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Gravity G712D2

Gravity Warzone G712D2 12-Inch Car Subwoofer Instruction Manual

INTRODUCTION

Thank you for choosing the Gravity Warzone G712D2 12-inch car subwoofer. This manual provides essential information for the proper installation, operation, and maintenance of your new subwoofer. Please read this manual thoroughly before attempting installation or operation to ensure optimal performance and safety.



Image: Gravity Warzone G712D2 12-inch subwoofer, angled view, showcasing its design and construction.

PRODUCT FEATURES

- **High Performance:** 4800 Watts Peak Power for each subwoofer (Dual Voice Coil configuration).
- **Impedance:** 2 Ohm Dual Voice Coil (DVC) design for flexible wiring options.
- **Cone Material:** Competition Grade Pressed Paper Cone for accurate bass reproduction.
- **Surround:** High Roll Foam Surround for extended excursion and durability.
- **Cooling System:** Advanced Air Flow Cooling System to maintain optimal operating temperatures.
- **Frequency Response:** 35 - 500Hz.
- **Sensitivity:** 88 dB.

SAFETY INFORMATION

Always observe the following safety precautions during installation and operation:

- Disconnect the vehicle's battery negative terminal before starting any electrical work.
- Ensure all wiring is properly insulated and secured to prevent short circuits and damage.
- Use appropriate gauge wiring for power, ground, and speaker connections to handle the subwoofer's power requirements.
- Mount the subwoofer securely within a suitable enclosure to prevent movement during vehicle operation.
- Avoid exposing the subwoofer to excessive moisture or extreme temperatures.
- Do not operate the subwoofer at distortion levels, as this can cause permanent damage to the speaker and amplifier.

PACKAGE CONTENTS

Verify that all items are present in the package:

- One (1) Gravity Warzone G712D2 12-Inch Subwoofer
- Instruction Manual (this document)

SETUP

1. Enclosure Selection and Mounting

The G712D2 subwoofer requires a properly designed and constructed enclosure for optimal performance. Consult with a car audio professional or use a reputable enclosure design calculator to determine the ideal sealed or ported enclosure volume for your specific application.



Image: Side view of the G712D2 subwoofer, illustrating its mounting depth.

Once the enclosure is ready, carefully mount the subwoofer using appropriate screws, ensuring a tight, airtight seal between the subwoofer frame and the enclosure baffle.

2. Wiring the Subwoofer

The G712D2 features a Dual Voice Coil (DVC) design with two 2-Ohm voice coils. This allows for flexible wiring configurations to match your amplifier's impedance requirements. Common configurations include:

- **1 Ohm Load:** Wire the two 2-Ohm voice coils in parallel. This configuration is suitable for amplifiers stable at 1 Ohm.
- **4 Ohm Load:** Wire the two 2-Ohm voice coils in series. This configuration is suitable for amplifiers stable at 4 Ohms.

Refer to your amplifier's manual to determine its stable impedance ratings. Incorrect wiring can damage both the subwoofer and the amplifier.



Image: Rear view of the G712D2 subwoofer, showing the dual voice coil terminals.

Ensure all connections are secure and properly insulated. Use high-quality speaker wire of adequate gauge (e.g., 12-14 gauge for typical installations) to minimize power loss.

OPERATING INSTRUCTIONS

1. Connecting to an Amplifier

Connect the wired subwoofer to the subwoofer output terminals of your car audio amplifier. Ensure polarity is correct (+ to + and - to -) to prevent phase issues.

2. Initial Power-Up and Settings

1. Before powering on, set your amplifier's gain control to its minimum setting.
2. Turn on your car audio system.
3. Play a familiar audio track with strong bass content.
4. Slowly increase the amplifier's gain control until you hear clear, undistorted bass. If distortion occurs, reduce the gain immediately.

5. Adjust the low-pass filter (LPF) on your amplifier or head unit. A common starting point is between 80Hz and 100Hz. This ensures the subwoofer only reproduces low frequencies.

6. Adjust the phase control (if available on your amplifier) to achieve the best blend with your main speakers.

Proper tuning is crucial for sound quality and subwoofer longevity. If you are unsure, consult a professional car audio installer.

MAINTENANCE

The Gravity Warzone G712D2 subwoofer requires minimal maintenance:

- **Cleaning:** Periodically wipe the cone and surround with a soft, dry cloth to remove dust and debris. Avoid using harsh chemicals or excessive moisture.
- **Inspection:** Regularly check all wiring connections for tightness and signs of corrosion. Inspect the subwoofer's surround and cone for any tears or damage.
- **Environment:** Ensure the subwoofer is not exposed to direct sunlight for prolonged periods or extreme temperature fluctuations, which can degrade materials over time.

TROUBLESHOOTING

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

Problem	Possible Cause	Solution
No Sound from Subwoofer	<ul style="list-style-type: none">• No power to amplifier• Loose or incorrect wiring• Amplifier in protect mode• Head unit settings	<ul style="list-style-type: none">• Check amplifier power connections and fuses.• Verify all speaker and RCA connections.• Check amplifier for fault indicators; reset if necessary.• Ensure subwoofer output is enabled and volume is up on head unit.
Distorted Sound	<ul style="list-style-type: none">• Amplifier gain set too high• Incorrect crossover settings• Damaged subwoofer or amplifier• Improper enclosure	<ul style="list-style-type: none">• Reduce amplifier gain.• Adjust LPF to appropriate frequency.• Inspect subwoofer cone/surround for damage.• Ensure enclosure is sealed and correctly sized.
Weak or Muffled Bass	<ul style="list-style-type: none">• Incorrect phase setting• Low amplifier gain• Improper enclosure tuning	<ul style="list-style-type: none">• Adjust phase control on amplifier or head unit.• Increase amplifier gain gradually.• Verify enclosure design and port tuning (if ported).

If these steps do not resolve the issue, consult a professional car audio technician.

SPECIFICATIONS

Detailed technical specifications for the Gravity Warzone G712D2 subwoofer:



Image: Rear view of the G712D2 subwoofer, displaying key specifications.

- **Model Number:** G712D2
- **Brand:** Gravity
- **Subwoofer Diameter:** 12 Inches
- **Speaker Maximum Output Power:** 9600 Watts (System Peak)
- **Impedance:** 2 Ohms (Dual Voice Coil)
- **Frequency Response:** 35 - 500 Hz
- **Sensitivity:** 88 dB
- **Enclosure Material:** Pressed Paper (Cone)
- **Connectivity Technology:** Wired (RCA, Speaker Wire)

- **Mounting Type:** Car Mount (requires enclosure)
- **Specific Uses For Product:** Car Audio
- **Waterproof:** No

WARRANTY

This Gravity Warzone G712D2 subwoofer comes with a Limited Warranty. For specific terms, conditions, and duration of the warranty, please refer to the warranty card included with your purchase or visit the official Gravity website. Retain your proof of purchase for any warranty claims.

SUPPORT

For technical assistance, troubleshooting beyond this manual, or warranty inquiries, please contact Gravity customer support through their official website or the contact information provided with your product documentation.