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> ALTO TS15S Subwoofer User Manual

ALTO TS15S

ALTO TS15S 2500W 15" Powered PA Subwoofer User Manual

Model: TS15S | Brand: ALTO

1. INTRODUCTION

The ALTO TS15S is a high-performance 2500W 15-inch powered subwoofer designed to extend the bass response of virtually any full-range PA speaker system. It features a robust design, advanced DSP modes, and flexible connectivity options to deliver superior low-frequency sound for various live performance and audio reinforcement applications.



Figure 1: Front-side view of the ALTO TS15S Powered Subwoofer.

2. WHAT'S IN THE BOX

Upon opening the package, please ensure all listed components are present:

- TS Series Subwoofer
- Power Cable
- Registration Card
- User Guide (this manual)
- Safety & Warranty Manual

3. KEY FEATURES

The ALTO TS15S Subwoofer is engineered with several features to enhance your audio experience:

- **Superior Sound:** 2500W active Subwoofer with a 15-inch driver, 3-inch voice coil, and high-efficiency Class D amplifier for extended low-end frequencies.
- **DSP EQ Modes:** Features a Speaker Use Button with three user-selectable DSP EQ modes: *EQ Off* (flat response), *Live* (optimized for live music), and *DJ* (enhanced bass for DJ sets).

- **Phase Alignment Control:** Includes options to compensate for low-frequency cancellation, ensuring optimal sound integration with full-range speakers.
- **Flexible Connectivity:** Equipped with (2) XLR+1/4-inch combo inputs, (2) balanced XLR line outputs, and (2) XLR thru outputs for linking multiple units.
- **Durable Construction:** Rugged, internally-braced front-ported MDF cabinet with a mark-resistant splatter-spray finish, designed for the rigors of live performance.
- **Integrated Pole Socket:** Features a 36mm pole socket for easy mounting of full-range speakers.
- **Protection Circuitry:** Includes electronic clip, thermal, and transducer overdrive protection for reliable operation.

2500W OF THUNDEROUS BASS



15-INCH ACTIVE SUBWOOFER
WITH HIGH-EFFICIENCY CLASS D AMPLIFIER

Figure 2: The TS15S delivers 2500W of power for deep bass.

THE PERFECT MATCH



2 XLR OUTPUTS



3 PHASE ALIGNMENT
MODES



3 EQ DSP MODES

Figure 3: Connectivity and DSP features of the TS15S.

4. SETUP

Follow these steps to set up your ALTO TS15S Subwoofer:

1. **Placement:** Position the subwoofer on a stable, flat surface. The TS15S is designed for floor standing use. Ensure adequate ventilation around the unit.
2. **Pole Mounting (Optional):** If using with a full-range speaker, insert a standard 36mm speaker pole into the integrated pole socket on top of the subwoofer. Mount your full-range speaker onto the pole.
3. **Power Connection:** Connect the supplied power cable to the AC input on the rear panel of the subwoofer and then to a grounded electrical outlet.
4. **Audio Connections:** Connect your audio source (e.g., mixer, PA speaker output) to the XLR+1/4-inch combo inputs on the rear panel. Use the balanced XLR line outputs to connect to your full-range speakers or other audio equipment. The XLR thru outputs can be used to link additional subwoofers.

SETUP SIMPLIFIED



PORTABLE PA
CABINET DESIGN



EASY SET UP



INTEGRATED
POLE SOCKET

Figure 4: The TS15S features a portable design and integrated pole socket for simplified setup.

5. OPERATING INSTRUCTIONS

Familiarize yourself with the controls and settings on the rear panel for optimal performance:

FEATURE-PACKED



- 1 USER-SELECTABLE EQ TUNINGS: OFF, LIVE & DJ
- 2 PHASE ALIGNMENT SELECTOR SWITCH: 0, 90, 180, 270
- 3 (2) XLR+1/4" COMBO INPUTS
- 4 (2) XLR THRU OUTPUTS FOR LINKING

Figure 5: Rear panel controls and connections.

