

4

Operation

4.1

Installation and charging of battery pack

EVERSE loudspeakers come pre-installed with a high capacity Li-Ion battery pack. Charge the battery for 24 hours before the first use to ensure maximum battery run time and life expectancy.

To charge the battery:

- ▶ Plug the **MAINS IN** while the battery is installed in the EVERSE .

After the first full charge, the expected battery charge times are as follows:

- 4 hours or less with no signal and the power switched off.
- 6 hours or less with the power switched on and audio playing at high output levels.

The LCD will display  **CHARGING** while the battery is charging with the power switched off. The LCD will display  **FULL** when the battery has reached full charge.

Notice!

Battery self-discharge

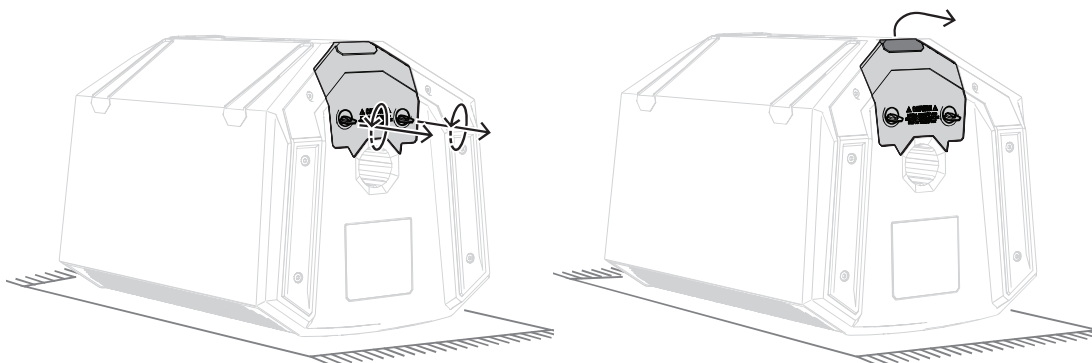
All Li-Ion batteries experience self-discharge over extended periods (several months). If a battery sits for an extended period without being charged, the battery may fully discharge. It may take longer than normal to fully recharge. If this occurs, allow the battery to charge a full 24 hours again before using.

Inspect your loudspeaker and battery monthly and recharge the battery. This will help maintain the batteries run time and extend its useful life.



To remove and reinstall the battery for inspection or replacement:

1. Place the loudspeaker grille side down with the battery door facing you on a flat non-scratching surface such as a workbench with a rubber mat.
2. Fully loosen the two finger tab screws by turning them counter-clockwise.
3. Gently but firmly pull on the battery pack by the finger pull located on the back of the battery door.



4. To reinstall the battery pack, follow the previous steps in reverse.

**Notice!**

Ensure that the battery door is fully seated before tightening the finger tab screws. Finger tighten only until snug. Do not over tighten or use excessive torque. This may cause damage.

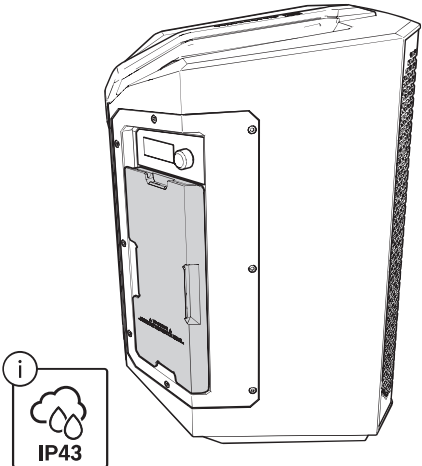
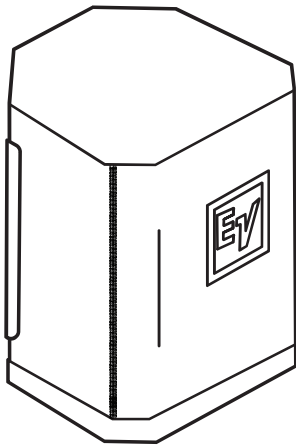
4.2

Weatherization

When the weatherized input cover is installed, the EVERSE loudspeaker is designed to be weather resistant to IP 43 standards, but not waterproof. The weather resistance may be reduced by damage, repair, improper disassembly, and regular wear and tear. Always inspect the EVERSE and accessories before and after every use. Allow the loudspeaker and components to dry before storage or between uses.

The EVERSE loudspeaker with weatherized input cover installed is intended only for temporary use in wet or damp environments. The loudspeaker is not intended to be exposed continuously to moisture over long periods of time. Do not expose to salt water or spray, do not expose to chlorine or use in high chlorine environments.

