

Electro-Voice ETX18SP

Electro-Voice ETX18SP 18" 1800 Watt Powered Subwoofer Instruction Manual

Model: ETX18SP | Brand: Electro-Voice

INTRODUCTION

The Electro-Voice ETX-18SP is a high-performance powered 18-inch subwoofer designed for professional audio applications. It is a versatile choice for live entertainment venues, rental companies, professional musicians, DJs, and installed sound systems. Featuring a low-profile, tour-grade wood enclosure, a high-efficiency transducer, and a Class-D amplifier, the ETX-18SP delivers powerful and precise low-frequency reproduction. Signal Synchronized Transducers (SST) waveguide design and smart FIR-Drive DSP work together to provide precise coverage at high sound pressure levels (SPLs).

KEY FEATURES

- **Powerful Performance:** A powered subwoofer capable of delivering robust low-frequency sound for various portable and permanent applications.
- **Advanced DSP:** Features single-knob Digital Signal Processing (DSP) with presets for multiple configurations and top+sub combinations, optimizing performance style, location, and space.
- **Transducer Protection:** Designed to optimize transducer linearity and incorporates advanced limiter algorithms for independent peak and thermal transducer protection.
- **Cardioid DSP Preset:** Includes a true cardioid DSP preset for achieving a true cardioid response across all frequencies, enhancing directional control of bass.
- **Durable Construction:** The enclosure is constructed from 18-mm, 13-ply birch plywood, finished with EVCoat for enhanced durability.
- **Portability & Mounting:** Equipped with professional castors for easy transport and a combination pole mount receptacle suitable for both threaded and unthreaded loudspeaker poles.
- **User Interface:** Loudspeaker system performance is optimized via an intuitive LCD screen, with a front LED indicating power or limit status.
- **Compact Dimensions:** Dimensions (H x W x D): without casters 550 mm x 675 mm x 777 mm (22 in x 27 in x 31 in).

SETUP

Unpacking and Inspection

Carefully remove the ETX-18SP subwoofer from its packaging. Inspect the unit for any signs of damage that may have occurred during shipping. Retain the packaging for future transport or storage.

Placement and Mounting

The ETX-18SP can be placed directly on the floor or stacked. For optimal sound dispersion and to elevate full-range speakers, utilize the integrated pole mount receptacle on the top surface.



Figure 1: Top view of the ETX18SP, highlighting the integrated pole mount for satellite speakers.

The subwoofer includes professional castors for easy movement. Ensure the subwoofer is placed on a stable, level surface to prevent tipping.



Figure 2: Side view of the ETX18SP, showing the robust handles for lifting and transport.

Connections

Connect your audio source (e.g., mixer, processor) to the ETX-18SP using XLR/TRS combo jacks. The subwoofer also provides XLR link outputs for connecting additional speakers or subwoofers in a daisy-chain configuration.



Figure 3: Rear panel of the ETX18SP, detailing the input/output connections and DSP interface.

1. **Power Connection:** Connect the supplied AC power cable to the power inlet on the rear panel and then to a suitable power outlet.
2. **Audio Input:** Use XLR or 1/4-inch TRS cables to connect your audio source to the INPUT 1 or INPUT 2 combo jacks.
3. **Audio Output (Link):** For connecting additional speakers or subwoofers, use XLR cables from the OUTPUT 1 or OUTPUT 2 jacks.

OPERATING INSTRUCTIONS

Powering On/Off

Ensure all connections are secure before powering on. Press the power switch on the rear panel to turn the unit on. The front LED will illuminate to indicate power status. Always power off the unit when not in use.

DSP Control and Presets

The ETX-18SP features an intuitive single-knob DSP interface accessible via the LCD screen on the rear panel. This allows for quick and easy optimization of the subwoofer's performance.

- **Navigation:** Rotate the master control knob to navigate through menu options on the LCD screen. Press the knob to select an option.
- **Presets:** Select from various factory presets optimized for different applications (e.g., Music, Live, Speech, Club) and top+sub combinations. These presets automatically adjust crossover points, equalization, and limiting for optimal sound.
- **Cardioid Preset:** Activate the true cardioid DSP preset for applications requiring directional bass control, reducing unwanted low-frequency spill on stage.
- **Limiter Status:** Monitor the front LED indicator. A solid green light indicates normal operation, while a flashing or solid

red light may indicate that the limiter is active, protecting the transducer from overload. Adjust input levels if the limiter is frequently active.

MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your ETX-18SP subwoofer.

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the subwoofer. Avoid using abrasive cleaners, solvents, or waxes. Ensure no liquids enter the grille or control panel.
- **Storage:** When not in use, store the subwoofer in a dry, temperature-controlled environment. If storing for extended periods, it is recommended to use the original packaging or a protective cover.
- **Cable Inspection:** Periodically inspect all audio and power cables for wear, cuts, or damage. Replace damaged cables immediately to prevent electrical hazards or signal loss.
- **Ventilation:** Ensure that the rear panel's ventilation openings are clear and unobstructed to allow for proper cooling of the internal components.

TROUBLESHOOTING

If you encounter issues with your ETX-18SP, refer to the following common troubleshooting steps:

Problem	Possible Cause	Solution
No Sound Output	No power; incorrect input connection; low volume; muted source.	Check power cable and switch; verify audio cable connections; increase master volume; ensure audio source is not muted.
Distorted Sound	Input signal too high; speaker overloaded; faulty cable.	Reduce input level from source; check front LED for limiter activity; replace audio cables.
Intermittent Sound	Loose cable connection; faulty cable; overheating.	Secure all connections; replace cables; ensure proper ventilation.
Front LED is Red	Limiter active due to high input/output.	Reduce the input gain or master volume to prevent clipping and protect the speaker.

