

SQ Series

SQ-90

Features

- 3-Dimensional Steerable Speakers
- 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 through to 120°
- High directivity to minimize environmental noise spill
- Pan and tilt adaptable from 0.1° to 60°
- 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 100W HF - 9x 200W LF
HF Drivers	81x 1" Soft Dome (Limited to 30W)
LF Drivers	9 x 5"
On Board DSP	109 Channels
User DSP	• 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)
Number of audio beams	4 beams of sound with individual configuration control
Audio Inputs/Outputs	1x XLR3 AES (stereo) or 1x RJ45 Dante Digital input (optional) 1x XLR3 Line in 1x XLR3 Line Out
Mains Power	110-120VAC or 230-255VAC on powerCON
Mains Draw (Music clip)	3,000W, 12.5A
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 16m (1 element) Configuration Dependent	106dB
Construction	Aluminum
Weight	36kg
Dimensions (WxHxD mm)	430 x 430 x 480
Hardware	Side and rear rigging tubes
Options	• Dante Enabled networked audio inputs • 60849 compliant version with transducer monitoring • 24V dc alternative power source