

Gravity GW15D-Single

Gravity Warzone 15 Inch Car Audio Subwoofer Instruction Manual

Model: GW15D-Single | Brand: Gravity

1. INTRODUCTION

Thank you for choosing the Gravity Warzone 15 Inch Car Audio Subwoofer. This high-performance subwoofer is designed to deliver powerful and clear bass, enhancing your vehicle's audio system. Please read this manual thoroughly before installation and operation to ensure proper use and maximize the lifespan of your product.



Figure 1: Gravity Warzone 15 Inch Car Audio Subwoofer, showcasing its robust design and green accent stitching.

2. SETUP AND INSTALLATION

2.1 Unpacking

Carefully remove the subwoofer from its packaging. Inspect the unit for any signs of damage that may have occurred during shipping. If any damage is found, contact your retailer immediately.

2.2 Recommended Enclosure

For optimal performance, it is highly recommended to install this subwoofer in a properly designed and constructed sealed or ported enclosure. Consult a professional car audio installer or refer to specialized audio resources for appropriate enclosure volume and port tuning for a 15-inch subwoofer.

2.3 Wiring Connections

The Gravity Warzone subwoofer features a Dual Voice Coil (DVC) design with 4 Ohm impedance per voice coil. Proper wiring is crucial for optimal performance and to prevent damage to the subwoofer or amplifier. Ensure your amplifier is

stable at the chosen impedance.



Figure 2: Close-up view of the subwoofer's dual voice coil terminals, showing the positive and negative connections for each coil.

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 amplifier's positive output to the combined positive terminals and the amplifier's negative output to the combined negative terminals. This configuration 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 configuration results in an 8 Ohm load.

Always ensure all connections are secure and free from short circuits. Use appropriate gauge wiring for power and speaker connections.

3. OPERATING GUIDELINES

3.1 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, improving performance and longevity.

3.2 Amplifier Matching

This subwoofer has a peak power handling of 3500 Watts. Ensure your amplifier's RMS power output is appropriately matched to the subwoofer's RMS power handling to prevent underpowering or overpowering, both of which can cause damage. Underpowering can be as damaging as overpowering due to amplifier clipping.

3.3 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 this subwoofer would be between 80Hz and 120Hz, depending on your full-range speakers and personal preference. Avoid sending full-range audio signals to the subwoofer.

4. MAINTENANCE

The Gravity Warzone subwoofer requires minimal maintenance. Keep the cone and surround free from dust and debris. Periodically check all wiring connections to ensure they remain secure. Avoid exposing the subwoofer to excessive moisture or extreme temperatures, as it is not waterproof.

5. TROUBLESHOOTING

Problem	Possible Cause	Solution
No Sound from Subwoofer	<ul style="list-style-type: none">Loose or incorrect wiringAmplifier in protect modeHead unit settings incorrectDamaged subwoofer voice coil	<ul style="list-style-type: none">Check all wiring connections for security and correct polarity.Verify amplifier power and ground connections. Reset amplifier if in protect mode.Ensure subwoofer output is enabled and volume is up on head unit.Test subwoofer with a known good amplifier or test voice coil resistance with a multimeter.
Distorted Sound	<ul style="list-style-type: none">Gain set too high on amplifierCrossover settings incorrectUnderpowering (amplifier clipping)Damaged voice coil or suspension	<ul style="list-style-type: none">Adjust amplifier gain to match head unit output.Verify LPF setting is appropriate (e.g., 80-120Hz).Ensure amplifier provides sufficient RMS power.Inspect subwoofer cone and surround for tears or damage.

Problem	Possible Cause	Solution
Weak Bass Output	<ul style="list-style-type: none">• Incorrect enclosure volume• Phase issues• Low-pass filter set too low	<ul style="list-style-type: none">• Verify enclosure volume matches manufacturer recommendations.• Check phase switch on amplifier/head unit.• Adjust LPF to a higher frequency (e.g., 100Hz).

6. SPECIFICATIONS



Figure 3: Top view of the Gravity Warzone Subwoofer, highlighting the pressed paper cone and high roll foam surround.

- **Model:** GW15D-Single
- **Speaker Type:** Car Subwoofer
- **Woofer Diameter:** 15 Inches

- **Peak Power Handling:** 3500 Watts
- **Impedance:** 4 Ohm Dual Voice Coil (DVC)
- **Material:** Pressed Paper Cone
- **Surround:** High Roll Foam Surround
- **Cooling System:** Advanced Air Flow Cooling System
- **Frequency Response:** 30 - 500Hz
- **Sensitivity:** 85 dB
- **Connectivity Technology:** Wired
- **Item Weight:** 28.3 pounds

7. WARRANTY AND SUPPORT

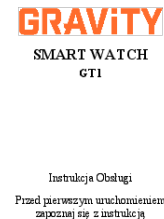

Gravity products are designed for durability and performance. For information regarding warranty coverage, terms, and conditions, please refer to the warranty card included with your product or visit the official Gravity website. For technical support or service inquiries, please contact Gravity customer service through their official channels.


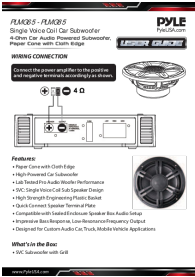

Please retain your proof of purchase for warranty claims.



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Related Documents - GW15D-Single

	<p>Gravity GT1 Smartwatch User Manual</p> <p>Comprehensive user manual for the Gravity GT1 smartwatch. This guide covers initial setup, charging, pairing with your smartphone, navigating features, and basic troubleshooting.</p>
	<p>Gravity SP 3202 Studio Monitor Speaker Stand: Safety, Features, and Specifications</p> <p>Comprehensive guide for the Gravity SP 3202 studio monitor speaker stand, covering safety instructions, features, detailed specifications, warranty information, and proper disposal. Includes textual descriptions of visual elements.</p>

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<div data-bbox="116 1068 311 1344"></div>	<div data-bbox="341 1135 1302 1162">Pyle PLMW63/PLMW83 SVC Car Subwoofer User Guide & Technical Specifications</div> <div data-bbox="341 1176 1414 1285"><p>Comprehensive user guide and technical specifications for the Pyle PLMW63 (6.5-inch) and PLMW83 (8-inch) Single Voice Coil car subwoofers. Includes wiring instructions, features, and detailed specs.</p></div>