If the problem persists after attempting these solutions, please contact Electro-Voice customer support or an authorized service center.

SPECIFICATIONS

Feature	Detail
Model Name	ETX-18SP
Speaker Type	Powered Subwoofer
Woofer Diameter	18 Inches
Speaker Maximum Output Power	1800 Watts
Material	Wood (18-mm, 13-ply birch plywood with EVCoat)

Feature	Detail
Product Dimensions (without casters)	550 mm x 675 mm x 777 mm (22 in x 27 in x 31 in)
Item Weight	11 Pounds (Note: This weight seems unusually low for an 18" powered subwoofer and may be a data error. Please refer to official product documentation for accurate weight.)
Connectivity Technology	(2) XLR/TRS Combo Jack and (2) XLR link Output
Audio Output Mode	Mono
Mounting Type	Freestanding, Wheel Mount
Control Method	Touch (via LCD and single-knob DSP)
Included Components	Speaker
Date First Available	March 3, 2014

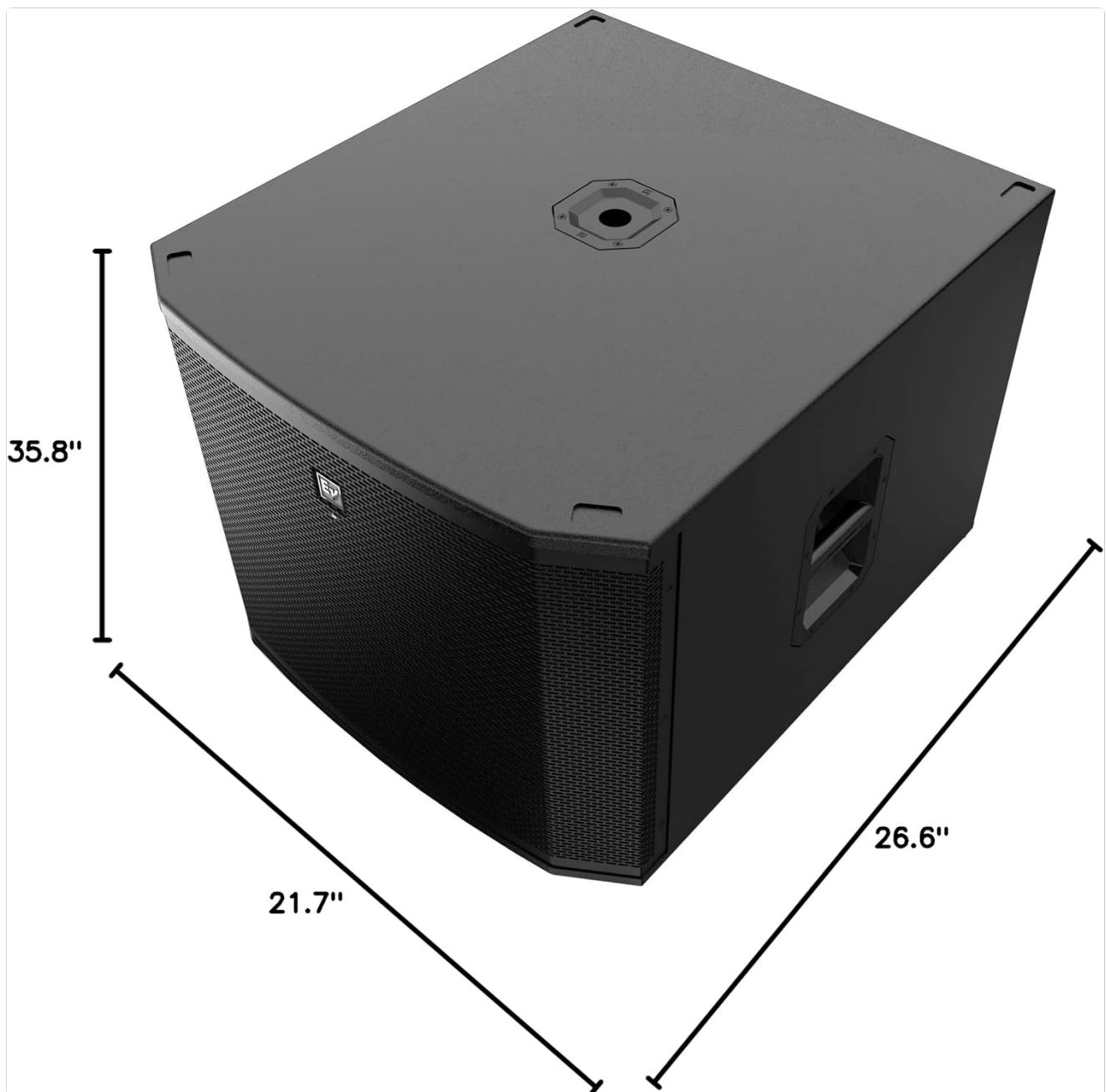


Figure 4: Dimensional overview of the ETX18SP subwoofer.

WARRANTY AND SUPPORT

Warranty Information

The Electro-Voice ETX18SP is covered by a Limited Warranty. For specific terms and conditions, please refer to the warranty documentation included with your product or visit the official Electro-Voice website.

Customer Support

For technical assistance, service, or additional product information, please contact Electro-Voice customer support. You can typically find contact details on the manufacturer's website or in your product's documentation.

Return Policy: This product typically offers a 30-day easy return policy. Please check with your retailer for specific return guidelines.

