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Electro-Voice ZLX-12BT

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1. INTRODUCTION AND OVERVIEW

The Electro-Voice ZLX-12BT portable loudspeaker delivers high performance and reliability. Engineered with advanced components, it simplifies sound control for various applications. Featuring Bluetooth-enabled wireless audio streaming, the ZLX-12BT allows convenient connection to mobile devices for music playback. Its custom drivers are housed in an innovative cabinet design, making Electro-Voice's renowned sound quality and rugged reliability accessible.



Front view of the Electro-Voice ZLX-12BT 12-inch powered loudspeaker, showcasing its durable grille and compact design.

2. PRODUCT FEATURES

- **High-Quality Bluetooth Audio Streaming:** Enables wireless connection for background music or musical accompaniment.
- **Quick Smart DSP:** Features best-in-class digital signal processing for optimized sound.
- **High-Efficiency 1000 W Class-D Power Amplifier:** Delivers up to 126 dB peak SPL using transducers

designed and engineered by EV.

- **EV-Patented Signal Synchronized Transducers (SST) Waveguide Design:** Provides precise and consistent coverage, minimal distortion, and maximized acoustical loading.

3. SETUP

Before operating your ZLX-12BT loudspeaker, ensure it is placed on a stable surface or mounted securely. The speaker is designed for versatile placement, including floor monitoring, tripod mounting, or pole mounting.



The ZLX-12BT loudspeaker positioned on a stand, ready for performance.

3.1 Power Connection

Connect the provided IEC power cable to the power inlet on the rear panel of the loudspeaker and then to a suitable power outlet. Ensure the power switch is in the 'off' position before connecting to power.

3.2 Input/Output Connections

The ZLX-12BT features multiple input and output options for various audio sources and system configurations.



Detailed view of the ZLX-12BT's rear panel, highlighting the input/output ports and DSP controls.

- **Inputs:** Two combination XLR/TRS inputs (Input 1 and Input 2) allow connection of microphones or line-level instruments. Each input has independent gain control.
- **Aux In:** A 3.5mm auxiliary input is available for connecting portable audio devices.
- **Output:** An XLR output allows linking multiple speakers or sending the mixed signal to another audio device.

3.3 Transport and Handling

The speaker is equipped with integrated handles for easier transport. While robust, exercise caution when moving the unit due to its weight.



Angled view of the ZLX-12BT, illustrating the integrated handles for convenient carrying.

4. OPERATING INSTRUCTIONS

4.1 Power On/Off

After connecting the power cable, flip the power switch to the 'on' position. The display on the rear panel will illuminate.

4.2 Bluetooth Pairing

To stream audio wirelessly, activate Bluetooth on your mobile device and select the ZLX-12BT from the list of available devices. The speaker's display will indicate a successful connection.

4.3 DSP Control

The ZLX-12BT features a Digital Signal Processor (DSP) with various modes and settings accessible via the master volume knob and display on the rear panel. Push the master volume knob to enter the DSP menu.

- **Modes:** Select from predefined modes such as 'Club', 'Live', 'Music', and 'Speech' to optimize sound for different applications.
- **Location:** Adjust settings based on speaker placement, such as 'Pole' (for tripod/pole mounting) or 'Monitor' (for floor monitoring).
- **Sub:** If using an external subwoofer, you can enable or disable the subwoofer output from the DSP menu.
- **EQ:** Fine-tune the sound by adjusting Treble and Bass levels.
- **Other Settings:** The DSP menu also provides options for LCD display settings (brightness, contrast) and system resets.

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This video demonstrates the various input options and the DSP menu navigation on the Electro-Voice ZLX-12BT loudspeaker, including mode selection and EQ adjustments.

5. MAINTENANCE

To ensure the longevity and optimal performance of your ZLX-12BT loudspeaker, follow these maintenance guidelines:

- **Cleaning:** Use a soft, dry cloth to clean the exterior surfaces. Avoid abrasive cleaners or solvents.
- **Storage:** Store the speaker in a dry environment, away from extreme temperatures and direct sunlight.
- **Protection:** While durable, the speaker is **not waterproof**. Protect it from moisture and direct exposure to liquids.
- **Inspection:** Periodically check cables and connections for any signs of wear or damage.

6. TROUBLESHOOTING

If you encounter issues with your ZLX-12BT loudspeaker, consider the following common troubleshooting steps:

- **No Power:** Ensure the power cable is securely connected to both the speaker and a working power outlet. Check the power switch position.
- **No Sound:** Verify that input sources are properly connected and their gain levels are adjusted. Check the master volume and DSP settings to ensure no mute or incorrect mode is selected.
- **Bluetooth Connection Issues:** Ensure Bluetooth is enabled on your device and the speaker is in pairing mode. Try unpairing and re-pairing the device.
- **Distorted Sound:** Reduce input gain levels or master volume to prevent clipping. Check cable integrity.

If problems persist after attempting these steps, consult the warranty and support information.

7. SPECIFICATIONS

Feature	Detail
Model Name	ZLX-12BT
Manufacturer	Electro-Voice
Speaker Type	Component, Powered Loudspeaker
Woofer Diameter	12 Inches
Tweeter Diameter	1 Inches
Speaker Maximum Output Power	1000 W (Class-D Amplifier)
Peak SPL	126 dB
Connectivity Technology	Bluetooth
Bluetooth Range	10 Meters
Wireless Communication Technology	Bluetooth
Audio Output Mode	Stereo
Material	Polypropylene, Powder-coated Steel
Color	Black
Item Weight	5 Pounds
Product Dimensions	1"D x 1"W x 1"H (Note: These dimensions appear to be placeholder values and may not be accurate for the actual product.)
Is Waterproof	False
Specific Uses For Product	Mobile entertainment events, indoor/outdoor music performances, public speaking events, temporary audio solutions for venues

8. WHAT'S IN THE BOX

The Electro-Voice ZLX-12BT package includes:

- Electro-Voice ZLX-12BT 12-inch 1000W Bluetooth Powered Loudspeaker
- IEC power cable

9. WARRANTY AND SUPPORT

The Electro-Voice ZLX-12BT loudspeaker comes with a Limited Warranty. For detailed information regarding warranty coverage, terms, and conditions, please refer to the documentation included with your product or visit the official Electro-Voice website. For technical support, service, or further inquiries, please contact Electro-Voice customer service.