To use the loudspeaker in wet and damp environments safely:

 Use the weatherized input cover when on battery power and when using Bluetooth® streaming and control. Refer to <i>Installation of weatherized input cover</i>, page 26.	 Use the Electro-Voice approved accessory rain resistant cover when on mains power, or when any of the I/O connectors are needed. Refer to the accessory user guide for proper installation and use of rain resistant cover.
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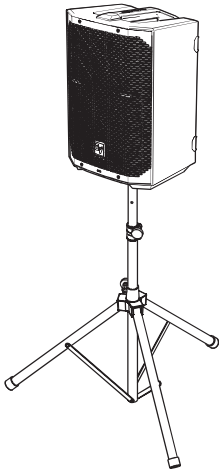
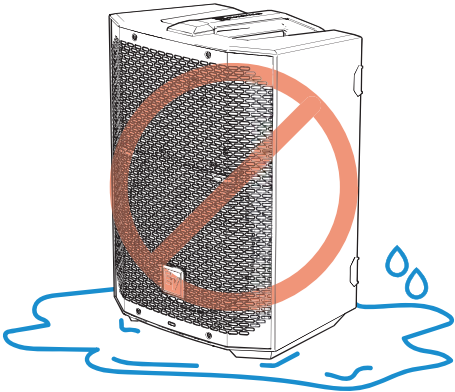
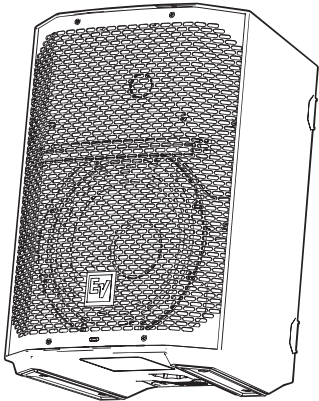
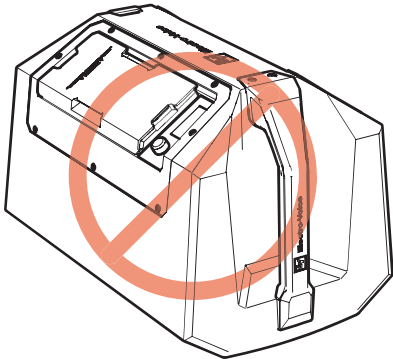
**Warning!**

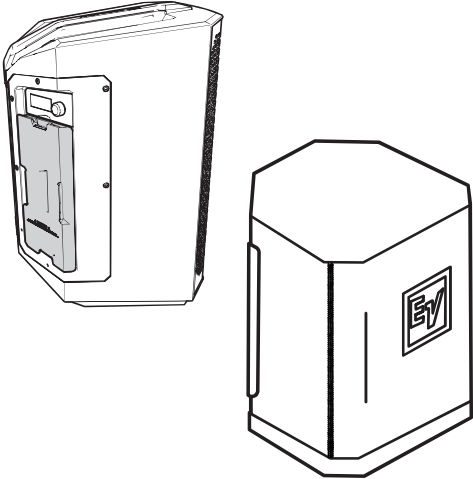
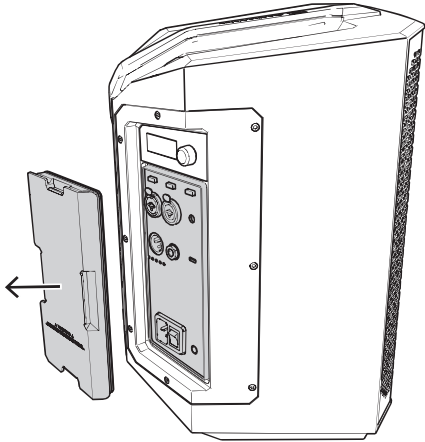
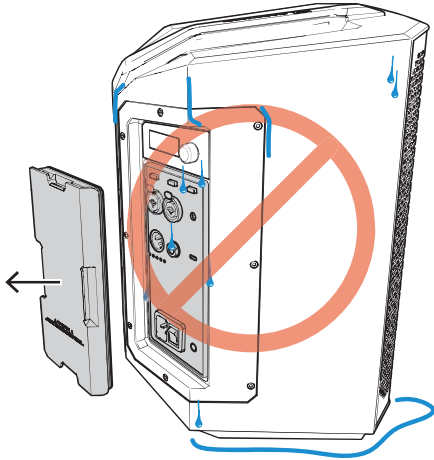
Only use EVERSE products in the manner explicitly called out in this section. Failure to do so may result in product failure or serious injury.

