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Skar Audio EVL-2X12D4-RP-2000.1D-SKAR0ANL-CCA

Skar Audio Dual 12" Complete 5,000 Watt Subwoofer Bass Package

User Manual

Model: EVL-2X12D4-RP-2000.1D-SKAR0ANL-CCA

1. Introduction

Thank you for choosing the Skar Audio Dual 12" Complete 5,000 Watt Subwoofer Bass Package. This comprehensive system is designed to deliver powerful and accurate bass performance in your vehicle. This manual provides essential information for the proper installation, operation, and maintenance of your new audio system. Please read it thoroughly before beginning installation.

2. Safety Information

Always observe the following safety precautions to prevent injury or damage to the equipment:

- **Electrical Safety:** Disconnect the vehicle's battery negative terminal before any electrical installation. Ensure all wiring is properly insulated and fused to prevent short circuits and fire hazards.
- **Hearing Protection:** Prolonged exposure to high sound pressure levels can cause permanent hearing damage. Use caution when adjusting volume levels.
- **Ventilation:** Ensure the amplifier has adequate ventilation to prevent overheating. Do not mount the amplifier in enclosed spaces without airflow.
- **Secure Mounting:** Securely mount the subwoofer enclosure and amplifier to prevent them from becoming projectiles in the event of a sudden stop or accident.
- **Professional Installation:** If you are unsure about any part of the installation process, seek assistance from a qualified car audio professional.

3. What's in the Box

Your Skar Audio Dual 12" Complete 5,000 Watt Subwoofer Bass Package includes the following components:

- x1 Skar Audio EVL-2X12D4 Dual 12" 5000W Loaded Ported Subwoofer Enclosure

- x1 Skar Audio RP-2000.1D 2,000 Watt Class D Mono-block Car Amplifier
- x1 Skar Audio SKAR0ANL-CCA 1/0 Gauge Complete Amplifier Wiring Installation Kit



Image: All components included in the Skar Audio Dual 12" Complete 5,000 Watt Subwoofer Bass Package, featuring the loaded enclosure, amplifier, and wiring kit.

4. Setup and Installation

4.1. Unpacking and Inspection

Carefully remove all components from their packaging. Inspect each item for any signs of shipping damage. If any damage is found, contact your retailer immediately.

4.2. Mounting the Subwoofer Enclosure

The EVL-2X12D4 loaded enclosure should be securely mounted in your vehicle's trunk or cargo area. Ensure it is placed

in a location that does not obstruct safety equipment or vehicle operation. Use straps or brackets to prevent movement during driving.



Image: The Skar Audio Dual 12 inch subwoofer enclosure shown with the RP-2000.1D amplifier, illustrating the primary components of the bass package.

4.3. Amplifier Installation (RP-2000.1D)

Mount the RP-2000.1D amplifier in a location that allows for proper ventilation and is protected from moisture and excessive heat. Common mounting locations include the trunk, under a seat, or behind a rear seat. Ensure the mounting surface is solid and secure.



Image: A detailed view of the Skar Audio RP-2000.1D Class D Mono-block Car Amplifier, highlighting its design and connections.

4.4. Wiring Connections

Use the included SKAR0ANL-CCA 1/0 Gauge Complete Amplifier Wiring Installation Kit for all power and ground connections. Follow these general steps:

1. **Power Wire:** Run the 1/0 gauge power wire from the vehicle's battery (with an inline fuse holder installed within 18 inches of the battery) to the amplifier's +12V terminal.
2. **Ground Wire:** Connect the 1/0 gauge ground wire from the amplifier's GND terminal to a clean, unpainted metal surface on the vehicle's chassis. Ensure a solid, low-resistance connection.
3. **Remote Turn-On Wire:** Connect the remote turn-on wire from your head unit's remote output to the amplifier's REM terminal. This wire turns the amplifier on and off with your head unit.
4. **RCA Cables:** Connect RCA cables from your head unit's subwoofer or full-range pre-outs to the amplifier's RCA input jacks.
5. **Speaker Wires:** Connect the speaker wires from the amplifier's speaker output terminals to the input terminals on

the subwoofer enclosure. Ensure correct polarity (+ to + and - to -).



