

Audio System US08

Audio System US08 Active 24V Subwoofer User Manual

Model: US08

INTRODUCTION

Thank you for choosing the Audio System US08 Active 24V Subwoofer. This active subwoofer is designed to provide powerful and clear bass reproduction in 24V vehicle environments, such as trucks and buses. Please read this manual thoroughly before installation and operation to ensure proper use and maximize the performance and longevity of your device.

SAFETY INSTRUCTIONS

- Always disconnect the vehicle's battery before starting any electrical work.
- Ensure all wiring is correctly connected to prevent short circuits or damage.
- Do not expose the subwoofer to moisture or extreme temperatures.
- Mount the subwoofer securely to prevent movement during vehicle operation.
- Consult a professional installer if you are unsure about any installation steps.

PACKAGE CONTENTS

Please check the package for the following items:

- Audio System US08 Active Subwoofer
- Power Cable Set
- User Manual (this document)

PRODUCT OVERVIEW



Figure 1: Front view of the Audio System US08 Active Subwoofer. This image shows the main speaker grille and the Audio System logo on the front panel.



Figure 2: Side view of the Audio System US08 Active Subwoofer with indicated dimensions. The subwoofer measures approximately 24.5 cm in width, 34.5 cm in height, and 7 cm in depth.

The US08 is a compact active subwoofer featuring a durable aluminum enclosure. It is designed for easy integration into vehicle audio systems, providing enhanced bass performance without requiring a separate amplifier.

SETUP AND INSTALLATION

Mounting Location

Choose a secure and dry location within your vehicle, such as under a seat, behind a seat, or in a storage compartment. Ensure the mounting surface is flat and stable. The aluminum casing provides durability, but avoid areas prone to excessive vibration or direct sunlight.

Wiring Connections

The US08 subwoofer operates on a 24V power supply, suitable for trucks and buses. Use the provided power cable set for connections.

1. **Power (24V+):** Connect the positive wire from the subwoofer's power input to a constant 24V power source in your vehicle. It is recommended to connect directly to the battery with an inline fuse (not supplied, recommended 15A-20A) for protection.
2. **Ground (GND):** Connect the ground wire to a clean, unpainted metal surface on the vehicle's chassis. Ensure a good electrical connection.
3. **Remote (REM):** Connect the remote turn-on wire to the remote output of your vehicle's head unit. This will turn the subwoofer on and off with your stereo.
4. **Audio Input (RCA):** Connect the RCA audio cables from your head unit's pre-out (subwoofer or full-range) to the RCA input jacks on the US08. The audio output mode is Stereo.

Note: Ensure all connections are tight and properly insulated to prevent short circuits. Incorrect wiring can damage the unit or the vehicle's electrical system.

OPERATING INSTRUCTIONS

Initial Power On

After completing all wiring connections, turn on your vehicle's ignition and head unit. The subwoofer should power on automatically via the remote wire connection.

Adjusting Settings

The US08 typically features controls for gain (volume), low-pass filter (LPF), and phase. Refer to the specific controls on your unit for precise adjustments.

- **Gain Control:** Adjust this to match the output level of your head unit. Start with the gain at minimum and slowly increase it until the bass blends well with your main speakers without distortion.
- **Low-Pass Filter (LPF):** This control sets the upper frequency limit for the subwoofer. Typically, set it between 80Hz and 120Hz to ensure the subwoofer only reproduces low frequencies.
- **Phase Switch:** This switch (0° or 180°) helps to align the subwoofer's output with your main speakers. Experiment with both settings to find the one that provides the most impactful and coherent bass.

The maximum output power of the speakers is 24 Watts.

MAINTENANCE

The Audio System US08 Subwoofer requires minimal maintenance. Follow these guidelines to ensure its longevity:

- **Cleaning:** Use a soft, dry cloth to wipe down the exterior of the subwoofer. Do not use liquid cleaners or abrasive materials.
- **Ventilation:** Ensure that the cooling fins (if present) and surrounding area are free from obstructions to allow for proper heat dissipation.
- **Connections:** Periodically check all wiring connections to ensure they remain secure and free from corrosion.
- **Environment:** Avoid exposing the subwoofer to extreme temperatures, direct sunlight, or excessive moisture.

