



# X-TWO

X-LINE ADVANCE

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



**Electro-Voice**

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LINE-ARRAY LOUDSPEAKER SYSTEM

**XTWO**

MORE OUTPUT THAN OTHER COMPACT  
SYSTEMS ON THE MARKET

“ OUR GOAL WAS TO BUILD  
SOMETHING TRULY DESERVING OF  
THE INDUSTRY'S ATTENTION - LINE-ARRAY  
PRODUCTS THAT DELIVER **ADVANCED**  
**PERFORMANCE** ACROSS EVERY DETAIL. ”

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.



#### 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.

“ 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. ”

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:

**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.

# 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 28.5" x 21.125" (34.29 cm x 72.39 cm x 53.66 cm) | 20.375" x 43.500" x 29.875" (51.75 cm x 110.49 cm x 75.88 cm) |
| Net Weight:                 | 93 lb (42.18 kg)   | 195 Lbs (88.45 kg)  |



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