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› [Audison](#) /

› [Audison SR 4 4-Channel 360W Power Amplifier User Manual](#)

## Audison SR 4

# Audison SR 4 4-Channel 360W Power Amplifier User Manual

Model: SR 4

## 1. INTRODUCTION

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Thank you for choosing the Audison SR 4 4-Channel 360W Power Amplifier. This manual provides essential information for the proper installation, operation, and maintenance of your amplifier. Please read this manual thoroughly before attempting installation or use to ensure optimal performance and safety.

The Audison SR 4 is designed to deliver high-quality audio amplification for your car audio system, featuring a built-in crossover for precise sound tuning.

## 2. SAFETY INFORMATION

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- **Professional Installation Recommended:** Installation of car audio equipment can be complex. It is highly recommended to have this amplifier installed by a qualified professional.
- **Disconnect Battery:** Always disconnect the vehicle's negative battery terminal before starting any electrical work to prevent short circuits and damage.
- **Proper Wiring:** Use appropriate gauge wiring for power, ground, and speaker connections as specified in the installation section. Incorrect wiring can lead to overheating, fire, or damage to the amplifier and vehicle.
- **Ventilation:** Ensure the amplifier is mounted in a location with adequate ventilation to prevent overheating. Do not cover the amplifier or mount it in an enclosed space without airflow.
- **Moisture and Heat:** Avoid mounting the amplifier in areas exposed to direct sunlight, excessive heat, or moisture.
- **Secure Mounting:** Securely mount the amplifier to prevent it from becoming a projectile in the event of a sudden stop or accident.
- **Volume Levels:** Prolonged exposure to high volume levels can cause hearing damage. Adjust volume responsibly.

## 3. PACKAGE CONTENTS

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Please check the contents of your Audison SR 4 amplifier package. If any items are missing or damaged, contact your authorized Audison dealer immediately.

- Audison SR 4 4-Channel Power Amplifier
- Mounting Hardware (screws, washers)
- User Manual (this document)

- Warranty Card

## 4. PRODUCT OVERVIEW

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The Audison SR 4 is a high-performance 4-channel amplifier designed for car audio enthusiasts. It features robust construction and advanced circuitry to deliver clean, powerful sound. The integrated crossover allows for flexible system configuration, enabling you to optimize sound for various speaker setups.



**Figure 4.1:** Front view of the Audison SR 4 amplifier, showcasing its compact design and input/output terminals. This image illustrates the general layout of the amplifier's connections and controls.

### Key Features:

- 4-Channel Configuration
- 360 Watts Output Power
- Built-in Crossover for flexible system tuning
- Robust and compact design
- High-quality audio reproduction

## 5. INSTALLATION AND SETUP

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Proper installation is crucial for the performance and longevity of your Audison SR 4 amplifier. Follow these guidelines carefully.

### 5.1 Mounting Location

- Choose a dry, well-ventilated location away from direct heat sources and moisture.

- Ensure sufficient space around the amplifier for airflow to prevent overheating.
- Mount the amplifier securely to a solid surface using the provided mounting hardware. Avoid mounting on carpet or other soft materials that could impede airflow.
- Common mounting locations include under seats, in the trunk, or behind panels.

## 5.2 Wiring Connections

Before making any connections, ensure the vehicle's battery is disconnected.

- **Power (B+):** Connect a heavy-gauge power cable (e.g., 8 AWG or larger, depending on total system power) directly from the positive terminal of the vehicle's battery to the amplifier's B+ terminal. Install an appropriate fuse holder within 18 inches (45 cm) of the battery.
- **Ground (GND):** Connect a heavy-gauge ground cable of the same size as the power cable from the amplifier's GND terminal to a clean, unpainted metal surface of the vehicle chassis. Ensure a good electrical connection.
- **Remote Turn-On (REM):** Connect a remote turn-on wire (typically 18 AWG) 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.
- **RCA Inputs:** Connect RCA cables from your head unit's pre-amp outputs to the amplifier's RCA input jacks. Ensure correct channel matching (Front L/R, Rear L/R).
- **Speaker Outputs:** Connect your speakers to the amplifier's speaker output terminals. Pay close attention to polarity (+ and -) for each speaker. The SR 4 supports 4-channel stereo or 2-channel bridged operation. Refer to the amplifier's terminal markings for specific configurations.

## 5.3 Crossover and Gain Adjustment

The Audison SR 4 features adjustable crossovers and gain controls to fine-tune your audio system.

