

## Electro-Voice X1212/120 Compact 12 inch 120deg Vertical Line-Array Loudspeaker System

The X1-212/120 from Electro-Voice is a two-way vertical line array loudspeaker that can be used in a wide variety of applications where wide bandwidth, vertical and horizontal directivity control, and high efficiency are required in a compact cost-effective package.

The high frequency section of the X1-212/120 utilizes two (2) ND2R high-output 2-inch titanium compression drivers directly coupled to a pair of WCH Plane Wave Generators on a 120° waveguide optimized for uniform pattern control and smooth, linear response. The low frequency section utilizes a SMX2121 12-inch woofer which was developed using Finite Element Analysis optimization for motor, suspension, and electrical design to provide low distortion, high efficiency, and maximum intelligibility at high SPL. The woofer is coupled to an MBH which effectively emulates the acoustic behavior of a double line of four (4) 3-inch point sources to deliver superior mid-band coupling while maintaining the efficiency, power, and bandwidth of a 12-inch transducer. The passive crossover employs a steep, eighth order topology resulting in acoustic crossover slopes approaching 96- dB per octave for linear summation and smooth offaxis response with passive equalization for improved definition over the critical vocal range regardless of array size.

The X1-212/120 is an ideal cost effective solution for many live sound reinforcement and fixed-install applications. The vertical trapezoidal enclosure is constructed of weather-resistant birch plywood and coated with EVCoat for enhanced durability. The enclosure features the IRS, a captive twist-lock multiangle arraying system designed by Electro-Voice to significantly reduce load-in/load-out time of any size array. IRS has been engineered with the flexibility to deploy a system using the two (2) most common methods of array set-up:

- Compression method by using a pull-up kit (Sold separately).
- Fixed angles locked by using secondary rigging pins (Included).

X1-212/120 with IRS rigging is rated for use for up to 24 elements for normal arrays. LAPS 3 or higher (Line Array Prediction Software) accurately provides fast array configuration for coverage results, rigging details, and allowed rigging configurations. It also provides information for the creation of steered/ shaped subwoofer arrays.

The input panel provides dual Neutrik NL8 connectors for fast connectivity between loudspeakers. Passive/Bi-amp operation is selected via an internal connector.

The advanced acoustic and mechanical designs of X1 series loudspeakers, combined with LAPS 3, provide the tools and flexibility to easily design and deploy vertical line array systems.

X1-212/120 is designed to be used as a wide coverage system using all 120° elements, or as the near-field element in a combined line array positioned below 90° elements.

### Features:

- Integrated Rigging System - (IRS)
- Mid-Band Hydra Line Source Technology - (MBH)
- Wavefront-shaping Circular Hydra - (WCH)
- Proprietary Electro-Voice FIR-Drive settings
- Compatible with all grids and dollies currently available for 90-degree versions
- New IRIS-Net speaker settings, EASE files, EDS documents, and LAPS 3.3 are available