

TOA SR-S4S

TOA SR-S4S Short Throw 2-Way Line Array Speaker System

Instruction Manual

INTRODUCTION

The TOA SR-S4S is a high-performance, two-way line array speaker system designed for short-distance sound transmission. Its unique design allows for precise sound projection and consistent audio levels across various distances. This manual provides essential information for the proper setup, operation, and maintenance of your SR-S4S speaker system.

SAFETY INFORMATION

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

- **Power Source:** Ensure the speaker is connected to a power source that matches its voltage requirements.
- **Ventilation:** Do not block ventilation openings. Ensure adequate airflow around the unit to prevent overheating.
- **Moisture:** Keep the speaker away from water or excessive moisture. This product is not waterproof.
- **Mounting:** When mounting, ensure the structure can support the speaker's weight (approximately 16 kg / 42.8 pounds). Use appropriate mounting hardware and follow all local building codes.
- **Servicing:** Do not attempt to service this product yourself. Refer all servicing to qualified service personnel.

PRODUCT OVERVIEW

The SR-S4S speaker system is engineered for optimal sound distribution, featuring a robust design and advanced acoustic components.





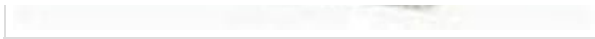


Image: Front view of the TOA SR-S4S Short Throw 2-Way Line Array Speaker System. The speaker is a tall, slender, rectangular unit with a perforated metal grille covering the front face. The enclosure is light gray, and visible bolts secure the side panels. The TOA logo is subtly visible near the bottom of the grille.

Key Features:

- Equipped with eight 10cm woofers for powerful low-frequency output.
- Features 24 small tweeters for clear high-frequency sound reproduction.
- Linear sound source effect minimizes energy attenuation over distance, enhancing long-distance sound projection.
- Suppressed vertical sound dispersion directs sound precisely to the target area.
- Maintains consistent sound pressure levels, preventing excessive loudness near the speaker.
- Allows for configuration of longer sound sources by joining 2 or 3 speakers, increasing projection distance and volume.
- Includes a built-in network circuit for single amplifier drive.
- Can be converted to a bi-amplifier drive system by modifying internal connections.
- Supports high-impedance applications with the optional MT-S0601 Matching Transformer.

SETUP

Follow these steps for the initial setup of your SR-S4S speaker system:

1. **Unpacking:** Carefully remove the speaker from its packaging. Inspect for any signs of damage during transit.
2. **Placement:** Position the speaker in the desired location. Ensure it is on a stable, level surface or securely mounted according to professional installation guidelines. Consider the speaker's directivity angle (90° Horizontal / 10° Vertical) for optimal sound coverage.
3. **Connection:** Connect the speaker to your amplifier using appropriate speaker cables. The SR-S4S features M5 screw terminals and Neutrik NL4MP x2 input connectors. Ensure correct polarity (+ to + and - to -).
4. **Optional Bi-Amping:** If using a bi-amplifier drive system, refer to the detailed wiring diagram in the advanced setup guide (not included in this manual) for internal connection changes.
5. **Optional Matching Transformer:** For high-impedance applications, install the optional MT-S0601 Matching Transformer as per its instructions.
6. **Power On:** Once all connections are secure, power on your amplifier and audio source. Start with the volume at its lowest setting.

OPERATING

Operating the SR-S4S is straightforward once properly set up:

- **Volume Control:** Adjust the volume level using your amplifier's controls. Avoid setting the volume too high, which can cause distortion or damage to the speaker.
- **Sound Optimization:** For optimal sound quality, consider using a digital processor like the DP-0206 (optional) to fine-tune the frequency response.
- **System Integration:** The SR-S4S is designed to integrate seamlessly into various audio setups, from small venues to larger installations requiring precise sound projection.

MAINTENANCE

Regular maintenance ensures the longevity and performance of your SR-S4S speaker system:

- **Cleaning:** Use a soft, dry cloth to wipe down the exterior of the speaker. Do not use abrasive cleaners, solvents, or excessive moisture.
- **Inspection:** Periodically check all cable connections for tightness and signs of wear. Ensure mounting hardware remains secure.
- **Storage:** If storing the speaker for an extended period, keep it in a dry, temperature-controlled environment, ideally in its original packaging or a protective cover.