- **Power Switch:** Located on the rear panel. Turn on the subwoofer after all connections are made.
- **Volume Control:** Adjusts the overall output level of the subwoofer. Start with a low volume and gradually increase.
- **User-Selectable EQ Tunings:** Use the 'Speaker Use Button' to cycle through three DSP EQ modes *EQ Off* (flat response), *Live* (optimized for live music), and *DJ* (enhanced bass for DJ sets).
- **Phase Alignment Selector Switch:** Adjust the phase (0, 90, 180, 270 degrees) to ensure proper alignment with your full-range speakers and prevent low-frequency cancellation. Experiment with settings to find the best sound for your setup.
- **Input/Output Connections:** Utilize the XLR+1/4" combo inputs for incoming audio signals and the XLR outputs for sending audio to other speakers or devices.

6. MAINTENANCE

To ensure the longevity and optimal performance of your ALTO TS15S Subwoofer, follow these maintenance guidelines:

- **Cleaning:** Regularly wipe the cabinet with a soft, dry cloth. Do not use abrasive cleaners, solvents, or chemicals that could damage the finish.
- **Ventilation:** Ensure that the ventilation openings are clear and unobstructed to prevent overheating.
- **Storage:** When not in use for extended periods, store the subwoofer in a dry, cool environment, away from direct sunlight and extreme temperatures.
- **Cable Management:** Keep all cables neatly organized and free from kinks or excessive bending to prevent damage.

7. TROUBLESHOOTING

If you encounter issues with your ALTO TS15S Subwoofer, refer to the following common troubleshooting tips:

Problem	Possible Cause	Solution
No Sound Output	Power not connected; Volume too low; Input cable disconnected or faulty; Incorrect DSP mode.	Check power cable and outlet; Increase volume; Verify input cable connections; Select appropriate DSP mode.
Distorted Sound	Input signal too high (clipping); Subwoofer volume too high; Faulty cable.	Reduce input signal level from source; Lower subwoofer volume; Replace audio cables.
Weak Bass Response	Incorrect phase alignment; DSP mode not suitable; Subwoofer placement.	Adjust Phase Alignment switch; Try different DSP EQ modes (Live/DJ); Reposition subwoofer for better room acoustics.
Overheating	Blocked ventilation; Prolonged high-volume use.	Ensure clear airflow around the unit; Reduce volume or allow unit to cool down.

If the issue persists after trying these steps, please contact ALTO customer support.

8. SPECIFICATIONS

Feature	Detail
Model Name	TS15S
Speaker Type	Powered PA Subwoofer
Output Wattage	2500 Watts (Peak)
Subwoofer Diameter	15 Inches
Voice Coil	3 Inches
Amplifier Type	Class D
DSP Modes	EQ Off, Live, DJ
Phase Alignment	0, 90, 180, 270 degrees
Inputs	(2) XLR+1/4-inch combo

Feature	Detail
Outputs	(2) Balanced XLR line, (2) XLR thru
Material	Engineered Wood (MDF)
Product Dimensions (D x W x H)	21.3" x 20.6" x 24.69"
Item Weight	78.9 pounds (35.86 kg)
Mounting Type	Floor Standing
Integrated Pole Socket	36mm

9. WARRANTY INFORMATION

The ALTO TS15S Subwoofer comes with a Time-Limited Warranty. For detailed terms and conditions, including coverage, duration, and how to make a claim, please refer to the separate Safety & Warranty Manual included in your product packaging. You may also find this information on the official ALTO Professional website or by contacting customer support.

10. SUPPORT

For further assistance, technical support, or service inquiries, please utilize the following resources:

- **Official User Guide (PDF):** A digital version of this manual and additional resources may be available for download from the ALTO Professional website. [Download User Guide PDF](#)
- **ALTO Professional Website:** Visit the official ALTO Professional website for product registration, FAQs, and support contact information.
- **Customer Service:** Contact ALTO Professional customer service directly for personalized support. Refer to the Safety & Warranty Manual for contact details.