

S Q U A R E S E R I E S

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
Operating Bandwidth +/- 3dB	80Hz-20kHz
On Board Amplification	81x 30W, 9x 200W
HF Drivers	81x 1" Soft Dome
LF Drivers	9x 5"
On Board DSP	90 Channels
User DSP	<ul style="list-style-type: none"> • HPF (up to 48dB/Oct) • LPF (up to 48dB/Oct) • 8 band EQ (High shelf, low shelf, parametric, notch) • Compression • Limiting • FIR (1791 taps) • Delay (up to 100m)
Number of audio beams	4 beams of sound with individual configuration control
Audio Inputs/Outputs	1x 3XLR AES (stereo) 1x 3XLR Line in 1x 3XLR Line Out
Mains Power	230-255VAC on Powercon
Mains Draw (Music clip)	1,200W, 5A
Monitoring and Control	RJ45 Ethernet 10/100MB
Vertical Control (1 element array)	1kHz and above
Horizontal Control (1 element array)	1kHz and above
SPL at 10m (1 element) Configuration Dependent	106dB
Construction	½" Expanded PVC
Weight	36kg
Dimensions (WxHxD mm)	425 x 430 x 485
Hardware	Pole Socket 16x M10 rigging points
Options	<ul style="list-style-type: none"> • 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