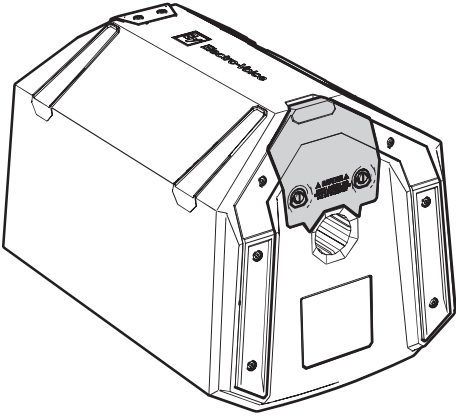
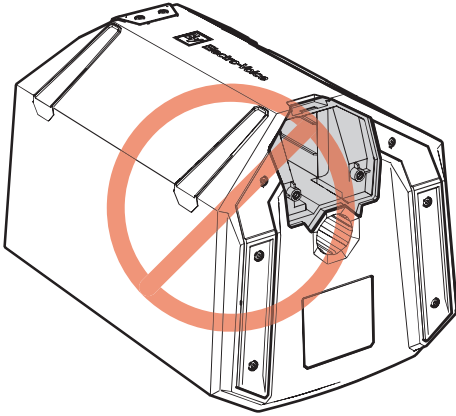
**Warning!**

Only use Electro-Voice approved accessories.

Using the loudspeaker in damp or wet environments

Correct Place the loudspeaker on an elevated, level, stable surface, or on a tripod. 	Incorrect DO NOT place the loudspeaker in a puddle or standing water. 
Always orient the loudspeaker upright, in the KICKBACK mode, or in the MONITOR mode. 	DO NOT place or transport the loudspeaker upside down, or on the amp panel side to prevent water ingress. 

Correct Always use the supplied weatherized input cover (refer to <i>Installation of weatherized input cover</i>, page 26) or the Electro-Voice approved accessory rain resistant cover in wet or damp environments. 	Incorrect DO NOT use the EVERSE loudspeaker in damp or wet environments without the weatherized input cover or the accessory rain resistant cover. 
Dry the product and the weatherized input cover after use, prior to removing the weatherized input cover. 	DO NOT remove the weatherized input cover while wet. If so, water may access the IO panel. 

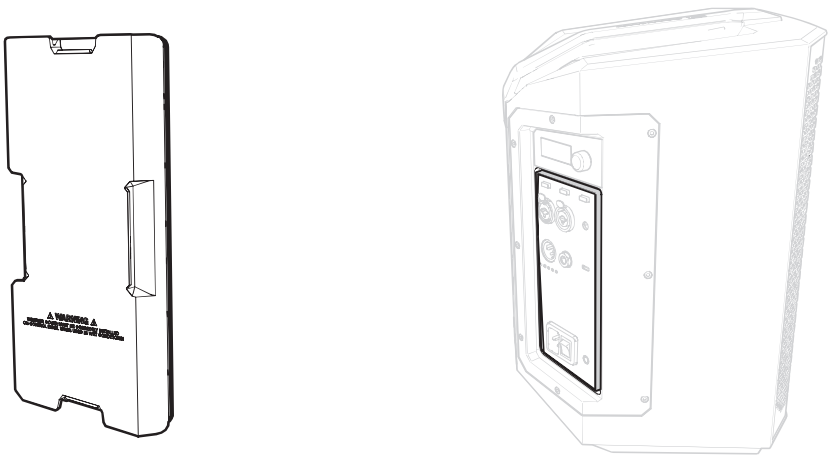
Correct	Incorrect
Always ensure the battery is properly installed when operating in a wet or damp environment. 	DO NOT use in wet or damp environments when the battery is not installed. This may result in moisture entering the battery bay. 

4.3 Installation of weatherized input cover

The weatherized input cover must be installed when the EVERSE loudspeaker is intended to be used in wet or damp conditions. When the weatherized input cover is installed, the EVERSE loudspeaker will be water resistant to IP43 standards. The EVERSE loudspeaker is able to operate under battery power and Bluetooth® streaming for audio, and control with the weatherized input cover installed.

