

COLUMN SERIES

3-Dimensional Steerable Column Speakers

FEATURES

- Capable of being clustered horizontally and vertically to form larger arrays
- Can be mounted both vertically and horizontally
- 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 100Hz-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, transport terminals, speech, under-balcony fill and heritage listed buildings



SPECIFICATIONS

| Model | CS-30 | CS-60 | CS-90 |
|---|---|------------------|------------------|
| <i>Operating Bandwidth +/-3dB</i> | 100Hz-20kHz | 100Hz-20kHz | 100Hz-20kHz |
| <i>On Board Amplification</i> | 27x 30W, 3x 200W | 54x 30W, 6x 200W | 81x 30W, 9x 200W |
| <i>HF Drivers</i> | 27x 1" Soft Dome | 54x 1" Soft Dome | 81x 1" Soft Dome |
| <i>LF Drivers</i> | 3x 5" | 6x 5" | 9x 5" |
| <i>On Board DSP</i> | 30 Channels | 60 Channels | 90 Channels |
| <i>User DSP</i> | <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) | | |
| <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> | 230-255VAC on Powercon | | |
| <i>Mains Draw (Music clip)</i> | 200W 0.84A | 350W, 1.46A | 600W, 2.5A |
| <i>Monitoring and Control</i> | RJ45 Ethernet 10/100MB | | |
| <i>Vertical Control (1 element array)</i> | 1kHz and above | 500Hz and above | 350Hz and above |
| <i>Horizontal Control (1 element array)</i> | 3kHz and above | 3kHz and above | 3kHz and above |
| <i>SPL at 10m (1 element) Configuration Dependent</i> | 95dB | 101dB | 104dB |
| <i>Construction</i> | ½" Expanded PVC | | |
| <i>Weight</i> | 12kg | 24kg | 36kg |
| <i>Dimensions (WxHxD mm)</i> | 142 x 430 x 330 | 142 x 860 x 330 | 142 x 1290 x 330 |
| <i>Hardware</i> | Pole Socket 16x M10 rigging points | | |
| <i>Options</i> | <ul style="list-style-type: none"> • Weatherized - SS/AL hardware, waterproof grill lining, with IP65 network and power connectors • Dante Enabled networked audio inputs • 60849 compliant version with transducer monitoring • 24VDC alternative power source | | |