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Rockville W8T4S4

Rockville W8T4-S4 8-inch Shallow Mount Car Subwoofer Instruction Manual

Introduction

Thank you for purchasing the Rockville W8T4-S4 8-inch Shallow Mount Car Subwoofer. This manual provides important information regarding the installation, operation, and maintenance of your subwoofer. Please read it thoroughly to ensure proper use and optimal performance.

Safety Instructions

- Always disconnect the vehicle's battery before performing any electrical work.
- Ensure all wiring connections are secure and properly insulated to prevent short circuits.
- Mount the subwoofer securely to prevent movement during vehicle operation.
- Avoid exposing the subwoofer to excessive moisture or extreme temperatures.
- If you are unsure about any installation steps, consult a professional car audio installer.

Package Contents

The package includes the following items:

- Two (2) Rockville W8T4-S4 8-inch Shallow Mount Car Subwoofers



Image: The retail packaging box for the Rockville W8T4-S4 subwoofers, indicating the model number.

Features

- High-Power Performance: Delivers 1000-Watt peak power and 250-Watt RMS (CEA-rated) per subwoofer.
- Shallow Mount Design: Compact 8-inch subwoofer designed for installation in tight spaces or slim enclosures.
- Versatile 4-Ohm Impedance: Compatible with most car audio amplifiers, supporting flexible wiring configurations.
- High-Excursion Cone: Engineered to produce accurate and defined bass response.
- Durable Build: Reinforced construction for sustained performance and longevity.

Setup and Installation

Proper installation is crucial for the performance and longevity of your subwoofer. Consider professional installation if you are unfamiliar with car audio wiring and mounting procedures.

Mounting

The W8T4-S4 features a shallow mount design, allowing for installation in various compact locations. Ensure the mounting surface is sturdy and free from obstructions. The subwoofer requires a cutout diameter of 7 inches and a mounting depth of 2.5 inches.



Image: An angled view of the Rockville W8T4-S4 subwoofer, highlighting its shallow profile.



Image: A side profile view of the Rockville W8T4-S4 subwoofer, demonstrating its minimal mounting depth.

Wiring

The W8T4-S4 is a Single Voice Coil (SVC) 4-Ohm subwoofer. Proper wiring to your amplifier is essential. Refer to your amplifier's manual for specific wiring diagrams and impedance matching recommendations. The subwoofer features dual nickel-plated spring-loaded push terminals for secure connections.



Image: Rear view of the Rockville W8T4-S4 subwoofer, showing the wiring terminals and magnet structure.

Enclosure Recommendations

The type and size of the enclosure significantly impact subwoofer performance. The following are general recommendations:

- **Sealed Enclosure:** Recommended volume range is 0.35 to 0.85 cubic feet.
- **Vented Enclosure (Tuned at 35Hz):** Not recommended.
- **Vented Enclosure (Tuned at 45Hz):** Recommended volume range is 1.00 to 2.00 cubic feet.

Operating

Once installed, ensure your amplifier settings (gain, crossover, bass boost) are properly adjusted to match the subwoofer's capabilities and your vehicle's acoustics. Start with low gain settings and gradually increase them while listening for distortion. Avoid overdriving the subwoofer, which can lead to damage.



Image: Front view of the Rockville W8T4-S4 subwoofer, showcasing the cone and surround.

Maintenance

The Rockville W8T4-S4 subwoofer requires minimal maintenance. Keep the cone and surround free from dust and debris. Use a soft, dry cloth for cleaning. Do not apply any liquids directly to the cone or surround. Regularly check wiring connections for tightness and corrosion.

Troubleshooting

Problem	Possible Cause	Solution

Problem	Possible Cause	Solution
No sound from subwoofer	• No power to amplifier • Incorrect wiring • Amplifier in protect mode • Damaged subwoofer	• Check amplifier power connections and fuses. • Verify all wiring connections (speaker, RCA, power). • Check amplifier for fault codes or overheating. • Test subwoofer with another amplifier or check voice coil resistance.
Distorted sound	• Gain set too high • Incorrect crossover settings • Poor enclosure design • Damaged subwoofer	• Reduce amplifier gain. • Adjust low-pass filter on amplifier. • Ensure enclosure meets recommended specifications. • Inspect subwoofer for physical damage.
Subwoofer gets hot	• Overdriving the subwoofer • Improper impedance match • Insufficient ventilation	• Reduce volume or amplifier gain. • Verify amplifier and subwoofer impedance match. • Ensure adequate airflow around the subwoofer and amplifier.

Specifications

- **Model:** W8T4-S4
- **Speaker Size:** 8 Inches
- **Peak Power:** 1000 Watts (per subwoofer)
- **RMS Power (CEA-rated):** 250 Watts (per subwoofer)
- **Impedance:** SVC 4 Ohm
- **Cutout Diameter:** 7 Inches
- **Mounting Depth:** 2.5 Inches
- **Frequency Response:** 39 Hz to 500 Hz
- **Sensitivity:** 90dB @ 1w/1m
- **Voice Coil:** 1.5-inch High Power Voice Coil
- **Magnet Weight:** 33 Oz
- **Washer/Yoke Plates:** 6mm Machined Steel
- **X-Max:** 8.4mm Peak-to-Peak
- **Recommended Uses:** Car Audio Systems
- **Connectivity Technology:** Wired (RCA)

Warranty and Support

The Rockville W8T4-S4 subwoofer comes with a limited warranty. For specific warranty terms and conditions, please refer to the warranty card included with your product or contact Rockville customer support. If you require technical assistance or have questions regarding your subwoofer, please visit the official Rockville website or contact their customer service department.

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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.

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