

X - L I N E   A D V A N C E

COMPACT 12" VERTICAL LINE-ARRAY  
LOUDSPEAKER SYSTEM

XONE

INSPIRED ENGINEERING,  
AWE-INSPIRING PERFORMANCE

“

EV HAS A HERITAGE  
TO LIVE UP TO AS A  
**LINE-ARRAY  
PIONEER.** THAT'S  
WHY WE WANTED TO  
TAKE THE TECHNOLOGY  
SOMEWHERE NEW.

”

XONE

SPECIFICATIONS	X1-212/90	X12-128
Frequency Response (-3 dB):	57 Hz – 16 kHz	33 – 200 Hz
Horizontal Coverage:	90° horizontal	Omni directional
System Sensitivity:	98 dB (1 W/1 m)	105 dB
LF Transducer:	12" SMX2121	2 x 18" DVF4180
HF Transducer:	Two 2" ND2R	NA
Configuration:	Passive, Biamp	Passive, Biamp
Enclosure Material:	EVCoat-coated birch plywood	EVCoat-coated birch plywood
Dimensions (H x W x D):	13.5" x 28.8" x 21.04" (34.29 cm x 73.08 cm x 53.44 cm)	20.38" x 43.50" x 29.88" (51.76 cm x 110.49 cm x 75.89 cm)
Net Weight:	92 lb (41.73 kg)	195 Lbs (88.45 kg)



XONE

X - L I N E   A D V A N C E

COMPACT 12" VERTICAL LINE-ARRAY LOUDSPEAKER SYSTEM





THE X1 SYSTEM COMBINES INNOVATIVE NEW TECHNOLOGIES AND TIME-SAVING FEATURES TO ADVANCE THE STATE OF HIGH-END SOUND REINFORCEMENT. THE COMPACT DESIGN OF THE X1 ENABLES ITS USE IN A WIDE VARIETY OF APPLICATIONS.

AN IDEAL CHOICE FOR...

- Small and mid-sized houses of worship
- Local and regional rental companies
- Corporate events
- Clubs and entertainment venues



Developed using the latest Multiphysics software, three new technologies form the core of the X1 system:



FORWARD-THINKING LINE-ARRAY DESIGN

A driving force in concert sound reinforcement since its beginning, EV is dedicated to developing products that exceed the ever-higher expectations of audiences, performers, and production professionals the world over. We channel our industry-leading engineering experience and R&D resources towards product designs that push the art and science of sound forward, rather than following the pack.

To achieve our goal of creating a line array with the best acoustic and mechanical performance, we talked to dozens of touring professionals and combined their real-world insight with our decades of line-array know-how.

The result is the next generation of our legendary X-Line family, offering breakthrough new components that work together to surpass the performance of other leading line arrays, and all in a more compact, flexible, and faster-to-set-up package.

Designed, engineered, and tested for ultimate reliability by Electro-Voice in the USA.

1

MID-BAND HYDRA (MBH) SUPERIOR BOX COUPLING

The 12" SMX woofer in the X1 is coupled to an EV-exclusive Mid-Band Hydra device that effectively emulates the acoustic behavior of a double line of four 3" point sources to deliver superior mid-band coupling of the array while maintaining the efficiency, power, and bandwidth of a 12" transducer.



2

WAVEFRONT-SHAPING CIRCULAR HYDRA (WCH) EXTENDED LINEAR HF PERFORMANCE

The revolutionary HF section in the X1 incorporates two new ND2R ring-exit high-output 2" titanium compression drivers coupled to a pair of WCH constant energy planar wave generators on a 90° waveguide optimized for high efficiency, uniform pattern control, and smooth, extended, linear response. The ring-coupled ND2R and WCH circular hydra eliminates wave distortion, maximizing the acoustic output of this medium-format compression driver with in-phase summation past 16 kHz.

3

INTEGRATED RIGGING SYSTEM (IRS) QUICK SETUP

A captive twist-lock multi-angle arraying system designed by EV to simplify the rigging of any size of array, significantly reducing load in/out time and production costs. IRS has been engineered with the flexibility to deploy a system using the two 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)

“ THE MOST **MASSIVE LF OUTPUT** CAPACITY OF ANYTHING WE'VE EVER DESIGNED. ”

X12-128: DUAL 18" SUBWOOFER SYSTEM

The X-Line Advance X12-128 subwoofer produces the greatest low-frequency impact and performance EV has ever developed. It is truly a state-of-the-art compact cabinet that delivers more LF output in a smaller footprint than other subwoofers available today.

In addition to its extremely high output capability, the X12-128 is designed to acoustically match seamlessly with any X-Line Advance top cabinet. It offers superior configuration flexibility for easier system design and setup, making it the standout subwoofer choice for any larger-format live or installed audio application.



X SERIES SUBWOOFER FEATURES

- High-output, high-impact dual 18" subwoofer system
- Super-high-output DVF4180 woofers for low distortion at extremely high SPLs
- Dual front and rear signal connection points for flexibility in system configurations, including cardioid setup for increased focus of low-frequency output
- Compact cabinets with low-profile footprint, suitable for under-stage applications
- 105 dB sensitivity (1 W/1 m half space)
- Power handling: 4000 W continuous, 16,000 W peak
- 141/147 dB maximum SPL (continuous/peak)

“ WE WORKED CLOSELY WITH OUR PARTNERS IN THE FIELD TO DEVELOP **TIME-SAVING FEATURES** THAT MAKE SENSE FOR THEM AND THEIR APPLICATIONS. ”

“ THERE'S A GREAT DEAL OF PASSION IN THESE BOXES – **A REAL COMMITMENT** TO RAISING THE BAR. ”

X-LINE ADVANCE ADDITIONAL KEY FEATURES

- EV-designed and manufactured components.
- Proprietary FIR-Drive performance optimization.
- Input panels provide dual Neutrik™ NL8 connectors for fast connectivity between loudspeakers.
- LAPS (Line Array Prediction Software) – accurately provides fast array configuration, rigging details, and coverage results. Also provides information for the creation of steered/shaped subwoofer arrays.
- Streamlined styling for both live performance and any installation environment.