



XLC-127, XLC-127+
3-Way, High-Output
Compact Line-Array
Element



Key Features:

- **Control with Predictability**
- **Compact, Lightweight**
- **Fast, Simple Integrated Rigging**
- **Bi-Amp or Tri-Amp Operation**
- **True 3-Way Design**
- **LAPS Aiming Software**
- **120° Horizontal Full-Range Line-Array**
- **DH2T-16, or ND6-16 HF Options**



General Description:

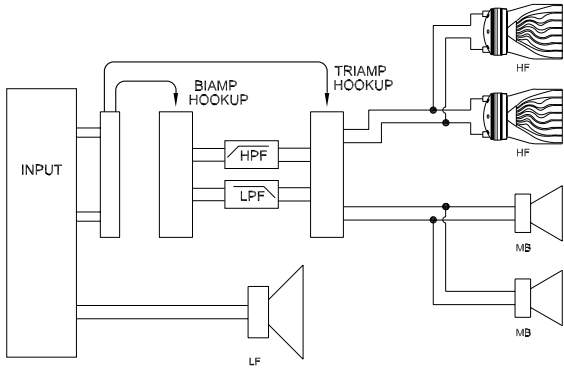
EV engineers have defined a new group of compact line array elements, the X^{LC}. It is comprised of four components, X^{LC} 127 full range, X^{LC} 127+ full range with ND6-16 large format high frequency transducers, X^{LC} 124 down-fill and the X^{LC} 118 sub cabinet. The X^{LC} 127 is a 3-way design utilizing a 12" vented LF, 2 x 6.5" MB transducers on a 120° horizontal waveguide, and 2 x DH2T-16 HF transducers combining through a Hydra to a 120° x 7° waveguide. The X^{LC} 127 can be used in tri-amp mode, or bi-amp 3-way using the sophisticated internal passive MB to HF network. It's asymmetrical design places the HF section in the center to provide optimum horizontal polar response free of lobbing associated with symmetrical designs. Designed for use in groups of four or more the X^{LC} 127 delivers predictability and control. Combined with an advanced integrated rigging system, one-man installations are a reality. Ideal for applications ranging from live reinforcement to performing arts venues to houses of worship, to sports facilities, X^{LC} gives you the power to make it happen. The X^{LC} 127+ uses two ND6-16, 3 in., high-output, neodymium compression drivers, replacing the standard DH2T-16 drivers. The X^{LC} 127+ is recommended when performance requirements demand higher output. The ND6-16 is also used in EV's X-Array and X-Line systems creating a family of identically voiced loudspeakers for any live sound application. X^{LC} can deliver unprecedented performance, particularly in difficult acoustical environments. X^{LC} modeling software provides quick results for array configurations and rigging information.

Technical Specifications:

	XLC-127	XLC-127+
Freq. Response ¹ (-3 dB):	65 Hz-18 kHz	
Freq. Range ¹ (-10 dB):	50 Hz-20 kHz	
Max Calculated SPL ¹ :	135 dB Cont., 141 dB Pk	
Horizontal Coverage:	120°	
Vertical Coverage:	Array Dependant, Software Definable	
Rigging:	Fully Captive Aluminum, 1° increments, 16 elements with 8 to 1 Safety Factor	
LF Power Handling:	300W Cont., 1200W Peak	
MB Power Handling:	200W Cont., 800W Peak	
HF Power Handling:	120W Cont., 480W Peak	150W Cont., 600W Peak
Biamp MB/HF Power Handling:	300W Cont., 1200W Peak	
Sensitivity(LF/MB/HF):	95/101/110 dB	
LF to MB crossover Freq:	500 Hz	
MB to HF crossover Freq:	1600 Hz (Passive or Active)	
LF Passband:	1 x 12" DL12ST, 8 ohms	
Recommended Amplifier:	EV P2000	
MB Passband:	2 x 6.5" DM65, 8 ohms,	
Recommended Amplifier:	EV P2000	
HF Passband:	2 x DH2T-16, 8 ohms	2 x ND6-16, 8 ohms,
Recommended Amplifier:	EV P2000	EV P2000
Biamp MB/HF Passband:	8 ohms,	
Recommended Amplifier:	EV P2000	
Connectors:	2 x NL8	
Enclosure Material:	13-ply birch plywood w/Futura	
Grille:	Zinc plated steel with powdercoat paint	
Environmental Spec:	IEC 529 IP24, MIL 810	
Dim (H x W x D):	14.25" x 39" x 22.5" (362 x 990 x 572 mm)	
Net Weight:	116 lbs (52.7 kg)	111 lbs (50.4 kg)
Shipping Weight:	121 lbs (55.0 kg)	116 lbs (52.7 kg)

¹ Full Space Measurement of 4 Elements.

