

AiRAY Data Sheet

AiRAY

High Output, Long Throw,
3-way Bi-Amplified
Line Array System



AiRAY is a high-output, long long throw, 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 Planar wave driver (DDP) and AiCOUPLER, AiRAY is highly efficient and provides a coherent and uniform wavefront with adjustable dispersion and linear phase response.

Conventional dual 12" line array systems are commonly used for larger events like arena shows, large theatres, 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 theatres.

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 dual 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
- ⊕ Frequency range: 50 Hz – 22 kHz (-6 dB)
- ⊕ High power handling: 2000 W (AES)
- ⊕ 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
- ⊕ Variable horizontal coverage of 90°, 120°, or asymmetrical 105° (steered +/- 10° off axis)
- ⊕ Acoustically and rigging compatible with the CiRAY and ViRAY line array systems
- ⊕ System integration with LINUS DSP Amplifiers

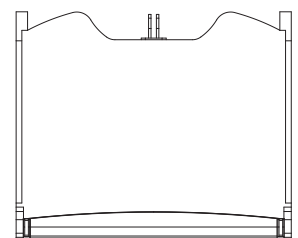
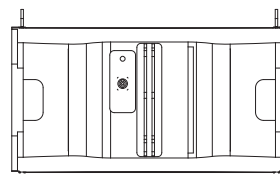
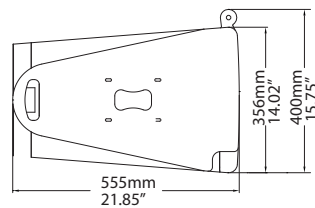
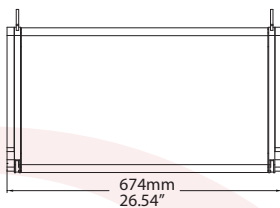


AiRAY Data Sheet



Product type:	High output, long throw, 3-way bi-amplified line array system
Frequency response:	50 Hz – 22 kHz (-6 dB)
Power handling AES / peak (passive):	Bi-amplified
- Low AES / peak:	2000 W / 8000 W
- Mid / High AES / peak:	300 W / 2600 W
Sensitivity 1W / 1m:	Low: 103 dB, mid/high: 114 dB
Max. peak SPL (with LINUS14):*	149 dB (A)
Amplification, cabinets per amplifier (Optimum / Maximum):	LINUS14: 4/6
Dispersion horizontal:	90°, 120° or asymmetrical 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:	2x 6" DDP MF: 3.5" (90 mm) VC, 150 W (AES) each HF: 1.75" (44.4mm) VC, 80 W (AES) each
Crossover point:	400 Hz bi-amp, 6.3 kHz passive
Input connectors:	2x Neutrik™: 1x NLT4M + 1x Link cable with NLT4FX
Nominal impedance LF / MF+HF:	8 Ω (1+1-) / 16 Ω (2+2-)
Enclosure material:	Birch plywood
Finish:	Polyurea coating
Suspension:	Flying hardware integrated
IP rating options (IEC 60529):	Standard IP54
Weatherproof protection options:	Standard IP55: IP55 (Amphenol connectors) MG1 (Marine Grade 1): IP55
Dimensions (WxHxD):	674 x 356 x 555 mm / 26.54 x 14.02 x 21.85" (674 x 400 x 555 mm / 26.54 x 15.75 x 21.85" incl. hardware)
Net weight:	40 kg / 88.18 lbs

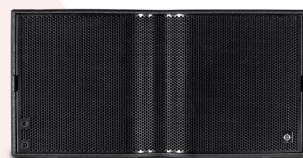
*Measured with pink noise 12 dB Crest Factor (A-weighted).



Other AiRAY System Products



SC2-F
Dual 15" Bass Extension
with SC Technology



SCP-F
High Output Dual 18" Subwoofer
with SC Technology



SCV-F
Compact 18" Subwoofer
with SC Technology



LINUS T-RACK
12-Channel DSP
Amplifier Rack

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