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

Skar Audio SDR-1X10D2

Skar Audio SDR-1X10D2 Single 10" Loaded Vented Subwoofer Enclosure User Manual

Model: SDR-1X10D2

1. Product Overview

The Skar Audio SDR-1X10D2 is a single 10-inch loaded vented subwoofer enclosure designed to provide a powerful and simplified solution for adding a competition-grade subwoofer system to your vehicle. This enclosure comes pre-loaded with a high-performance SDR-10 D2 1,200 watt max power 10-inch subwoofer, ensuring optimal sound and compatibility. Its unique kerf port design allows for extreme levels of bass output, while the premium black carpet finish and Skar Audio logo provide a sleek appearance. The subwoofer is pre-wired internally for a 1-ohm final impedance load at the terminals, facilitating an easy and hassle-free installation.



Figure 1: Skar Audio SDR-1X10D2 Single 10" Loaded Vented Subwoofer Enclosure.

2. Key Features

- SDR Series Single 10-Inch D2 ohm Loaded Subwoofer Enclosure.
- Peak Power: 1,200 Watts | RMS Power: 600 Watts.
- Pre-wired Internally for a 1 Ohm Final Impedance Load at the Terminals for an Easy Installation.
- Premium Vented Enclosure Made of 5/8" MDF and Finished in Black Carpeting.
- Double Front Baffle (1.25") with Countersunk Subwoofer Design for Flush and Attractive Appearance.

3. What's in the Box

Your Skar Audio SDR-1X10D2 package includes:

- Skar Audio SDR-1X10D2 Single 10" Loaded Subwoofer Enclosure

4. Setup and Installation

Proper installation is crucial for optimal performance and longevity of your subwoofer enclosure. It is recommended to have this unit installed by a qualified car audio professional.

4.1 Wiring Connections

The SDR-1X10D2 enclosure is pre-wired internally to present a 1-ohm final impedance load at the external terminals. Ensure your amplifier is stable at a 1-ohm load to prevent damage to the amplifier or subwoofer.

- **Power Connection:** Connect the positive (+) terminal of your amplifier's speaker output to the positive (+) terminal on the subwoofer enclosure.
- **Ground Connection:** Connect the negative (-) terminal of your amplifier's speaker output to the negative (-) terminal on the subwoofer enclosure.
- Ensure all connections are secure and free from corrosion. Use appropriate gauge wiring for your amplifier's power output.



Figure 2: Rear view of the SDR-1X10D2 showing the speaker terminal.

4.2 Placement

Consider the following for optimal placement within your vehicle:

- Place the enclosure in a secure location where it will not shift during vehicle movement.
- Ensure adequate ventilation around the enclosure and amplifier to prevent overheating.
- Avoid placing the enclosure in direct sunlight or areas exposed to extreme temperatures or moisture.

5. Operating Instructions

5.1 Break-in Period

Like all new subwoofers, the SDR-1X10D2 requires a break-in period to achieve its full performance potential. During the first 20-30 hours of use, operate the subwoofer at moderate volume levels. Avoid playing extremely loud or distorted audio during this period. This allows the subwoofer's suspension components (surround and spider) to loosen up and reach their optimal compliance.

5.2 Amplifier Tuning

Proper amplifier tuning is essential to prevent damage to your subwoofer and achieve the best sound quality. Consult your amplifier's user manual for detailed tuning instructions. Key settings to consider include:

- **Gain Setting:** Set the 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 clipping.
- **Low-Pass Filter (LPF):** Set the LPF to filter out frequencies above the subwoofer's intended range, typically between 60Hz and 100Hz.
- **Subsonic Filter (HPF):** If available, set the subsonic filter to protect the subwoofer from playing frequencies below its tuning frequency, which can cause over-excursion.
- **Bass Boost:** Use bass boost sparingly, if at all, as it can easily lead to clipping and damage.