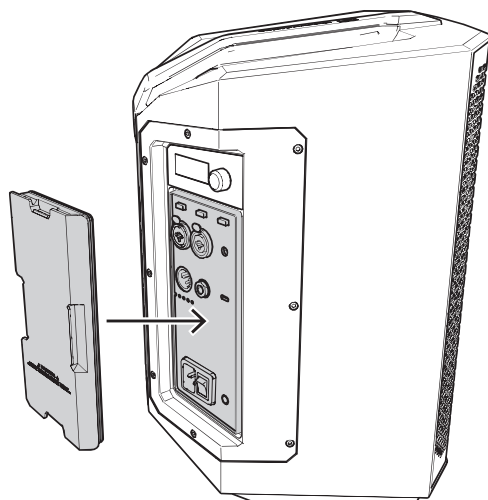
To install the weatherized input cover:

- 1. Ensure that the weatherized input cover is fully intact, dry, clean and the gasket is in good condition.
- 2. Ensure that the input panel on the EVERSE loudspeaker is dry, clean, and the mating channel around the input connectors is dry and free of any dust or debris that would prevent a good seal.



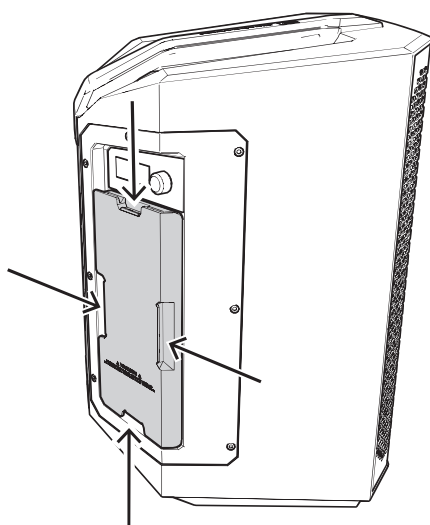
- 3. Power on the loudspeaker.

4. Install the weatherized input cover by pressing it firmly in order to fully seat the gasket in the mating channel on the amplifier input panel.
The weatherized input cover will be flush with the adjacent panels of the loudspeaker.



To remove the weatherized input cover:

- ▶ Pull the cover carefully and evenly using the finger pull-tabs.



4.4 Tripod or pole mount

EVERSE loudspeakers mount on a tripod stand or on a pole above a subwoofer.

Mounting a loudspeaker on a tripod stand



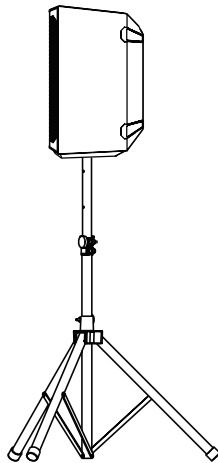
Caution!

Check the specifications of the tripod stand to be certain it is capable of supporting the weight of the loudspeaker.

To mount a loudspeaker on a tripod stand:

1. Place the tripod stand on a level and stable surface.
1. Fully extend the legs on the tripod stand.

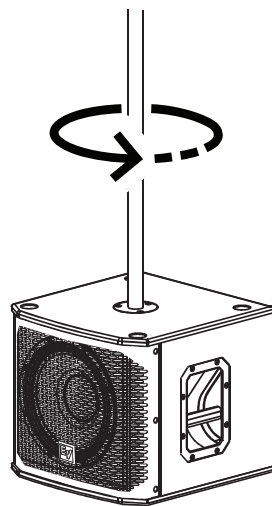
2. Do not compromise the tripod stand's structural integrity by trying to make the stand taller.
3. Do not attempt to mount more than one loudspeaker on a stand designed for a single loudspeaker.
1. Lift the loudspeaker using two hands.
2. Set the pole cup located on the bottom of the loudspeaker onto the pole.



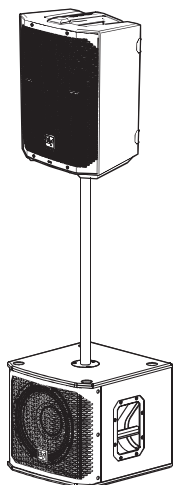
Mounting a loudspeaker on a pole

To mount a loudspeaker on a pole:

1. Place the subwoofer on a level and stable surface.
2. Insert the M20 threaded pole into the combo pole cup on the top of the subwoofer.
3. Turn the M20 threaded pole clockwise to secure the pole to the subwoofer.



4. Lift the loudspeaker using two hands.
5. Set the loudspeaker location to **TRIPOD** in the DSP control menu.
6. Select the corresponding **LOW PASS** setting for your subwoofer.

**Notice!**

Select **LOCATION TRIPOD** in menu or app for best sound.