- **Crossover Settings:** Use the High-Pass Filter (HPF) and Low-Pass Filter (LPF) controls to direct specific frequency ranges to your speakers. For full-range speakers, you might use HPF to protect them from low bass. For subwoofers, use LPF. Consult your speaker specifications for recommended crossover points.
- **Gain Control:** The gain control matches the amplifier's input sensitivity to the output level of your head unit. Start with the gain set to minimum. Play a familiar track at about 75% of your head unit's maximum volume. Slowly increase the amplifier's gain until you hear distortion, then back off slightly. Do not use the gain control as a volume knob.

## 6. OPERATING INSTRUCTIONS

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Once properly installed and configured, operating your Audison SR 4 amplifier is straightforward.

- **Power On/Off:** The amplifier will automatically turn on when your head unit is powered on (via the remote turn-on wire) and turn off when the head unit is switched off.
- **Volume Control:** Adjust the overall system volume using your head unit's volume control.
- **Sound Adjustments:** Further sound adjustments (bass, treble, balance, fader) should primarily be made through your head unit. The amplifier's crossover and gain settings are for initial system tuning and should not be frequently adjusted.

## 7. MAINTENANCE

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The Audison SR 4 amplifier requires minimal maintenance to ensure long-term performance.

- **Cleaning:** Periodically wipe the amplifier's exterior with a soft, dry cloth. Do not use harsh chemicals or abrasive cleaners.
- **Ventilation:** Ensure that the amplifier's cooling fins and surrounding area remain free of dust and debris to maintain proper heat dissipation.
- **Connections:** Occasionally check all wiring connections to ensure they are secure and free from corrosion.

## 8. TROUBLESHOOTING

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If you experience issues with your Audison SR 4 amplifier, refer to the following common problems and solutions before contacting support.

Problem	Possible Cause	Solution
No Power / Amplifier does not turn on	<ul style="list-style-type: none"><li>◦ Blown fuse (battery or amplifier)</li><li>◦ Loose power or ground connection</li><li>◦ No remote turn-on signal</li><li>◦ Faulty wiring</li></ul>	<ul style="list-style-type: none"><li>◦ Check and replace fuses.</li><li>◦ Verify all power, ground, and remote connections are secure.</li><li>◦ Ensure head unit is on and remote wire is connected.</li><li>◦ Inspect wiring for breaks or shorts.</li></ul>
No Sound Output	<ul style="list-style-type: none"><li>◦ Loose RCA or speaker connections</li><li>◦ Incorrect gain setting</li><li>◦ Head unit settings (mute, fader, balance)</li><li>◦ Damaged speakers or RCA cables</li></ul>	<ul style="list-style-type: none"><li>◦ Check all RCA and speaker wire connections.</li><li>◦ Adjust gain properly (refer to Section 5.3).</li><li>◦ Verify head unit settings.</li><li>◦ Test speakers and RCA cables.</li></ul>
Distorted Sound	<ul style="list-style-type: none"><li>◦ Gain set too high</li><li>◦ Incorrect crossover settings</li><li>◦ Poor ground connection</li><li>◦ Speaker impedance mismatch</li></ul>	<ul style="list-style-type: none"><li>◦ Reduce gain (refer to Section 5.3).</li><li>◦ Adjust crossover frequencies.</li><li>◦ Ensure a solid ground connection.</li><li>◦ Verify speaker impedance is compatible with the amplifier.</li></ul>
Amplifier Overheating	<ul style="list-style-type: none"><li>◦ Insufficient ventilation</li><li>◦ Speaker impedance too low</li><li>◦ Prolonged high volume operation</li></ul>	<ul style="list-style-type: none"><li>◦ Improve airflow around the amplifier.</li><li>◦ Check speaker impedance.</li><li>◦ Reduce volume or allow amplifier to cool.</li></ul>

## 9. SPECIFICATIONS

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The following specifications are typical for the Audison SR 4 amplifier:

- **Model:** SR 4
- **Number of Channels:** 4
- **Output Power:** 360 Watts (Total RMS, typical)
- **Voltage:** 15 Volts (Operating Range)
- **Item Weight:** 7.26 pounds (approx.)
- **Product Dimensions (L x W x H):** 11.81 x 11.81 x 11.81 inches (approx.)
- **Mounting Type:** Surface Mount
- **Manufacturer:** Audison
- **Integrated Crossover:** Yes (HPF/LPF)

## 10. WARRANTY AND SUPPORT

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Audison products are engineered for reliability and performance. This product is covered by a limited warranty. Please refer to the warranty card included in your package for specific terms and conditions, including warranty period and coverage details.

For technical support, service, or warranty claims, please contact your authorized Audison dealer or visit the official Audison website for contact information and resources. When contacting support, please have your product model number (SR 4) and purchase information readily available.

**Official Audison Website:** [www.audison.eu](http://www.audison.eu)