Electro-Voice ZLX-12P-G2

Electro-Voice ZLX-12P-G2 12-inch Powered Loudspeaker System User Manual

Comprehensive instructions for setup, operation, and maintenance of your ZLX-12P-G2 powered loudspeakers.

1. INTRODUCTION

Thank you for choosing the Electro-Voice ZLX-12P-G2 Powered Loudspeaker System. This manual provides essential information to help you safely and effectively set up, operate, and maintain your new audio equipment. Please read this manual thoroughly before using the product to ensure optimal performance and longevity.

2. SAFETY INFORMATION

Always observe the following safety precautions to prevent electric shock, injury, or damage to the equipment:

- **Power Source:** Connect the loudspeaker only to a power supply of the type described in this manual and marked on the unit.
- **Grounding:** Ensure the power cord is properly grounded to prevent electrical hazards.
- **Moisture:** Do not expose the unit to rain or moisture. Do not place objects filled with liquids, such as vases, on the unit.
- **Ventilation:** Ensure adequate ventilation. Do not block ventilation openings.
- **Heat:** Do not place the unit near heat sources such as radiators, heat registers, stoves, or other apparatus that produce heat.
- **Servicing:** Do not attempt to service this product yourself. Refer all servicing to qualified service personnel.
- **Speaker Stands:** When using speaker stands, ensure they are stable and correctly assembled. Do not exceed the maximum weight capacity of the stands.

3. PACKAGE CONTENTS

Verify that all items listed below are included in your package:

- 2x Electro-Voice ZLX-12P-G2 12-inch Powered Loudspeakers
- 2x Auray SS-47S-PB Steel Speaker Stands
- 1x Carrying Case for Speaker Stands
- 2x XLR Cables

- 2x Power Cords (not explicitly listed in JSON but implied for powered speakers)
- This User Manual

Figure 3.1: Complete ZLX-12P-G2 Loudspeaker System Bundle, including two loudspeakers, two speaker stands, a carrying case, and two XLR cables.

4. SETUP

4.1 Speaker Placement

The ZLX-12P-G2 loudspeakers offer versatile placement options:

- **Floor Standing:** Place directly on a stable, flat surface.
- **Pole-Mounted:** Use the included Auray SS-47S-PB steel speaker stands. Ensure the pole is securely inserted into

the speaker's pole mount and the stand's legs are fully extended for stability.

- **Monitor/Kick-Back:** The cabinet design allows for use as a floor monitor, angled towards the performer.

Figure 4.1: Front-side view of a single ZLX-12P-G2 loudspeaker, illustrating its compact design suitable for various placements.

Figure 4.2: The included Auray SS-47S-PB steel speaker stands and their carrying case, designed for stable loudspeaker elevation.

4.2 Connecting Cables

Refer to the rear panel for all connections:

- **Power:** Connect the power cord to the MAINS IN socket and then to a suitable AC power outlet.
- **Audio Input:** Use the included XLR cables to connect your audio source (mixer, microphone, instrument) to INPUT 1 or INPUT 2. These inputs accept both XLR and 1/4" TRS/TS connectors. A 3.5mm Aux input is also available for consumer devices.
- **Audio Output:** The MIX OUT XLR connector provides a mixed signal of all inputs for connecting to additional loudspeakers or recording devices.

Figure 4.3: Detailed view of the ZLX-12P-G2 rear panel, showing input/output connections, DSP control, and power switch.

Figure 4.4: An XLR audio cable, commonly used for connecting microphones and mixers to the loudspeaker inputs.

4.3 Initial Power On

After all connections are made, switch the MAINS IN power switch to the ON position. The LCD display will illuminate, indicating the unit is powered on and ready for operation.

5. OPERATING INSTRUCTIONS

5.1 DSP Control and LCD Display

The ZLX-12P-G2 features a 1-knob DSP (Digital Signal Processor) control and an LCD display for easy system configuration. Rotate the knob to navigate menus and press to select options. Adjust settings such as EQ, crossover, and application presets (e.g., Music, Live, Speech, Club).

5.2 Input and Output Gain Controls

Independent gain controls for INPUT 1 and INPUT 2 allow you to adjust the volume of each connected source. The MASTER volume control adjusts the overall output level of the loudspeaker.

5.3 Bluetooth Audio Playback

The ZLX-12P-G2 is Bluetooth-enabled for wireless audio streaming:

1. Activate Bluetooth on your smartphone or laptop.
2. Select the ZLX-12P-G2 from the list of available devices.

3. Once paired, audio from your device will stream wirelessly to the loudspeaker.

5.4 App Control

For advanced control and monitoring, download the official Electro-Voice app (available for smartphone and tablet). The app allows remote adjustment of DSP settings, input levels, and system diagnostics.

