

AiRAY Data Sheet

AiRAY

High output line array system



AiRAY is a high-output, compact 3-way line array system designed for wide varieties of applications where high output, even coverage, and outstanding intelligibility is required.

AiRAY incorporates pioneering CODA Audio technologies. Featuring the Dual Diaphragm coaxial Planar wavedriver (DDP) and AiCOUPLER, AiRAY is highly efficient and provides a coherent and uniform wavefront with adjustable dispersion and linear phase response.

Conventional 2 x 12" line array systems are commonly used for larger events like arena shows, large theaters, and festivals. The size, weight, and inflexibility of those systems, as well as higher operating costs, make them ill-suited for small and medium applications like corporate events, club tours, or small theaters.

The AiRAY system breaks the rules, combining the size, weight, rigging, flexibility, amplification, and cabling of a compact system with the high SPL and power handling of a large system. A single AiRAY system can be utilized for multiple applications.

AiRAY is a fully-integrated sound reinforcement system including LINUS loudspeaker management amplifiers for DSP control, amplification, audio I/O routing, network remote control, and diagnostics, significantly reducing setup time. The touring package contains transport dollies, rigging accessories, protection covers, and more.

The SC2-F 2 x 15" sensor-controlled bass extension overlaps the low range of AiRAY and paired subwoofers, enhancing the low frequency headroom and increasing the long-throw capability of the system. The SCP-F sensor-controlled subwoofers provide an extension down to 25 Hz.

AiRAY Features

- ⊕ Linear phase response
- ⊕ DDP generates a unified wavefront and operates at a very high efficiency with extremely low distortion
- ⊕ AiCOUPLER ensures a coherent and uniform wavefront for consistent horizontal coverage
- ⊕ Integrated 3-point rigging for flown or ground-stacked arrays compatible with ViRAY, SC2-F, SCP-F and SCV-F
- ⊕ Variable horizontal coverage of 90°, 120°, or asymmetrical 105° (steered +/- 10° off axis)
- ⊕ Acoustically and rigging compatible with the ViRAY compact line array system

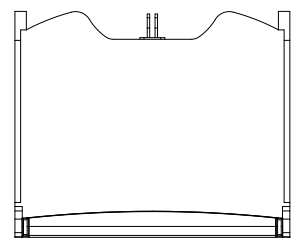
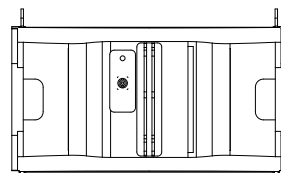
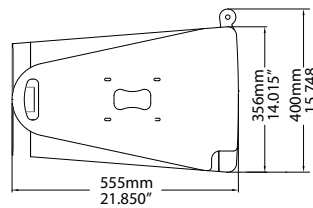
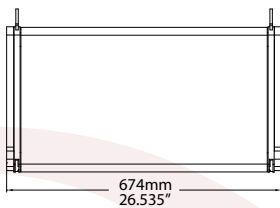


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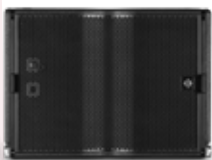


Product Type	3-way Bi-amplified line array module
Dimensions (WxHxD):	674x356x555 mm / 26.54x14.02x21.85"
Dimensions Including Hardware (WxHxD):	674x400x555 mm / 26.54x15.75x21.85"
Net Weight	40 kg / 88.18 lb
Frequency Response	50 Hz – 22 kHz (-6 dB)
Power handling AES / peak (passive):	Bi-amplified only
- Low AES / peak:	2000 W / 8000 W
- Mid / High AES / peak:	300 W / 2600 W
Max. peak SPL (with LINUS10):*	148 dB
Dispersion Horizontal:	90°, 120° or asym. 105°
Dispersion Vertical:	Array dependent: 0°, 0.5°, 1°, 2°, 2.5°, 3° to 8° in 1°-steps"
Components Low frequency:	2x12" Nd woofer, 4" (101.6 mm) VC, 1000 W (AES) each
Components Mid/High frequency:	2x6" DDP (Double Diaphragm Planar-wave-drivers) Mid: 3.5" (90 mm) VC, 150 W (AES) each Hi: 1.75" (44.4mm) VC, 80 W (AES) each
Crossover point:	400 Hz bi-amp, 6.3 kHz passive
Input Connectors:	2x Neutrik™: 1x Input + 1x Link Cable
Nominal impedance LF / MF+HF:	8 Ω (+1/-1) / 16 Ω (+2/-2)
Enclosure material:	Birch plywood
Suspension	Flying hardware integrated

*Measured with pink noise 6 dB crest factor. Half-space loading.



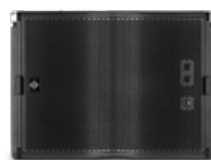
Other AiRAY System Products



SC2-F
Sensor Controlled
Bass Extension



SCP-F
Sensor Controlled Subwoofer.



SCV-F
Compact 18" Sensor
Controlled Subwoofer.



LINUS T-RACK
12-Channel Touring Rack

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