



CROSSFIELDARRAY™

LONG THROW ALL-WEATHER
LOUDSPEAKER SYSTEM

ONE SYSTEMS®

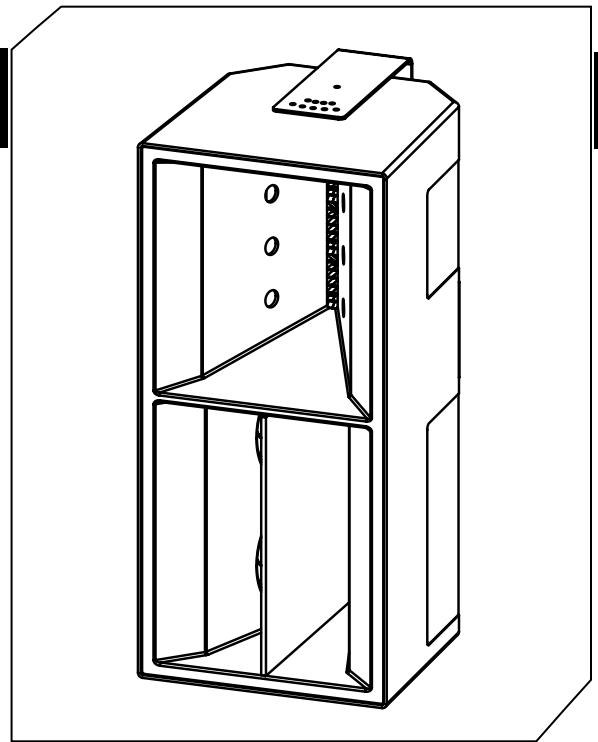
The One Systems® CrossField Array™ was designed to provide very high acoustic output and premium intelligibility when long-throw capability is required. The CrossField Array is a vertical array system that delivers a nominal 50 degree horizontal by 20 degree coverage pattern in its vertically-stacked configuration. This configuration provides substantially-reduced time domain interaction between the bass / mid bass and high frequency portions of the frequency spectrum. Many conventional designs employ “nested” horns that generate substantial time domain distortions and coloration. One Systems models are designed to produce superior vocal intelligibility and clarity in critical applications.

The CrossField Array is a direct-weather design that features a three-layer stainless steel grille assembly. Its enclosure is made of laminated fiberglass with high safety factor structural rigging points molded into the enclosure's shell. There are 11 x M10 rigging points built into the enclosure. The optional CFA-U U-Bracket is available for applications where the speaker will be wall or pole mounted. The CrossField Array is also compatible with the One Systems' Pole Mount System EX-2 if vertical tilt requirements are specified.

The CrossField Array is a two-way design that features four neodymium-powered 10-inch (254 mm) diameter low-frequency drivers loaded in a high-Q, wide-bandwidth horn assembly. Each low frequency driver offers very high power handling and excellent reliability. The horn's low frequency design provides excellent loading for the 10 inch drivers to below 100 Hz.

The CrossField Array's high-frequency section consists of 3 medium-format titanium diaphragm compression drivers loaded in an amplitude-shaded vertical array. The amplitude shading insures the necessary vertical included angle radiation to beyond 8 kHz. The three drivers are coupled to a 50 degree by 20 degree waveguide. The passive crossover provides full high-order filtering and amplitude equalization.

System inputs are a four-position barrier strip and parallel 4-pin Neutrik Speakon connectors. The input section features an aluminum weather cover with an integral IP 68-rated gland nut. The gland nut will accommodate cable outside diameters of 7 mm to 12 mm (0.236 to 0.472 inch). Its maximum diameter will accept most 2-conductor AWG12 cable assemblies. The system is also available via special order with a three-tap, 600-watt wide-bandwidth autoformer that offers taps at 600 watts, 300 watts, and 150 watts.



FEATURES & BENEFITS

- » Extremely high output capability
- » Long-throw capability optimized for outdoor venues
- » Non-coaxial design delivers optimized intelligibility
- » Three-element, amplitude-shaded vertical HF array
- » Four 10-inch neodymium-powered woofers for extended LF bandwidth
- » High-strength integral structural rigging
- » UV-resistant fiberglass enclosure
- » Optional version with 600 watt, 3-tap 100 V or 70.7 V wide-band, low-loss autoformer (CrossField Array-100 or CrossField Array-70)

SPECIFICATIONS

Frequency Response:	70 – 16,000 Hz
Coverage Pattern:	50° H x 20° V
Passive Crossover Freq.:	800 Hz
System Sensitivity (1watt / 1meter):	105 dB
Power Handling:	1200 watts continuous, 2400 watts program, 4800 watts peak*
Nominal Impedance:	4 ohms
EASE 4.0 Data:	www.onesystems.com
Suspension/Mounting Points:	11 x M10
Weather Performance:	IP45
Dimensions (H x W x D) mm:	100 x 520 x 560

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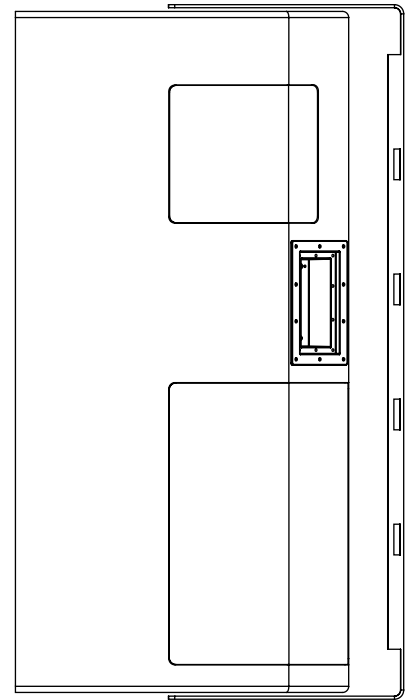
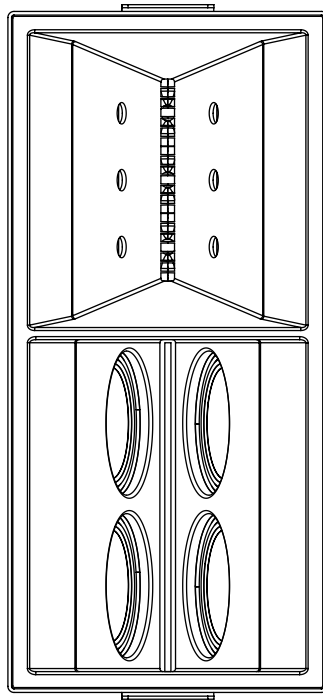
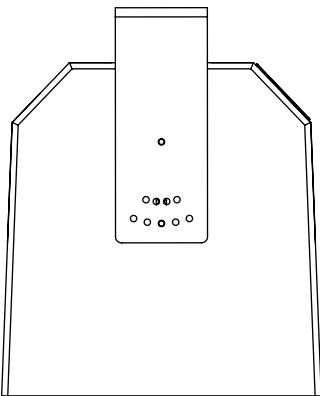
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With its high output and long-throw capability as well as its high-fidelity sound quality and rugged all-weather capability, the One Systems Cross-Field Array is an excellent choice for large-scale venues.

SPECIFICATIONS (continued)

Dimensions (H x W x D) in:	43.3 x 20.5 x 22
Net Weight:	75 kg / 165 lbs
Shipping Weight:	90 kg / 198 lb
Optional Accessories:	CFA-U U-Bracket; Pole Mount System EX-2 extra-long pole mount bracket



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