

## Skar Audio SVR-2X12D4

# Skar Audio SVR-2X12D4 Dual 12-inch Loaded Vented Subwoofer Enclosure

## User Manual

### 1. INTRODUCTION

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Thank you for choosing the Skar Audio SVR-2X12D4 Dual 12-inch Loaded Vented Subwoofer Enclosure. This product is engineered to deliver powerful and accurate bass response for your vehicle's audio system. This manual provides detailed instructions for proper installation, operation, and maintenance to ensure optimal performance and longevity of your subwoofer enclosure.

The SVR-2X12D4 features two Skar Audio SVR-12 D4 1,600 watt, dual 4-ohm subwoofers pre-loaded into a vented enclosure constructed from 3/4" premium MDF and finished with black carpeting. The system is internally pre-wired for a 1 Ohm final impedance load at the terminals, simplifying installation.

### 2. SAFETY INFORMATION

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Please read all safety instructions before installing and operating your subwoofer enclosure. Failure to follow these guidelines may result in injury or damage to the product or vehicle.

- **Electrical Connections:** Ensure all wiring is correctly connected and insulated to prevent short circuits and electrical hazards. Disconnect the vehicle's battery before making any electrical connections.
- **Power Handling:** Do not exceed the recommended RMS or peak power ratings. Overpowering the subwoofers can lead to permanent damage.
- **Placement:** Securely mount the enclosure to prevent it from shifting during vehicle movement, which could cause injury or damage.
- **Ventilation:** Ensure adequate ventilation around the amplifier and subwoofer enclosure to prevent overheating.
- **Hearing Protection:** Prolonged exposure to high sound pressure levels can cause permanent hearing damage. Use caution when adjusting volume levels.

### 3. PACKAGE CONTENTS

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Verify that all items are present in the package:

- 1 x Skar Audio SVR-2X12D4 Loaded Vented Subwoofer Enclosure with two Skar Audio SVR-12 D4 1,600 watt, dual 4-ohm subwoofers pre-loaded and internally wired to a 1-ohm impedance load at the terminals.

## 4. SETUP AND INSTALLATION

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### 4.1 Enclosure Placement

The SVR-2X12D4 is designed for indoor use within a vehicle. Choose a location that allows for proper sound dispersion and secure mounting. Common locations include the trunk or behind the rear seats. Ensure the enclosure does not obstruct safety features or vehicle operation.



Figure 1: Front view of the SVR-2X12D4 enclosure.

### 4.2 Wiring Connections

The SVR-2X12D4 enclosure is pre-wired internally to present a 1 Ohm final impedance load at the external terminals. This simplifies connection to a compatible amplifier.

1. **Power Wiring:** Connect the amplifier's positive (+) terminal to the vehicle's battery via an appropriate gauge power wire and an inline fuse. Connect the amplifier's negative (-) terminal to a solid chassis ground point.
2. **Remote Turn-On:** Connect the amplifier's remote turn-on terminal to the head unit's remote output.
3. **Signal Input:** Connect the head unit's RCA outputs to the amplifier's RCA inputs.
4. **Subwoofer Connection:** Connect the amplifier's speaker output terminals to the SVR-2X12D4's input terminals. Ensure correct polarity (positive to positive, negative to negative). The enclosure is designed for a 1 Ohm load, so ensure your amplifier is stable at 1 Ohm.



Figure 2: Rear view with terminal cup for amplifier connection.

### 4.3 Securing the Enclosure

To prevent movement during driving, it is crucial to secure the subwoofer enclosure. Use appropriate straps, brackets, or mounting hardware (not included) to firmly fasten the enclosure to the vehicle's structure. Ensure mounting points are robust and do not interfere with vehicle components or wiring.



Figure 3: Enclosure dimensions for planning placement.

## 5. OPERATING INSTRUCTIONS

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### 5.1 Initial Power-Up and Settings

After installation, double-check all connections. Turn on your vehicle's audio system and gradually increase the volume. Adjust the amplifier's gain, crossover, and bass boost settings according to your preferences and the amplifier's manual. Start with conservative settings to avoid damaging the subwoofers.

### 5.2 Break-In Period

Like all new subwoofers, the SVR-2X12D4 requires a break-in period to achieve optimal performance and longevity. During the first 30-40 hours of use, operate the subwoofers at moderate volume levels. Avoid playing at maximum volume or with excessive bass boost during this period. This allows the subwoofer's suspension components to loosen and settle, improving sound quality and durability.

## 6. MAINTENANCE

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Regular maintenance helps ensure the longevity and performance of your subwoofer enclosure.

- **Cleaning:** Use a soft, dry cloth to clean the enclosure's exterior. Avoid using harsh chemicals or abrasive cleaners.
- **Inspection:** Periodically inspect all wiring connections for tightness and corrosion. Check the subwoofer surrounds and cones for any signs of damage or wear.
- **Environmental Conditions:** While robust, avoid exposing the enclosure to extreme moisture or direct sunlight for prolonged periods, as this can degrade materials over time.

## 7. TROUBLESHOOTING

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If you experience issues with your SVR-2X12D4, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
No Sound	No power to amplifier; loose wiring; amplifier in protect mode; incorrect input signal.	Check power, ground, and remote wires. Verify fuse. Check amplifier status light. Ensure RCA cables are connected and head unit is sending a signal.
Distorted Sound	Amplifier gain set too high; incorrect crossover settings; damaged subwoofer.	Reduce amplifier gain. Adjust crossover frequency. Inspect subwoofers for physical damage.
Weak Bass	Incorrect amplifier settings; phase issue; insufficient power.	Adjust amplifier gain and bass boost. Check phase setting on amplifier or head unit. Ensure amplifier is providing adequate power for a 1 Ohm load.
Enclosure Overheating	Lack of ventilation; prolonged high volume use.	Ensure adequate airflow around the enclosure and amplifier. Reduce listening volume.

## 8. SPECIFICATIONS

Feature	Specification
Model Name	SVR-2X12D4
Speaker Type	Subwoofer
Subwoofer Diameter	12 Inches (x2)
Peak Power	3200 Watts
RMS Power	1600 Watts
Internal Volume	3.25 Cubic Ft
Tuned Frequency	33 Hz
Impedance	1 Ohm (final load)
Enclosure Material	3/4" Premium MDF
Finish	Black Carpeting
Product Dimensions (D x W x H)	22" x 35.5" x 18.5"
Item Weight	99 Pounds
Connectivity Technology	Wired
UPC	810028811577

## 9. WARRANTY AND SUPPORT

### 9.1 Limited Warranty

Skar Audio products are covered by a limited warranty. For specific details regarding the warranty period and

coverage, please refer to the warranty information provided with your purchase or visit the official Skar Audio website. The warranty typically covers defects in materials and workmanship under normal use.

## 9.2 Customer Support

If you have any questions, require technical assistance, or need to initiate a warranty claim, please contact Skar Audio customer support. You can find contact information on the official Skar Audio website or through your retailer.

**Website:** [www.skaraudio.com](http://www.skaraudio.com)