TROUBLESHOOTING

Problem	Possible Cause	Solution
No Sound from Subwoofer	No power to the unit.	Check power and ground connections. Verify inline fuse.
	Remote wire not connected or no signal.	Ensure remote wire is connected to a switched 24V source from the head unit.
	RCA cables not connected or faulty.	Check RCA cable connections at both the subwoofer and head unit. Try a different RCA cable.
	Head unit settings incorrect.	Verify subwoofer output is enabled and volume is up on the head unit.
Distorted Sound	Gain set too high.	Reduce the gain control on the subwoofer.
	LPF setting incorrect.	Adjust the LPF to a lower frequency.
	Poor ground connection.	Ensure the ground connection is clean and secure.
Subwoofer Overheats and Shuts Off	Insufficient ventilation.	Ensure adequate airflow around the unit. Do not block vents.
	Gain set too high, causing clipping.	Reduce the gain setting.
	Improper impedance load (less likely for active subwoofer).	If problem persists, consult a professional.

SPECIFICATIONS

Model Name	US08
Speaker Type	Active Subwoofer
Input Voltage	24 Volts
Maximum Output Power	24 Watts
Connectivity Technology	RCA
Audio Output Mode	Stereo
Material	Aluminium
Approximate Dimensions (W x H x D)	24.5 cm x 34.5 cm x 7 cm

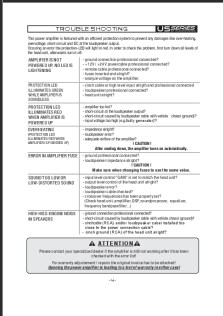
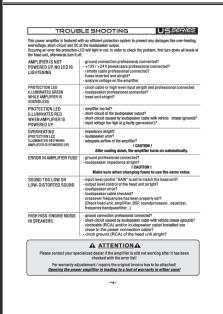



WARRANTY AND SUPPORT

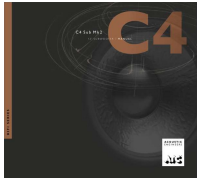
Audio System products are manufactured to the highest quality standards. For warranty information and technical support, please refer to the warranty card included with your product or visit the official Audio System website. Keep your proof of purchase for

warranty claims.
For further assistance, please contact your authorized Audio System dealer or customer service.

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Related Documents - US08

	<p>Audio System US 08 Series: Troubleshooting, Installation Manual, and Technical Specifications</p> <p>Comprehensive guide for Audio System US 08 Active and Passive car amplifiers, detailing troubleshooting steps, power and speaker connection instructions, product features, and technical data.</p>
	<p>AUDIO SYSTEM US 08 EVO Series User Manual & Troubleshooting Guide</p> <p>Comprehensive user manual for the AUDIO SYSTEM US 08 EVO Series active and passive car subwoofers, covering installation, connections, technical specifications, and troubleshooting.</p>
	<p>Audio System SUBFRAME RIO FLAT EVO 2 Series User Manual and Technical Specifications</p> <p>Comprehensive user manual and technical specifications for the Audio System SUBFRAME RIO FLAT EVO 2 series car audio subwoofer enclosures, including installation tips and safety guidelines.</p>
	<p>AUDIO SYSTEM R12 FA EVO Subwoofer: User Manual and Technical Specifications</p> <p>User manual and technical data sheet for the AUDIO SYSTEM R12 FA EVO car audio subwoofer. Provides installation tips, detailed specifications, and recommended enclosure designs for optimal performance.</p>
	<p>Audio System US 08 Active: Premium Compact Subwoofer Review</p> <p>Detailed review of the Audio System US 08 Active compact active subwoofer, highlighting its premium build, sound quality, and performance in the compact class.</p>



[ATC C4 Sub Mk2 Active Subwoofer User Manual](#)

Comprehensive user manual for the ATC C4 Sub Mk2 12-inch active subwoofer, detailing its features, setup, connections, operation, system configurations, specifications, and maintenance. Learn how to integrate this high-performance subwoofer into stereo and multichannel audio systems.