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Electro-Voice Everse 12

Electro-Voice EVERSE 12 Weatherized Battery-Powered Loudspeaker User Manual

1. INTRODUCTION

The Electro-Voice EVERSE 12 is a robust, battery-powered loudspeaker designed for professional audio applications in various environments, including outdoor settings. It features a 12-inch woofer and a titanium dome compression driver, delivering clear and powerful sound. With up to 12 hours of battery life, it offers significant portability and operational flexibility. This manual provides essential information for the safe and effective setup, operation, maintenance, and troubleshooting of your EVERSE 12 loudspeaker.





Figure 1: Front angled view of the Electro-Voice EVERSE 12 loudspeaker.

2. SETUP

Follow these steps for the initial setup of your EVERSE 12 loudspeaker:

1. **Unpacking:** Carefully remove the EVERSE 12 from its packaging. Verify that all included components are present: the EVERSE 12 loudspeaker, power cable, and weatherized input cover.
2. **Charging the Battery:** Before first use, fully charge the internal battery. Connect the provided power cable to the AC inlet on the rear panel of the speaker and plug it into a suitable power outlet. The charging indicator will illuminate.

3. **Placement Options:** The EVERSE 12 is designed for versatile placement:

- **Upright on a Stand:** Utilize the integrated 35mm pole mount for elevated sound projection.
- **Floor Monitor Position:** Place the speaker on its side using the angled surfaces for use as a stage monitor.
- **Kick-Back Position:** Use the integrated feet to tilt the speaker upwards for optimal audience coverage when placed on the ground.

4. **Initial Audio Connections:**

- **Microphone/Line Inputs:** Connect your audio sources (microphones, instruments, or mixers) to INPUT 1 and INPUT 2. Both are XLR/TRS combo jacks. INPUT 1 supports 48V phantom power for condenser microphones.
- **Stereo Input:** For connecting mobile devices or other stereo sources, use the 3.5mm stereo input.
- **Bluetooth Audio:** For wireless audio streaming, ensure your device's Bluetooth is enabled and ready for pairing.

5. **Weatherized Input Cover:** When operating the speaker outdoors or in potentially wet conditions, attach the weatherized input cover to protect the rear panel connections and maintain the IP43 rating.





Figure 2: Rear panel connections and controls.

3. OPERATING INSTRUCTIONS

Once set up, operate your EVERSE 12 using the onboard controls or the QuickSmart Mobile app:

1. **Power On/Off:** Press and hold the power button located on the rear panel for approximately 2 seconds to turn the unit on or off.
2. **Master Volume Adjustment:** Rotate the MASTER VOLUME knob to adjust the overall output level of the loudspeaker.
3. **QuickSmartDSP Control:** Press the MASTER VOLUME knob to access the QuickSmartDSP menu on the integrated display. This menu allows you to:
 - **Mixer Settings:** Adjust individual input levels, equalization (EQ), and apply effects for each channel.
 - **Effects Selection:** Choose from various studio-quality effects, such as reverb, to enhance your sound.
 - **System Presets:** Select optimized sound modes (e.g., Music, Speech, Live) tailored for different applications.
 - **Subwoofer Integration:** Configure settings for seamless integration with an external subwoofer.
4. **Bluetooth Audio Streaming and Control:**
 - **Pairing for Audio:** Press and hold the Bluetooth button on the rear panel to enter pairing mode. On your audio source device, select "EVERSE 12" from the list of available Bluetooth devices.
 - **QuickSmart Mobile App:** Download the Electro-Voice QuickSmart Mobile app from your device's app store. This app provides comprehensive wireless control and monitoring of all speaker functions, including mixer settings, effects, and system parameters, from your smartphone or tablet.

- **True Wireless Stereo (TWS):** For a wider soundstage, two EVERSE 12 units can be paired wirelessly for true stereo audio playback. Refer to the QuickSmart Mobile app for detailed TWS setup instructions.
5. **Phantom Power Activation:** If using a condenser microphone with INPUT 1, activate 48V phantom power through the QuickSmartDSP menu or the QuickSmart Mobile app.
 6. **Audio Ducking:** Enable the audio ducking feature via the DSP menu or app. This automatically lowers background music volume when a microphone signal is detected, ensuring clear vocal intelligibility.



Figure 3: QuickSmartDSP display for onboard control.

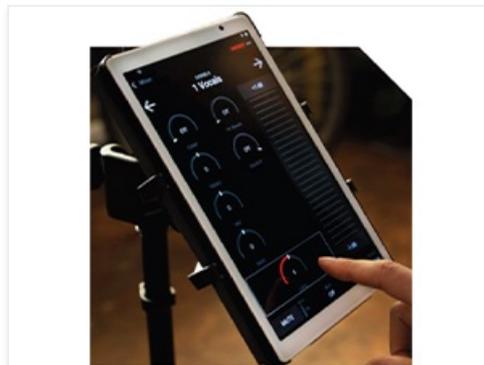


Figure 4: Wireless control via the QuickSmart Mobile app.

