

X - L I N E A D V A N C E

HIGH-PERFORMANCE COMPACT 12" VERTICAL
LINE-ARRAY LOUDSPEAKER SYSTEM

XTWO

MORE OUTPUT THAN OTHER COMPACT
SYSTEMS ON THE MARKET

XTWO

SPECIFICATIONS	X2-212/90	X12-128
Frequency Response (-3 dB):	52 Hz – 19 kHz	33 – 200 Hz
Horizontal Coverage:	90° horizontal	Omni directional
System Sensitivity:	101 dB (1 W/1 m)	105 dB
LF Transducer:	12" DVN3125	2 x 18" DVF4180
HF Transducer:	Two 3" ND6A	NA
Configuration:	Biamp only	Passive, Biamp
Enclosure Material:	EVCoat-coated birch plywood	EVCoat-coated birch plywood
Dimensions (H x W x D):	13.5" x 28.77" 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:	93 lb (42.18 kg)	195 Lbs (88.45 kg)

“

OUR GOAL WAS TO BUILD
SOMETHING TRULY DESERVING OF
THE INDUSTRY’S ATTENTION – LINE-ARRAY

PRODUCTS THAT DELIVER **ADVANCED**
PERFORMANCE ACROSS EVERY DETAIL. ”



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THE X2 SYSTEM PROVIDES HIGH SPL CAPABILITY, EXTENDED HF RESPONSE, AND LINEAR LF OUTPUT FOR MORE PERFORMANCE THAN PREVIOUSLY POSSIBLE IN AN EXTREMELY COMPACT CABINET.

DELIVERS THE SPL, BANDWIDTH, AND COVERAGE NEEDED FOR DEMANDING APPLICATIONS, INCLUDING...

- Large houses of worship
- Concert and tour sound events
- Sports venues
- Theaters and performing arts venues



Developed using the latest Multiphysics software, four new technologies form the core of the X2 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 DVN3125 12" NEODYMIUM WOOFER HIGHER OUTPUT, LOWER DISTORTION

For low frequencies, the new, high-sensitivity DVN3125 woofer was developed using Finite Element Analysis to optimize motor, suspension, and electrical design for very low distortion, high efficiency, and maximum intelligibility at high SPL.



2 MID-BAND HYDRA (MBH) SUPERIOR BOX COUPLING

The DVN3125 12" woofer in the X2 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.

3 ADVANCED PDH PIN DIFFRACTION HYDRA CONTROLLED LINEAR HF PERFORMANCE

To satisfy the most demanding system applications, the HF section of the X2-212/90 matches two ND6A high-output 3" titanium compression drivers to the pair of Advanced PDH Pin Diffraction Hydra constant energy planar wave generators on a 90° waveguide. The Advanced PDH Pin Diffraction Hydra provides full control of the acoustic wave, eliminating wave distortion with in-phase summation to 20 kHz. All array elements sum seamlessly together to deliver consistent pattern control and smooth, extended, linear response for any array configuration.

4 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)

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.

“ EVERY PART OF X-LINE ADVANCE IS DESIGNED TO MOVE THE NEEDLE PAST ITS PEERS BY DELIVERING **MORE OUTPUT, WIDER BANDWIDTH, AND SUPERIOR COVERAGE CONTROL** – ALL IN AN INCREDIBLY COMPACT PACKAGE. ”