

SQUARE SERIES

3-Dimensional Steerable Speakers

FEATURES

- Capable of being clustered horizontally and vertically to form larger arrays
- Compact size, with high power density
- Vertical and horizontal pattern coverage adaptable from 1 degree through to 150 degrees to maximize sound quality by restricting sound to a listener area to avoid reflected sound
- High directivity to minimize environmental noise spill
- Pan and tilt adaptable down to 0.1 degree resolution, up to 50 degrees off axis, to allow for easy and visually pleasing installation
- Symmetrical, asymmetrical and complex custom 3-D wave fronts possible
- Capable of acoustic skew to throw higher sound pressure levels (SPL) over longer distance to improve SPL consistency in a space
- High SPL capacity
- Capable of producing 4 unique beams of sound in different directions, with differing acoustic shape
- Weatherproof options
- High bandwidth coherence from 80Hz-20kHz
- Highly musical performance with excellent speech clarity
- Ethernet network control and monitoring with feature rich DSP (EQ, dynamics, mixing)
- High acoustic redundancy for increased reliability
- On board amplification and processing
- Suitable for live musical performance, installations, rental, touring and speech



SPECIFICATIONS

Model SQ-90	
<i>Operating Bandwidth</i>	+/- 3dB 80Hz-20kHz
<i>On Board Amplification</i>	81x 30W, 9x 200W
<i>HF Drivers</i>	81x 1" Soft Dome
<i>LF Drivers</i>	9x 5"
<i>On Board DSP</i>	90 Channels
<i>User DSP</i>	• HPF (up to 48dB/Oct) • LPF (up to 48dB/Oct) • 8 band EQ (High shelf, low shelf, parametric, notch) • Compression • Limiting • FIR (2048 taps) • Delay (up to 100m)
<i>Number of audio beams</i>	4 beams of sound with individual configuration control
<i>Audio Inputs/Outputs</i>	1x 3XLR AES (stereo) or RJ45 Dante - optional digital input 1x 3XLR Line in 1x 3XLR Line Out
<i>Mains Power</i>	110/240VAC on True1
<i>Mains Draw (Music clip)</i>	1,200W, 5A
<i>Monitoring and Control</i>	RJ45 Ethernet 10/100MB
<i>Vertical Control (1 element array)</i>	1kHz and above
<i>Horizontal Control (1 element array)</i>	1kHz and above
<i>SPL at 16m (1 element)</i>	106dB
<i>Configuration Dependent</i>	
<i>Construction</i>	½" Birch Plywood
<i>Weight</i>	36kg
<i>Dimensions (WxHxD mm)</i>	425 x 430 x 485
<i>Hardware</i>	Pole Socket 16x M10 rigging points
<i>Options</i>	• Weatherized - SS/AL hardware, waterproof grill lining, and IP65 network and power connectors • Dante Enabled networked audio inputs • 60849 compliant version with transducer monitoring • 24VDC alternative power source