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› Skar Audio IX-8 D4 8-inch Dual 4 Ohm Car Subwoofer Instruction Manual

## Skar Audio IX-8 D4

# Skar Audio IX-8 D4 8-inch Dual 4 Ohm Car Subwoofer Instruction Manual

Model: IX-8 D4 | Brand: Skar Audio

### INTRODUCTION

Thank you for choosing the Skar Audio IX-8 D4 8-inch Dual 4 Ohm 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.



Figure 1: Front view of the Skar Audio IX-8 D4 8-inch Dual 4 Ohm Car Subwoofer.

## SAFETY INFORMATION

Always observe the following safety precautions during installation and operation:

- Disconnect the vehicle's battery before beginning any electrical work.
- Wear appropriate safety gear, including eye protection.
- Ensure all wiring is properly insulated and secured to prevent short circuits and damage.
- Do not expose the subwoofer to excessive moisture or extreme temperatures.
- Avoid operating the subwoofer at distortion levels, as this can cause permanent damage.
- Consult a professional car audio installer if you are unsure about any part of the installation process.

## PACKAGE CONTENTS

Verify that all items are present in the package:

- One (1) Skar Audio IX-8 D4 8-inch Dual 4 Ohm Car Subwoofer
- Mounting hardware (screws)
- User documentation (this manual)

## SETUP AND INSTALLATION

### Enclosure Recommendations

The Skar Audio IX-8 D4 subwoofer is designed for optimal performance in a custom-built enclosure. Consult a car audio specialist or online resources for recommended sealed or ported enclosure designs that match the subwoofer's Thiele-Small parameters for your specific application.

### Mounting the Subwoofer

Ensure the mounting surface is sturdy and free from obstructions. Use the provided mounting hardware to secure the subwoofer firmly into the enclosure. Do not overtighten screws, as this can damage the subwoofer frame.



Figure 2: Side view of the subwoofer, illustrating the mounting flange and terminals.

### Wiring Configurations (Dual 4 Ohm Voice Coils)

The IX-8 D4 features dual 4-ohm voice coils, offering flexibility in wiring to achieve different impedance loads for

your amplifier. Always match the subwoofer's final impedance to your amplifier's stable operating impedance.

### 1. Series Wiring for 8 Ohm Load

Connect the positive terminal of Voice Coil 1 to the negative terminal of Voice Coil 2. Connect the amplifier's positive output to the positive terminal of Voice Coil 2, and the amplifier's negative output to the negative terminal of Voice Coil 1. This configuration results in an 8-ohm load.

### 2. Parallel Wiring for 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. 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.

Refer to your amplifier's manual to ensure it is stable at the chosen impedance. Incorrect wiring can damage both the subwoofer and the amplifier.



Figure 3: Subwoofer dimensions for enclosure planning.

## OPERATING INSTRUCTIONS

### Initial Power-Up and Break-In

After installation, gradually increase the volume and bass levels during the first few hours of use. This allows the subwoofer's suspension components to break in and reach their optimal performance. Avoid playing the subwoofer at maximum volume or with excessive bass for extended periods during this initial phase.

### Amplifier Settings

- **Gain Setting:** Set the amplifier gain to match the output voltage of your head unit. Do not use the gain control as a volume knob; it should be set to prevent distortion at your desired listening level.
- **Low-Pass Filter (LPF):** Set the LPF on your amplifier to filter out high frequencies, typically between 80 Hz and 120 Hz, depending on your system and personal preference. This ensures the subwoofer only reproduces bass frequencies.
- **Subsonic Filter:** If your amplifier has a subsonic filter, set it slightly below your enclosure's tuning frequency (for ported enclosures) to protect the subwoofer from over-excursion at very low frequencies.

## MAINTENANCE

The Skar Audio IX-8 D4 subwoofer requires minimal maintenance. Keep the subwoofer cone and surround clean and free from dust and debris. Use a soft, dry cloth for cleaning. Avoid using harsh chemicals or solvents that could damage the materials.

## TROUBLESHOOTING

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

Problem	Possible Cause	Solution
No Sound	Loose wiring, amplifier protection mode, no signal from head unit.	Check all wiring connections. Verify amplifier is powered on and not in protection mode. Confirm head unit is sending an audio signal.
Distorted Sound	Gain set too high, incorrect crossover settings, damaged voice coil.	Reduce amplifier gain. Adjust LPF and subsonic filter settings. If distortion persists, inspect the subwoofer for physical damage.
Subwoofer Overheating	Improper impedance match, insufficient amplifier power, prolonged high-volume use.	Verify correct impedance wiring. Ensure amplifier provides adequate RMS power. Reduce listening volume or allow the system to cool down.

## SPECIFICATIONS

Detailed technical specifications for the Skar Audio IX-8 D4 8-inch Dual 4 Ohm Car Subwoofer:

Feature	Value
Brand	Skar Audio
Model Number	IX-8 D4
Speaker Size	8 Inches
Speaker Maximum Output Power	300 Watts
RMS Power	150 Watts
Impedance	Dual 4 Ohms
Voice Coil Size	2 Inches
Frequency Response	30 Hz - 350 Hz
Item Dimensions (D x W x H)	9.5"D x 9.5"W x 8"H
Item Weight	7 Pounds
Connectivity Technology	Wired
Audio Output Mode	Surround
Mounting Type	Car Subwoofer
Color	Black
UPC	852679805758

## OFFICIAL PRODUCT VIDEO

Watch the official Skar Audio video for an overview of the IX Series subwoofers, including the IX-8 D4 model, highlighting key features and power ratings.

Your browser does not support the video tag.

Video: Skar Audio "IX Series" Product Line-Up - 500 Watts Peak Power. This video provides a visual overview of the IX Series subwoofers.

## WARRANTY INFORMATION

The Skar Audio IX-8 D4 subwoofer comes with a 2-year limited warranty. This warranty covers defects in materials and workmanship under normal use. For detailed terms and conditions, please refer to the warranty card included with your product or visit the official Skar Audio website.

## SUPPORT

For technical assistance, troubleshooting beyond this manual, or warranty claims, please contact Skar Audio

customer support through their official website or the contact information provided in your product packaging. Have your model number (IX-8 D4) and purchase details ready when contacting support.