6. MAINTENANCE

6.1 Cleaning

Clean the loudspeaker cabinet with a soft, dry cloth. For stubborn dirt, a slightly damp cloth can be used. Do not use abrasive cleaners, solvents, or waxes, as these can damage the finish. Keep the grille free of dust and debris.

6.2 Storage

When not in use, store the loudspeakers in a dry, temperate environment, away from direct sunlight and extreme temperatures. Using protective covers (sold separately) is recommended to prevent dust accumulation and minor damage.

7. TROUBLESHOOTING

If you encounter issues with your ZLX-12P-G2 loudspeakers, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
No sound output	No power; input gain too low; master volume too low; incorrect input selection; faulty cable.	Check power connection and switch; increase input gain and master volume; verify input source; test with a different cable.
Distorted sound	Input signal too high (clipping); master volume too high; incorrect DSP settings.	Reduce input gain or source volume; lower master volume; reset DSP settings or adjust EQ.
Bluetooth connection issues	Device not in pairing mode; loudspeaker already paired to another device; interference.	Ensure loudspeaker is discoverable; disconnect from other devices; move closer to the loudspeaker; restart both devices.
Loudspeaker not powering on	No power from outlet; faulty power cable; internal fault.	Check power outlet with another device; try a different power cable; if problem persists, contact support.

8. SPECIFICATIONS

Key technical specifications for the Electro-Voice ZLX-12P-G2 Powered Loudspeaker:

Feature	Detail
Model Number	ZLX-12P-G2
Speaker Type	2-Way Powered Loudspeaker
Woofer Diameter	12 Inches

Feature	Detail
Tweeter Diameter	1.4 Inches
Amplifier Power	1000W Class-D
Frequency Range (-10 dB)	48 Hz to 18 kHz
Connectivity	2x XLR-1/4" Combo Inputs, 3.5mm Aux Input, XLR Mix Out, Bluetooth
DSP Control	1-Knob with LCD Display
Material (Enclosure)	High-impact polypropylene composite
Dimensions (H x W x D)	Approximately 19"D x 13"W x 12"H (Note: JSON lists D, W, H in a different order)
Item Weight	40 Pounds
Mounting Type	Floor Standing, Pole-Mounted, Monitor/Kick-Back
Wireless Communication	Bluetooth
Control Method	On-board DSP, App
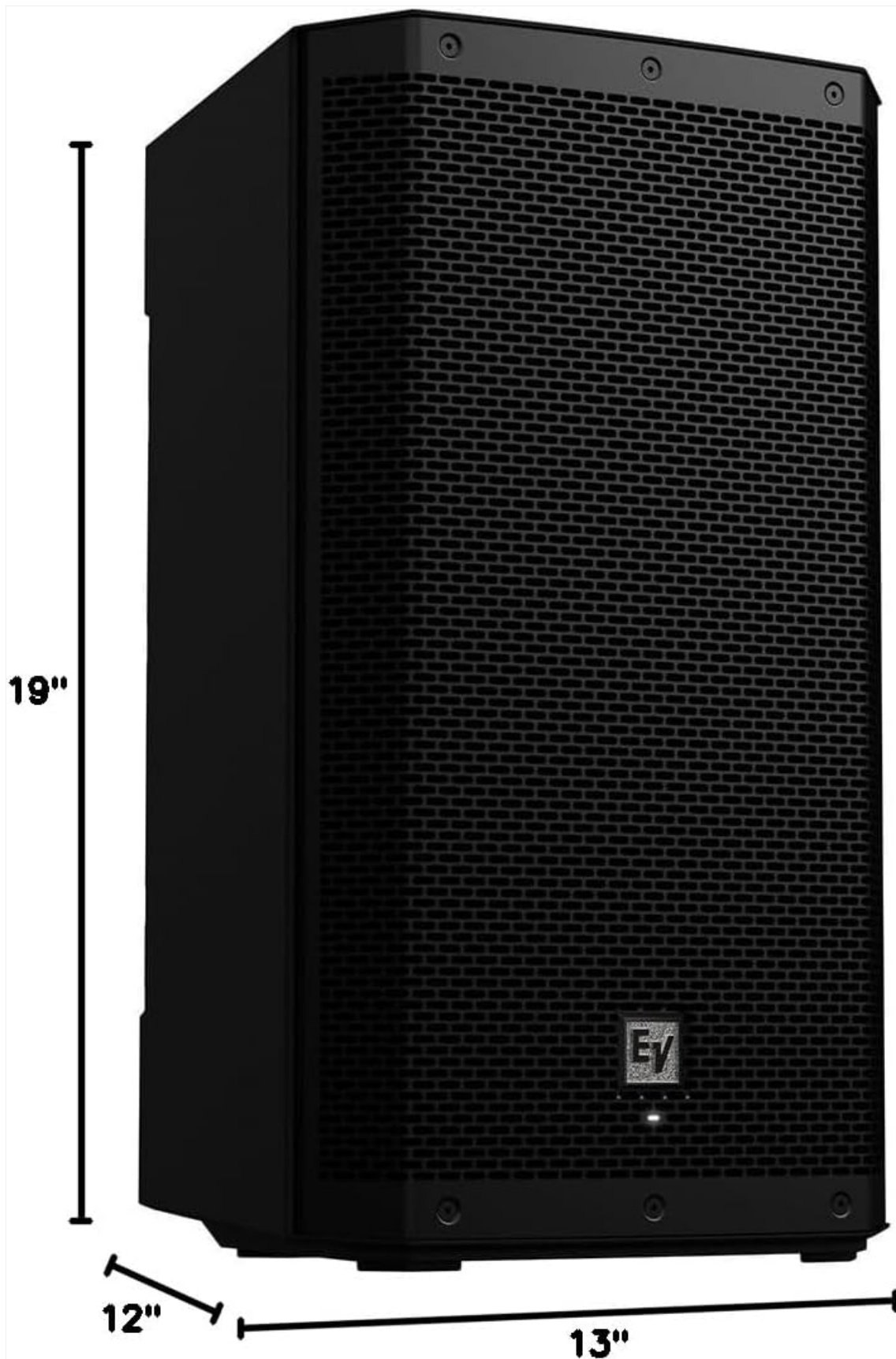
Figure 8.1: Dimensions of the ZLX-12P-G2 loudspeaker, showing approximate height, width, and depth.

