Saved from manuals.plus.
Open the live page for links to other documents and user manuals.

Skar Audio SDR-8 D2

Skar Audio SDR-8 D2 8" Dual 2 Ohm Car Subwoofer Instruction Manual

Model: SDR-8 D2 | Brand: Skar Audio

Introduction

This manual provides essential information for the proper installation, operation, and maintenance of your Skar Audio SDR-8 D2 8-inch dual 2 Ohm car subwoofer. Please read this manual thoroughly before attempting installation or use to ensure optimal performance and safety. The SDR-8 D2 is designed to deliver powerful low-frequency sound in car audio systems.

Safety Information

- Always disconnect the vehicle's battery before performing any electrical work.
- Ensure all wiring is 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.
- Prolonged exposure to high sound pressure levels can cause permanent hearing damage. Use caution when adjusting volume.

What's in the Box

- SDR-8 D2 Subwoofer
- Instruction Manual
- Skar Audio Decal

Setup

Wiring the Dual 2 Ohm Voice Coils

The SDR-8 D2 features dual 2 Ohm voice coils, offering flexibility in wiring configurations to match your amplifier's impedance requirements. Always ensure your amplifier is stable at the chosen impedance.

- **Parallel Wiring (1 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 configuration results in a 1 Ohm load.

- **Series Wiring (4 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 a 4 Ohm load.



Image: Close-up of the subwoofer's wiring terminals, showing the positive and negative connections for each voice coil.

Enclosure and Mounting

The performance of your subwoofer is highly dependent on the enclosure. Consult with a car audio professional or use a reputable enclosure design tool to determine the ideal sealed or ported enclosure volume for your specific application. Ensure the enclosure is robust and free from air leaks.



Image: Angled rear view of the subwoofer, highlighting the robust magnet structure and the mounting flange with screw holes.

When mounting the subwoofer, ensure a secure fit within the enclosure. Use appropriate screws and gaskets to create an airtight seal. Avoid overtightening screws, which can damage the frame.

Operating Instructions

Initial Break-in Period

It is recommended to allow a break-in period for your new subwoofer. During the first 24 hours of use, operate the subwoofer at half to low volume and power levels. This allows the suspension components to loosen and settle, optimizing long-term performance and durability.

Power Handling and Frequency Response

The SDR-8 D2 has a Peak Power rating of 700 Watts and an RMS Power rating of 350 Watts. Its frequency response range is 30 Hz - 350 Hz, with a sensitivity of 83.8 dB. Ensure your amplifier's output matches these specifications to prevent damage and achieve optimal sound quality.



Image: Front view of the Skar Audio SDR-8 D2 subwoofer, showcasing its cone and high-roll foam surround.

Product Overview Video

Your browser does not support the video tag.

Video: An official overview of the Skar Audio SDR Series subwoofers, including the SDR-8, highlighting key features and specifications across the product line.

Maintenance

- Regularly inspect the subwoofer for any signs of damage to the cone, surround, or spider.
- Keep the subwoofer free from dust and debris. Use a soft, dry cloth for cleaning.
- Check wiring connections periodically to ensure they remain secure and free from corrosion.

Troubleshooting

Problem	Possible Cause	Solution

Problem	Possible Cause	Solution
No Sound	Loose wiring, amplifier protection mode, incorrect settings.	Check all connections, verify amplifier status, review head unit settings.
Distorted Sound	Overpowering, improper gain settings, damaged voice coil.	Reduce volume, adjust amplifier gain, inspect subwoofer for physical damage.
Overheating	Improper impedance match, insufficient ventilation, prolonged high power.	Verify wiring impedance, ensure adequate airflow around amplifier, reduce listening levels.

Specifications

Feature	Detail
Model Name	SDR-8 D2
Speaker Type	Subwoofer
Subwoofer Diameter	8 Inches
Peak Power	700 Watts
RMS Power	350 Watts
Impedance	Dual 2 Ohms
Frequency Response	30 Hz - 350 Hz
Sensitivity	83.8 dB
Voice Coil Size	2" 4-Layer High Temperature Copper
Material	Metal (Frame), Pressed Paper (Cone), High Roll Foam (Surround)
Product Dimensions	9.75 x 9.75 x 7.5 inches
Item Weight	9.94 pounds

Warranty Information

The Skar Audio SDR-8 D2 subwoofer comes with a Limited Warranty. For specific terms, conditions, and duration of the warranty, please refer to the warranty card included with your product or visit the official Skar Audio website. Keep your proof of purchase for warranty claims.

Support

If you encounter any issues not covered in this manual or require further assistance, please contact Skar Audio customer support. You can find contact information on the official Skar Audio website or through your authorized dealer.

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

Anonymous

Email

you@example.com

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

Open the live page

https://manuals.plus/asin/B07JFF6TQK

More documents and user manuals: **https://manuals.plus/**