Image: The Skar Audio SKAR0ANL-CCA 1/0 Gauge Complete Amplifier Wiring Installation Kit, showing all necessary cables, fuse holder, and terminals for a complete power connection.

5. Operating Your System

5.1. Initial Power On

After all connections are made and verified, reconnect the vehicle's battery. Turn on your head unit. The amplifier's power indicator light should illuminate. If it does not, refer to the Troubleshooting section.

5.2. Amplifier Adjustments

The RP-2000.1D amplifier features several adjustable controls:

- **Gain Control:** This matches the amplifier's input sensitivity to the output voltage of your head unit. Start with the gain set to minimum and slowly increase it until you hear distortion, then back off slightly. Do not use the gain control as a volume knob.
- **Low Pass Filter (LPF):** This filter allows only frequencies below the set point to pass through to the subwoofers. A common starting point is 80-100 Hz, but adjust to blend seamlessly with your vehicle's main speakers.
- **Bass Boost:** Use this control sparingly, if at all. Excessive bass boost can lead to distortion and potential damage to your subwoofers.

5.3. System Testing

Play a variety of music at moderate volume levels. Listen for clear, undistorted bass. Adjust the amplifier settings incrementally until you achieve the desired sound quality. Ensure the amplifier does not become excessively hot during operation.

6. Maintenance

Regular maintenance helps ensure the longevity and performance of your Skar Audio system:

- **Cleaning:** Keep the subwoofer enclosure and amplifier clean and free of dust and debris. Use a soft, dry cloth. Do not use liquid cleaners directly on components.
- **Connection Checks:** Periodically check all wiring connections to ensure they are secure and free from corrosion.

Loose connections can lead to poor performance or damage.

- **Ventilation:** Ensure the amplifier's cooling fins are not obstructed by objects or debris.

7. Troubleshooting

If you encounter issues with your system, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
No sound from subwoofers	No power to amplifier; RCA cables disconnected; Speaker wires disconnected; Amplifier in protection mode.	Check power, ground, and remote connections. Verify inline fuse. Ensure RCA and speaker wires are securely connected. Check amplifier status light.
Distorted sound	Gain set too high; LPF set incorrectly; Damaged speaker or amplifier.	Reduce gain. Adjust LPF. Inspect subwoofers for physical damage. If distortion persists, consult a professional.
Amplifier overheats and shuts off	Insufficient ventilation; Impedance mismatch; Gain set too high.	Ensure proper airflow around amplifier. Verify correct wiring impedance. Reduce gain setting.
Weak or muddy bass	Incorrect LPF setting; Phase issue; Loose enclosure.	Adjust LPF. Check phase setting on head unit/amplifier. Securely mount enclosure.

8. Specifications

Key specifications for the Skar Audio Dual 12" Complete 5,000 Watt Subwoofer Bass Package:

Feature	Specification
Model Name	EVL-2X12D4-RP-2000.1D-SKAR0ANL-CCA
Speaker Type	Subwoofer
Subwoofer Diameter	12 Inches
Speaker Maximum Output Power	5000 Watts (Peak)
Product Dimensions (Enclosure)	39.25"D x 24.75"W x 19.25"H
Item Weight	149.25 Pounds
Enclosure Material	MDF
Manufacturer	Skar Audio
UPC	655036034316