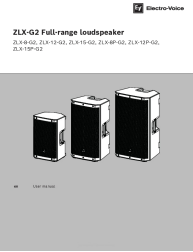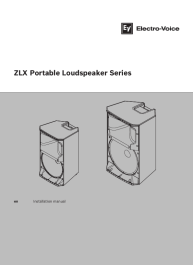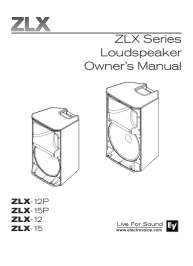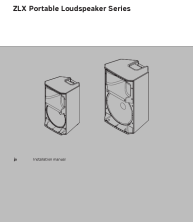## 9. WARRANTY AND SUPPORT

9.1 Warranty Information

The Electro-Voice ZLX-12P-G2 Powered Loudspeaker System is covered by a **Limited 3-Year Manufacturer Warranty**. This warranty covers defects in materials and workmanship under normal use. Please retain your proof of purchase for

warranty claims.

9.2 Customer Support

For technical assistance, warranty service, or further inquiries, please contact Electro-Voice customer support through their official website or authorized service centers. Do not attempt to repair the unit yourself, as this may void your warranty.

Related Documents - ZLX-12P-G2

[Electro-Voice ZLX-G2 Full-Range Loudspeaker User Manual](#)
Comprehensive user manual for the Electro-Voice ZLX-G2 series of full-range loudspeakers, covering setup, operation, features, technical specifications, and troubleshooting for both powered and passive models.

[Electro-Voice ZLX-G2 Series Loudspeaker Quick Start Guide and Setup](#)
Comprehensive guide to setting up, mounting, and pairing the Electro-Voice ZLX-G2 series full-range powered loudspeakers with the QuickSmart Mobile app. Includes quick setup, mounting instructions, and Bluetooth pairing.

[Electro-Voice ZLX Portable Loudspeaker Series: Installation Manual](#)
Comprehensive installation manual for the Electro-Voice ZLX Portable Loudspeaker Series, covering safety, setup, system features, DSP controls, recommended configurations, and troubleshooting for powered and passive models.

[Electro-Voice ZLX Series Loudspeaker Owner's Manual](#)
Comprehensive owner's manual for the Electro-Voice ZLX Series loudspeakers, covering safety instructions, system features, setup, operation, specifications, and troubleshooting for powered and passive models.

[Electro-Voice ZLX Series Loudspeaker Owner's Manual](#)
Comprehensive owner's manual for Electro-Voice ZLX Series powered and passive loudspeakers, covering safety, setup, features, operation, specifications, and troubleshooting.

[Electro-Voice ZLX Portable Loudspeaker Series Installation Manual](#)
This manual provides installation and operational guidance for the Electro-Voice ZLX Portable Loudspeaker Series, covering safety precautions, product features, setup, and troubleshooting.