

## 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

<b>Model</b>	<b>SQ-90</b>
<b>Operating Bandwidth +/- 3dB</b>	80Hz-20kHz
<b>On Board Amplification</b>	81x 30W, 9x 200W
<b>HF Drivers</b>	81x 1" Soft Dome
<b>LF Drivers</b>	9x 5"
<b>On Board DSP</b>	90 Channels
<b>User DSP</b>	<ul style="list-style-type: none"> <li>• HPF (up to 48dB/Oct)</li> <li>• LPF (up to 48dB/Oct)</li> <li>• 8 band EQ (High shelf, low shelf, parametric, notch)</li> <li>• Compression</li> <li>• Limiting</li> <li>• FIR (1791 taps)</li> <li>• Delay (up to 100m)</li> </ul>
<b>Number of audio beams</b>	4 beams of sound with individual configuration control
<b>Audio Inputs/Outputs</b>	1x 3XLR AES (stereo) 1x 3XLR Line in 1x 3XLR Line Out
<b>Mains Power</b>	230-255VAC on Powercon
<b>Mains Draw (Music clip)</b>	1,200W, 5A
<b>Monitoring and Control</b>	RJ45 Ethernet 10/100MB
<b>Vertical Control (1 element array)</b>	1kHz and above
<b>Horizontal Control (1 element array)</b>	1kHz and above
<b>SPL at 10m (1 element) Configuration Dependent</b>	106dB
<b>Construction</b>	½" Expanded PVC
<b>Weight</b>	36kg
<b>Dimensions (WxHxD mm)</b>	425 x 430 x 485
<b>Hardware</b>	Pole Socket 16x M10 rigging points
<b>Options</b>	<ul style="list-style-type: none"> <li>• Weatherized - SS/AL hardware, waterproof grill lining, and IP65 network and power connectors</li> <li>• Dante Enabled networked audio inputs</li> <li>• 60849 compliant version with transducer monitoring</li> <li>• 24VDC alternative power source</li> </ul>