



# 7225XY

## Large Format

### FEATURES:

- ▶ **Advanced Technology Components/ Extreme Output:**  
3- Neodymium Mid/HF EXO-LD Drivers on patented Q-Drive™ Same-Source™ WaveShaper creates a planar Wave front to 17.4kHz---1/4 wave length.  
159 dB Max SPL per 7225XY module. (375 Hz to 22kHz)
- ▶ **Aiming/Positioning Control** (Available soon as an option)  
XYON™ Patented SPACE-SHAPE™ FOH Servo-Positioning System with XY-ON™ prediction and control software (optional)
- ▶ **Rigging**  
XYON™ Z-MAX™ highly modular rigging system supports Up to 22 - 7225AL Modules
- ▶ **QUAD-One™ Low Frequency Focusing**  
Turns two mirrored modules into a single low frequency horn aperture creating advanced driver coupling. All drivers focus on the same quadrant of a sphere resulting in higher directivity wavefront and as much as a 9dB gain over conventional direct radiators.

### DESCRIPTION:

There are several design concepts that make XYON™ Advanced Line Array elements unique.

Box elements are configured with alternating upright and inverted units, paired to create a low frequency horn, termed QUAD-One™. By focusing all four LF drivers at the same quadrant of a sphere, greater directivity and increased sensitivity in the low frequency section is realized. Other companies claim low frequency directivity only after large arrays are assembled but XYON™ array elements achieve much higher directivity and output with as few as two elements.

The XYON™ line array is capable of producing extremely high and phase coherent output. This is achieved through the use of a Neodymium Mid/HF EXO-LD Driver on patented Q-Drive™ Same-Source™ WaveShaper™. One driver, eliminating crossover and phase/time anomalies, reproduces all vocal and high frequencies. This allows increased power handling and extended bandwidth not achieved before in a small format horn. Three Q-Drive™ modules are used in the 7225XY element.

Elements are configurable for ground stack and flown applications. The use of modern technology power amps and digital processing eases the purchasing requirements of amplifiers, processors, and cabling. All models come wired for bi-amplification. Optional tri-amplification configuration with LF pass through is available. It is possible to power 4 boxes using just two power amps (in two-way wiring configurations). Recommended amplifiers and wiring configurations are available online, as well as processor downloads for commonly available signal processors. XY-ON prediction and control software is available to calculate optimum curvature angles based on the seating area.

The new Sound Bridge XYON™ line consists of three formats: Large Format, Mid-size and Compact. Matching subwoofer elements are currently in development, their release is anticipated by May of 2005.



### SPECIFICATIONS:

WEIGHT	155 lbs. plus rigging ( add 25 lbs for Space-Shape tm servo system)	
DIMMS	21 x 50.75 x 28 (h x w x d )	
Cabinet	118MM 13 ply Baltic Birch/ High Tensil UHMW Composite	
Finish	Tour Grade Duracoat™	
Grill Material	12 GA Steel with 45 ppi 1/2" acoustically transparent foam.	
Rigging	XYON™ Z-MAX™ highly modular rigging system	
Number of Cabinets Supported	Up to 22 - 7225XY Modules	
Directivity/Aiming Control	XYON™ Patented SPACE-SHAPE™ Software with FOH Servo-Positioning System	
Mobility	Birch Coated LOX-IT™ Dolly Supports up to 3-7225XY Modules	
System Wiring Configuration	Two Way or Three Way	
Input Connectors	Dual NL-4's or Dual NL-8's	
Recommended Amplification	One Crown I-TECH 6000 or Similar Per Two Modules	
System Component Overview	2- 15" Neodymium LD Transducer/ 3- Neodymium Mid/HF EXO Driver	
System Operational Range	50 Hz - 22 kHz (+/- 3dB)	
	45 Hz - 22 kHz (+/- 6dB)	
Maximim Peak SPL	159 dB	
Beam Width Mid/High		
	Vertical	10 Deg +/- 3dB
	Horizontal	90 or 120 Deg +/- 3dB
Beam Width Mid/High		
	Vertical	10 Deg. Frequency and Array Size Dependent
	Horizontal	90 or 120 Deg +/- 3dB Frequency and Array Size Dependent
<b>Low Frequency</b>	2- 15" Neodymium Low Distortion Transducer	
Nominal Impedence Per Driver/ Per Box	8 Ohms/ 4 Ohms	
Power AES/Program	1600 Watts / 3200 Watts P (800 Watts per Driver)	
Sensitivity (1W/1M or 3.3 ft.)	101 dB (Single Enclosure) 108 dB (Two Enclosures)	
Max SPL Peak Output	137 dB (Single Enclosure) 140 dB (Two Enclosures)	
Crossover		
	High Pass	45 Hz (4th Order LR)
	Low-High Pass	400 Hz (4th Order LR)
<b>Mid/High Frequency</b>	3- Neodymium Mid/HF EXO-LD Driver on Patented Q-Drive™ same-source™ WaveShaper™	
Nominal Impedence Per Driver/ Per Box	16 Ohms/ 4 Ohms	
Power AES/Program	750 Watts/ 3000 Watts (250/1000 Watts per Driver)	
Sensitivity (1W/1M or 3.3 ft.)	129 dB (Single Enclosure)	
Max SPL Peak Output	159 dB (Single Enclosure)	
Crossover		
	High Pass	400 Hz (4th Order LR)

Sound Bridge Acoustic Labs is dedicated to excellence. Therefore, we retain the right to improve design, materials, and workmanship. (Or in legal jargon: Prices and Specifications are subject to change without notice)