6. Maintenance

The Skar Audio SDR-1X10D2 enclosure requires minimal maintenance. Follow these guidelines to keep your unit in good condition:

- **Cleaning:** Use a soft, dry cloth to wipe down the enclosure's carpeted surface. Avoid using harsh chemicals or abrasive cleaners.
- **Inspection:** Periodically check all wiring connections to ensure they remain secure. Inspect the subwoofer cone and surround for any signs of damage or wear.
- **Environment:** Keep the enclosure in a dry environment, away from excessive heat, cold, or moisture.

7. Troubleshooting

If you experience issues with your SDR-1X10D2 enclosure, refer to the following common troubleshooting steps:

Problem	Possible Cause	Solution
No Sound from Subwoofer	Amplifier not powered on. Loose or incorrect wiring connections. Amplifier in protect mode. Head unit settings incorrect (subwoofer output off/low).	Check amplifier power, ground, and remote turn-on connections. Verify all speaker wire connections at both the amplifier and enclosure. Check amplifier fuses and ensure proper impedance load. Adjust head unit settings to enable subwoofer output and increase volume.

Problem	Possible Cause	Solution
Distorted or Weak Bass	Amplifier gain set too high (clipping). Incorrect amplifier settings (LPF, subsonic filter). Insufficient power from amplifier. Damaged subwoofer.	Reduce amplifier gain. Adjust LPF and subsonic filter settings according to recommendations. Ensure amplifier provides sufficient RMS power for the subwoofer (600W RMS). Inspect subwoofer for physical damage. If damaged, replacement may be necessary.
Subwoofer Overheating	Playing at excessive volume for extended periods. Amplifier clipping. Insufficient ventilation.	Reduce listening volume. Re-tune amplifier gain to prevent clipping. Ensure adequate airflow around the enclosure and amplifier.

If these steps do not resolve the issue, contact Skar Audio customer support or a certified car audio technician.

8. Specifications

Specification	Value
Model Name	SDR-1X10D2
Speaker Type	Subwoofer
Special Feature	Double Baffle - Countersunk Design
Recommended Uses For Product	Vehicle
Compatible Devices	Car
Subwoofer Diameter	10 Inches
Unit Count	1.0 Count
Controller Type	Corded Electric
Surround Sound Channel Configuration	1.0
Color	Black
Included Components	Skar Audio SDR-1X10D2 Single 10" Loaded Subwoofer Enclosure
Product Dimensions	17.25"D x 18.5"W x 14.65"H
Item Weight	17.67 Kilograms (38.9 pounds)
Impedance	1 Ohm
Is Waterproof	FALSE
Warranty Type	Limited
Number of Items	1

Specification	Value
Control Method	App
Speaker Size	10 Inches
Power Source	Corded Electric
Signal-to-Noise Ratio	82 dB
Woofer Diameter	10 Inches
Vehicle Service Type	Car
Customer Package Type	Standard Packaging
Audio Driver Type	Dynamic Driver
Audio Driver Size	10 Inches
Subwoofer Connectivity Technology	Wired
Connectivity Protocol	Wired
Includes MP3 player?	No
Series Number	3
UPC	655036034378
Global Trade Identification Number	00655036034378
Manufacturer	Skar Audio
Date First Available	May 24, 2019
Country of Origin	China
Speaker Maximum Output Power	1200 Watts
Audio Output Mode	Mono
Mounting Type	Ceiling Mount

