

# GENESIS SERIES

## *3-Dimensional Steerable Speakers*

### FEATURES

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- 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 120 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 60 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>Genesis 1</b>
<i>Operating Bandwidth</i>	<i>+/- 3dB</i>	80Hz-20kHz
<i>On Board Amplification</i>		100x 30W, 9x 200W
<i>HF Drivers</i>		100x 1" Soft Dome
<i>LF Drivers</i>		9x 5"
<i>On Board DSP</i>		109 Channels
<i>User DSP</i>		<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 (2048 taps)</li> <li>• Delay (up to 100m)</li> </ul>
<i>Number of audio beams</i>		4 beams of sound with individual configuration control
<i>Audio Inputs/Outputs</i>		1x 3XLR AES (stereo) 1x 3XLR Line in 1x 3XLR Line Out
<i>Mains Power</i>		110-120VAC or 230-255VAC on Powercon
<i>Mains Draw (Music clip)</i>		3,000W, 12.5A
<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>		Aluminum
<i>Hardware</i>		Side and rear rigging tubes
<i>Options</i>		<ul style="list-style-type: none"> <li>• Dante Enabled networked audio inputs</li> <li>• 60849 compliant version with transducer monitoring</li> <li>• 24VDC alternative power source</li> </ul>

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