4.5**Floor monitor & kickback**

EVERSE loudspeakers may be used as a floor monitor or in kickback position by placing the loudspeaker on one of the two integral monitor angles.

Setting up a loudspeaker as a floor monitor

To set up a loudspeaker as a floor monitor:

1. Place the loudspeaker on a level and stable surface.
2. Safely route cables to prevent injury to performers, production crew, and audience members.
3. Set the loudspeaker location to **MONITOR** in the DSP control menu.

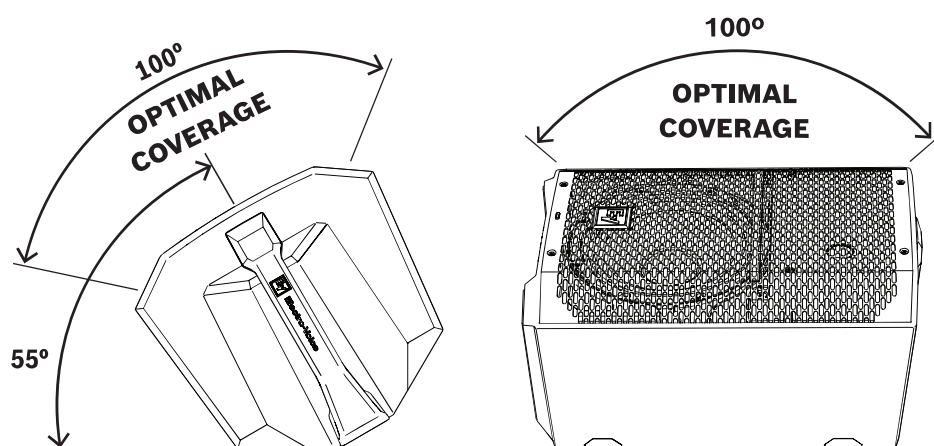


Figure 4.1: EVERSE 8 optimum coverage in monitor position (side view left and front view right)

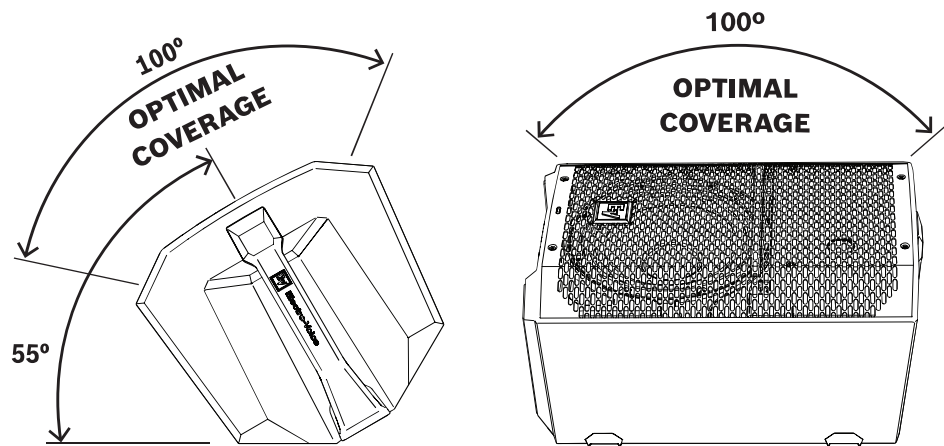
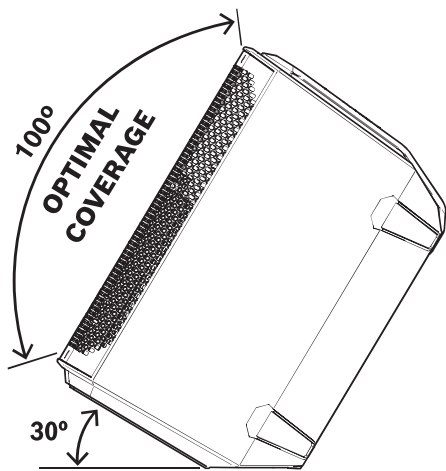


Figure 4.2: Placeholder for EVERSE12 coverage illustration

Setting up a loudspeaker in kickback position

To set up a loudspeaker in kickback position:

- 1. Place the loudspeaker on a level and stable surface.
- 2. Tilt the loudspeaker rearward to rest securely in the kickback position.
- 3. Safely route cables to prevent injury to performers, production crew, and audience members.
- 4. Set the loudspeaker location to **KICKBACK** in the DSP control menu.



EVERSE 8 optimum coverage in kickback position.

Placeholder for EVERSE12