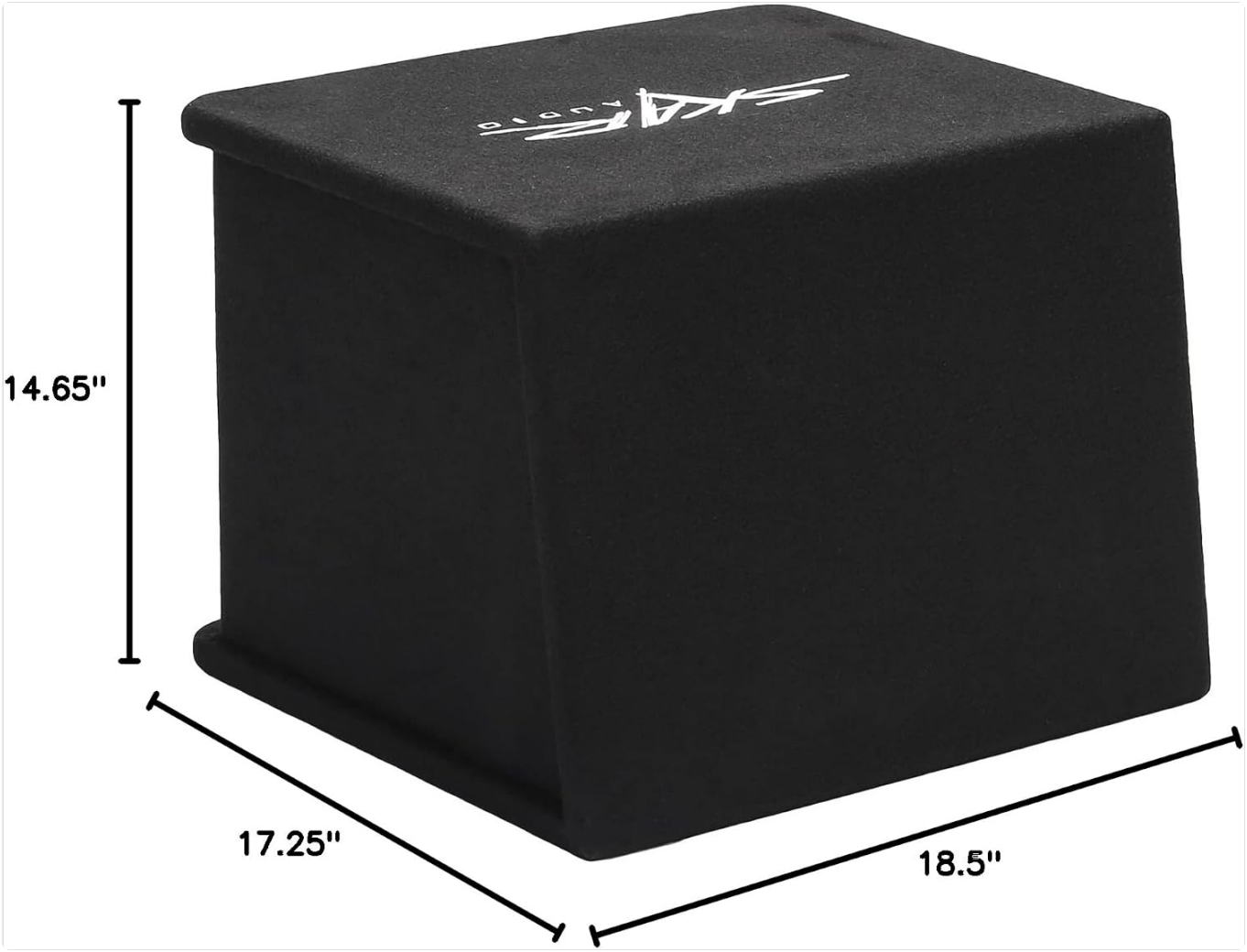

Figure 3: Dimensions of the SDR-1X10D2 enclosure.

9. Warranty and Support

The Skar Audio SDR-1X10D2 comes with a limited warranty. For specific details regarding warranty coverage, duration, and terms, please refer to the warranty information provided with your purchase or visit the official Skar Audio website. For technical support, troubleshooting assistance beyond this manual, or warranty claims, please contact Skar Audio customer service through their official website or designated support channels. When contacting support, please have your product model number (SDR-1X10D2) and proof of purchase readily available.

This manual is intended for informational purposes only. Skar Audio reserves the right to change specifications without notice.

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/B07S8CPB53

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