TROUBLESHOOTING

If you encounter issues with your SR-S4S speaker, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
No sound output	Loose or incorrect cable connections Amplifier not powered on Incorrect input selection on amplifier	Check all speaker and amplifier connections. Ensure amplifier is powered on and functioning. Verify correct input source is selected on amplifier.
Distorted sound	Volume too high Damaged speaker cable Amplifier clipping	Reduce volume level. Inspect speaker cables for damage; replace if necessary. Check amplifier's output level and ensure it's not overdriven.
Intermittent sound	Loose connection Faulty cable	Secure all connections. Try a different speaker cable to isolate the issue.

If the problem persists after attempting these solutions, contact TOA customer support or a qualified service technician.

SPECIFICATIONS

Feature	Detail
Enclosure Type	Bass-reflex type
Power Handling Capacity	Continuous program 600W
Rated Impedance	8Ω
Sensitivity (1W, 1m)	93dB
Frequency Response	70-20000Hz (when using DP-0206 (option))
Crossover Frequency	3500Hz
Directivity Angle	Horizontal: 90°, Vertical: 10°
Low Frequency Component	10cm cone-type x8
High Frequency Component	2.5cm balanced dome-type x24
Input Connectors	M5 screw terminal, distance between barriers: 12.2mm and Neutrik NL4MP x2
Dimensions (W x H x D)	160 x 892 x 303mm (6.3 x 35.1 x 11.9 inches)

Feature	Detail
Weight	16 kg (35.3 lbs) / Item Weight: 42.8 pounds (from product data)
Model Number	SR-S4S

WARRANTY AND SUPPORT

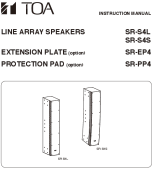
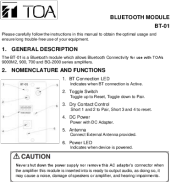

For warranty information, please refer to the warranty card included with your product or visit the official TOA website. For technical support, replacement parts, or service inquiries, please contact TOA customer service through their official channels. Provide your product model number (SR-S4S) and serial number when contacting support.

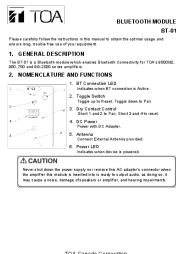
TOA Electronics

Manufacturer of the SR-S4S Line Array Speaker System.

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Related Documents - SR-S4S

 <p>INSTRUCTION MANUAL LINE ARRAY SPEAKERS SR-S4L SR-S4S EXTENSION PLATE (option) SR-EP4 PROTECTION PAD (option) SR-PP4</p>	<p>TOA SR-S4L/SR-S4S Line Array Speakers Instruction Manual</p> <p>This instruction manual provides detailed information on the TOA SR-S4L and SR-S4S line array speakers, including safety precautions, general description, features, installation, wiring, specifications, and optional accessories. Learn how to set up and operate your TOA line array speaker system.</p>
 <p>TOA BLUETOOTH MODULE BT-01</p>	<p>TOA Bluetooth Module BT-01: User Manual and Specifications</p> <p>Comprehensive guide for the TOA Bluetooth Module BT-01, detailing its general description, nomenclature, setup instructions, and technical specifications for seamless Bluetooth connectivity with TOA amplifiers.</p>
 <p>TOA INSTRUCTION MANUAL 2WAY PASSIVE SPEAKER SYSTEM SR-F08</p>	<p>TOA SR-F08 2-Way Passive Speaker System Instruction Manual</p> <p>This instruction manual provides detailed information on the TOA SR-F08 2-Way Passive Speaker System, covering safety precautions, features, installation, specifications, and usage guidelines for optimal performance.</p>



TOA BT-01 Bluetooth Module: Installation, Functions, and Specifications Manual

Comprehensive guide for the TOA BT-01 Bluetooth Module, covering its general description, nomenclature, setup instructions, and technical specifications for TOA amplifiers.



TOA IP Ceiling Speaker IP-A1PC238 Instruction Manual

User guide for the TOA IP Ceiling Speaker (Model IP-A1PC238), detailing installation, setup, features, safety, and network configuration for audio broadcasting.



TOA TS-D1100-SP Speaker Unit Instruction Manual

Official instruction manual for the TOA TS-D1100-SP Speaker Unit, covering safety precautions, FCC requirements, general description, features, connection, and technical specifications for use with the TS-D1100 Series Digital Conference System.