in a sealed or ported enclosure. The optimal enclosure volume will depend on your desired sound characteristics and vehicle acoustics. Refer to the subwoofer's Thiele-Small parameters (not provided in this manual, typically found in a separate specification sheet) for precise enclosure design.

- Ensure the enclosure is rigid and airtight (for sealed enclosures) to prevent air leaks and vibrations.
- Mount the subwoofer securely to the enclosure using appropriate screws and gaskets.

5.2 Wiring Connections

The ATG15W5000 features a Dual Voice Coil (DVC) with a 4-Ohm impedance per coil. This allows for flexible wiring configurations to match your amplifier's capabilities.

Important: Always ensure your amplifier is stable at the final impedance load. Incorrect wiring can damage your amplifier or subwoofer.

5.2.1 Parallel Wiring (2 Ohms)

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 to the amplifier's positive output and the combined negative to the amplifier's negative output. This configuration results in a 2-Ohm load.

5.2.2 Series Wiring (8 Ohms)

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 configuration results in an 8-Ohm load.



Image 5.1: Subwoofer terminals for wiring connections.

6. OPERATING INSTRUCTIONS

Once installed, follow these guidelines for optimal operation:

6.1 Amplifier Matching

Ensure your amplifier's RMS power output matches the subwoofer's RMS power handling (1500W). Using an underpowered amplifier can lead to clipping and damage the subwoofer. An overpowered amplifier can also damage the subwoofer if not used responsibly.

6.2 Break-in Period

Allow a break-in period of approximately 20-30 hours of normal listening before operating the subwoofer at high volumes. This allows the suspension components (surround and spider) to loosen up and reach their optimal compliance, improving sound quality and longevity.

6.3 Crossover Settings

Set your amplifier's low-pass filter (LPF) to a suitable frequency, typically between 60Hz and 100Hz, to ensure the subwoofer only reproduces low frequencies. A subsonic filter (high-pass filter for the subwoofer) set around 20-30Hz is also recommended to protect the subwoofer from playing frequencies below its effective range.

7. MAINTENANCE

The ATG15W5000 requires minimal maintenance to ensure 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 subwoofer for any signs of damage to the cone, surround, or dust cap. Ensure all mounting screws remain tight.
- **Environment:** Keep the subwoofer in a stable environment, protected from direct sunlight, extreme temperatures, and moisture.

8. TROUBLESHOOTING

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

Problem	Possible Cause	Solution
No Sound	No power to amplifier, amplifier in protect mode, incorrect wiring, faulty signal cable.	Check amplifier power and ground connections. Verify remote turn-on. Inspect all speaker and RCA cables for proper connection and continuity. Check amplifier fuses.
Distorted Sound	Amplifier gain set too high, incorrect crossover settings, damaged subwoofer, poor enclosure.	Reduce amplifier gain. Adjust LPF and subsonic filter settings. Inspect subwoofer cone and surround for damage. Ensure enclosure is sealed and rigid.
Weak Bass Output	Incorrect wiring impedance, amplifier underpowered, phase issues, incorrect enclosure.	Verify wiring impedance matches amplifier. Ensure amplifier RMS output is sufficient. Check phase setting on amplifier. Review enclosure design.

If the problem persists after attempting these solutions, contact customer support.

9. SPECIFICATIONS

The following are the technical specifications for the ATG15W5000 15-inch Subwoofer:

Model Number	ATG15W5000
Size	15 inches
Peak Power Handling	5000 Watts
RMS Power Handling	1500 Watts
Voice Coil	3-inch 4-layer aluminum DVC
Nominal Impedance	4 Ohms per coil (DVC)
Surround Material	High-excursion foam
Cone Material	Compressed paper

Dust Cap	Injection molded PP
Basket Type	Heavy-gauge stamped steel
Item Weight	23.7 pounds
Product Dimensions	17.5 x 15.39 x 7.87 inches

10. WARRANTY INFORMATION

The ATG15W5000 subwoofer is covered by a **1-Year Manufacturer Warranty** from the date of purchase. This warranty covers defects in materials and workmanship under normal use.

The warranty does not cover damage resulting from improper installation, abuse, accident, neglect, unauthorized repair, or modification. Proof of purchase is required for all warranty claims.

11. CUSTOMER SUPPORT

For technical assistance, warranty claims, or further inquiries regarding your Audio To Go ATG15W5000 subwoofer, please refer to the contact information provided with your purchase or visit the official Audio To Go website.

When contacting support, please have your product model number (ATG15W5000) and proof of purchase readily available.

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

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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