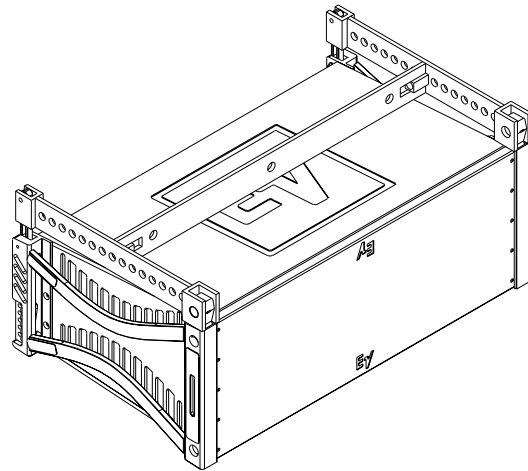
Block Diagram:



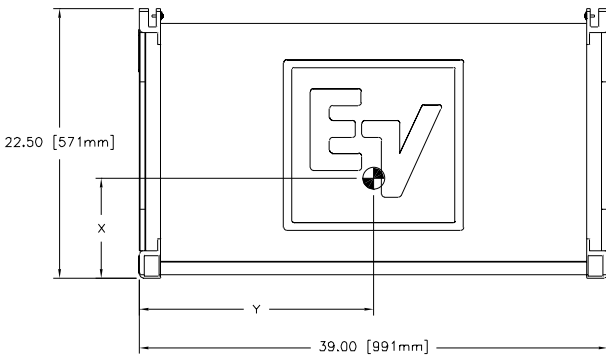
Connection Chart
(Pins 1 Pass Through)

Triamp	Biamp
LF: Pins 2	LF: Pins 2
MB: Pins 3	MB/HF: Pins 3
HF: Pins 4	Pins 4 Pass Through

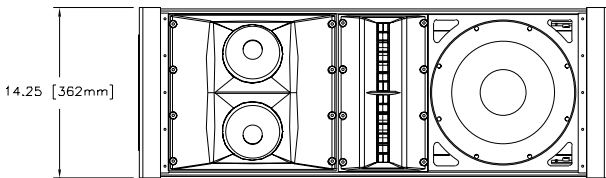
Grid Drawing:



Dimension Drawings (inches/metric):



Top



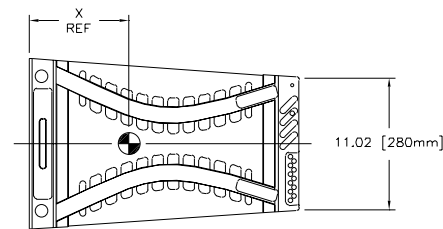
Front

Performance Match:

- XLC-118 - Subwoofer Loudspeaker System
- XLC-124 - Downfill Line-Array Loudspeaker System
- P3000 - Precision Series™ Power Amplifier
- P2000 - Precision Series™ Power Amplifier
- P3000RL - Precision Series™ Remote Control Power Amplifier
- P1200RL - Precision Series™ Remote Control Power Amplifier
- Dx38 - Digital Sound System Controller
- XLC-127 Cover - Protective Cover for Transporting
- XFD-127 - Front Dolly for Rigging and Transporting
- XLC Series Grid - Grid for Hanging X^{LC} Line-Arrays

XLC-127/XLC-127+ Part Numbers:

- XLC-127 - 301282-001
- XLC-127+ - 301302-001



Side

Center of Gravity Dimension Chart

	XLC-127	XLC-127+
X:	8.31" (211mm)	7.94" (202mm)
Y:	19.44" (494mm)	19.56" (497mm)



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Specifications subject to change without notice.