4. KEY FEATURES

- **Powerful Audio Performance:** Equipped with a 12-inch woofer and a titanium dome compression driver, the EVERSE 12 delivers a significant 5 dB increase in SPL over the EVERSE 8, providing deep bass and clear highs.
- **Extended Battery Life:** The integrated battery offers up to 12 hours of run time at 100 dB, ensuring reliable performance for extended events without constant power access.
- **Weatherized Design (IP43 Rated):** The rugged polypropylene enclosure, combined with the weatherized input cover, provides IP43 protection against splashes and light rain, making it suitable for diverse indoor and outdoor applications.
- **Integrated 4-Channel Digital Mixer:** Features a built-in digital mixer with studio-quality effects, equalization, 48V phantom power, feedback suppression, and audio ducking, all powered by Dynacord.
- **Wireless Connectivity and Control:** Bluetooth functionality allows for seamless audio streaming and comprehensive remote control via the Electro-Voice QuickSmart Mobile app. True Wireless Stereo (TWS) pairing is also supported for stereo setups.
- **Portable and Lightweight:** Designed for easy transport and setup, weighing approximately 38.1 pounds.
- **Flexible Placement:** Supports pole-mounting, floor monitor, and kick-back positions to adapt to various performance needs.



Figure 5: Weatherized design for outdoor use.



Figure 6: Portability with optional carry bag.

5. MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your EVERSE 12 loudspeaker:

- **Cleaning:** Clean the exterior surfaces with a soft, dry cloth. For more persistent dirt, a slightly damp cloth can be used. Avoid using abrasive cleaners, solvents, or harsh chemicals, as these can damage the finish.
- **Weatherized Input Cover:** Always ensure the weatherized input cover is properly installed when the speaker is used outdoors or in environments where it might be exposed to moisture. This is crucial for maintaining the speaker's IP43 water-resistant rating.
- **Battery Care:** To maximize battery lifespan, avoid frequent deep discharges. If storing the unit for an extended period, ensure the battery has a partial charge (e.g., 50%) rather than being fully charged or completely depleted.
- **Storage:** Store the loudspeaker in a cool, dry environment, away from direct sunlight, extreme temperatures, and high humidity.

- **Inspection:** Periodically inspect cables, connectors, and the speaker enclosure for any signs of wear or damage.

6. TROUBLESHOOTING

If you encounter issues with your EVERSE 12, refer to the following common troubleshooting steps:

- **No Power:**
 - Ensure the power cable is securely connected to both the speaker and a functional power outlet.
 - Check if the internal battery is charged. Connect to AC power to verify.
 - Confirm the power button is pressed and held for the required duration to power on the unit.
- **No Sound Output:**
 - Verify all audio cables are correctly and securely connected to both the speaker and the source device.
 - Check that the master volume and individual channel input levels are not set to minimum or muted.
 - Ensure the correct input source is selected in the QuickSmartDSP menu or the mobile app.
 - If using Bluetooth, confirm that your device is successfully paired and that audio is actively playing from the source.
- **Distorted Sound:**
 - Reduce the input levels from your source device or the master volume on the speaker to prevent clipping (indicated by a red clip LED).
 - Inspect audio cables for damage or loose connections.
 - Adjust EQ settings in the QuickSmartDSP to address frequency imbalances.
- **Bluetooth Connection Issues:**
 - Ensure the speaker is in Bluetooth pairing mode.
 - Move your source device closer to the speaker (within the 15-meter range).
 - Toggle Bluetooth off and on on both the speaker and your source device.
 - On your source device, 'forget' the EVERSE 12 from your Bluetooth settings and attempt to re-pair.
- **QuickSmart Mobile App Control Issues:**
 - Ensure the QuickSmart Mobile app is updated to the latest version.
 - Verify that the Bluetooth connection between the speaker and your control device is active.
 - Try restarting the app and the EVERSE 12 loudspeaker.

7. SPECIFICATIONS

Feature	Specification
Model Name	EVERSE 12
Speaker Type	Outdoor, Battery-Powered Loudspeaker
Woofers Diameter	12 Inches (30.5 Centimeters)
Speaker Maximum Output Power	400 Watts

Feature	Specification
Frequency Response	55 Hz (lower limit)
Battery Life	Up to 12 hours
IP Rating	IP43 (with weatherized input cover)
Connectivity Technology	Bluetooth
Bluetooth Range	15 Meters
Control Method	App (QuickSmart Mobile), Onboard DSP
Material	Polypropylene
Item Weight	38.1 Pounds (17.28 kg)
Product Dimensions (L x W x H)	23.5 x 13.7 x 13.6 inches (59.7 x 34.8 x 34.5 cm)
Input Voltage	12 Volts
Audio Output Mode	Stereo
Included Components	EVERSE 12 Loudspeaker
UPC	800549370998

8. WARRANTY AND SUPPORT

The Electro-Voice EVERSE 12 is covered by an extended warranty. For complete details regarding your warranty coverage, please refer to the warranty documentation included with your product or visit the official Electro-Voice website. For technical assistance, product registration, or any service-related inquiries, please contact Electro-Voice customer support through their official channels or online support portal.