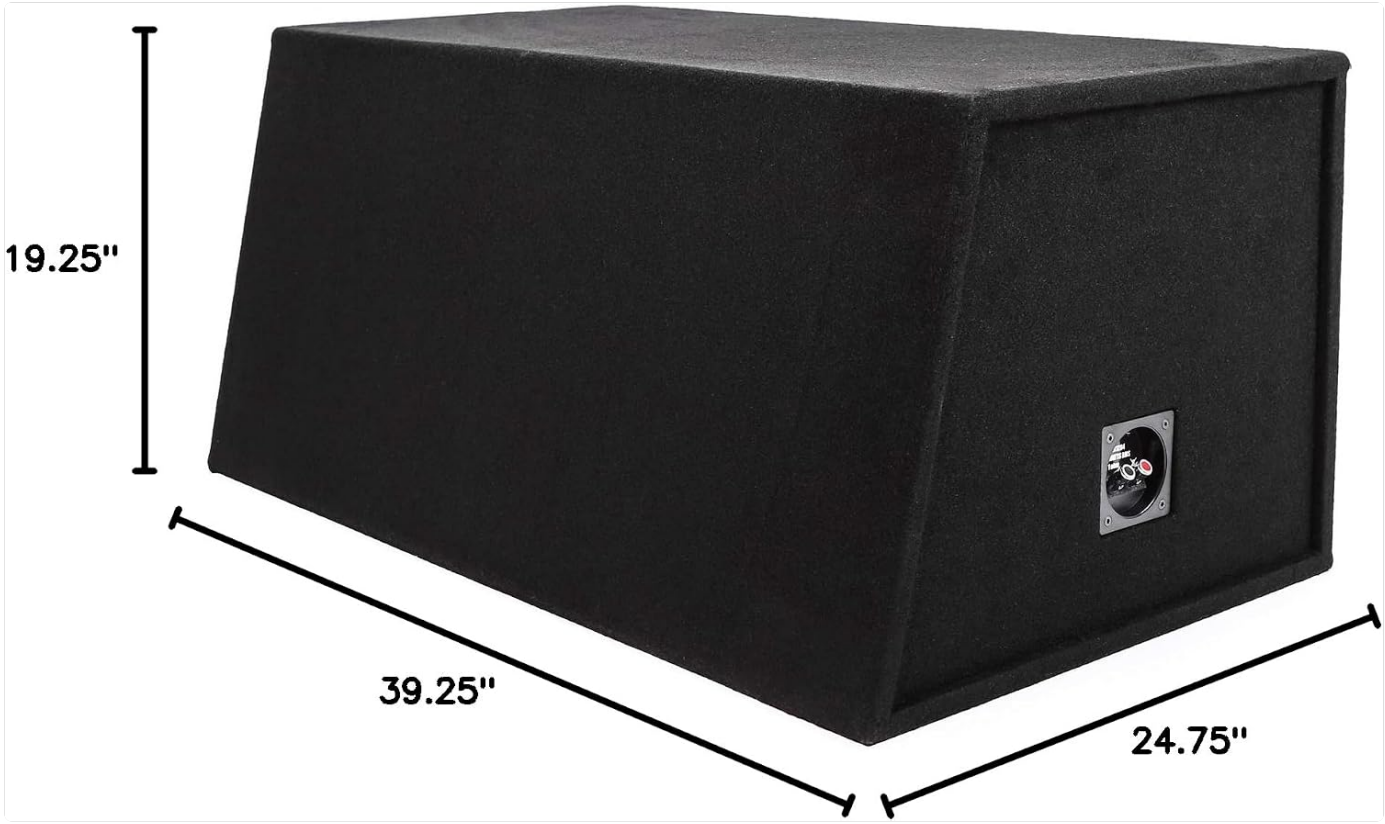

Image: Diagram showing the dimensions of the Skar Audio Dual 12 inch loaded ported subwoofer enclosure.

9. Warranty and Support

Skar Audio products come with a limited warranty. For specific warranty terms and conditions, please refer to the documentation included with your purchase or visit the official Skar Audio website. If you require technical assistance or support, please contact Skar Audio customer service directly.

For more information and support, visit the Skar Audio Store on Amazon.

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