

ViRAY Data Sheet

ViRAY

Compact 3-Way
Line Array System



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

ViRAY incorporates pioneering CODA Audio technologies. Featuring the Dual Diaphragm Planar wave driver (DDP) and ViCOUPLER, ViRAY is highly efficient and provides a coherent and uniform wavefront with adjustable dispersion and linear phase response.

The ViRAY system can be arrayed up to 24 units, comprising a compact and scalable line array for touring and fixed installations such as theaters, clubs, houses of worship, and corporate events. Rigging and acoustic properties are compatible with the high power AiRAY line array system, making ViRAY the perfect downfill for larger systems. It combines weight, rigging, flexibility, amplification, and cabling of a compact system with the high SPL and power handling of a large system. A single ViRAY system can be utilized for multiple applications.

ViRAY is a fully integrated sound reinforcement system, which can be operated either in 1-way passive or 2-way bi-amp mode. In combination with the LINUS touring racks the system setup time can be significantly reduced. 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 ViRAY and paired subwoofers, enhancing the low frequency headroom and increasing the long-throw capability of the system. The SCP and SCV-F sensor controlled subwoofers provide an extension down to 25 Hz.

ViRAY Features

- ⊕ Linear phase response
- ⊕ Frequency range: 55 Hz – 22 kHz (-6 dB)
- ⊕ Power handling: 600 W (AES2)
- ⊕ DDP generates a unified wavefront and operates at the highest efficiency with extremely low distortion
- ⊕ Dual 8" neodymium ultra low distortion cone drivers
- ⊕ ViCOUPLER ensures a coherent and uniform wavefront for consistent horizontal coverage
- ⊕ Variable horizontal coverage of 80°, 120° or asymmetrical 100° (40°+60°)
- ⊕ Vertical curving 0°-10° variable in 1° steps
- ⊕ Integrated 3-point rigging for flown or ground-stacked arrays compatible with AiRAY, SC2-F, and SCV-F
- ⊕ Acoustically and rigging compatible with the AiRAY high-output line array system
- ⊕ System integration with LINUS DSP Amplifiers

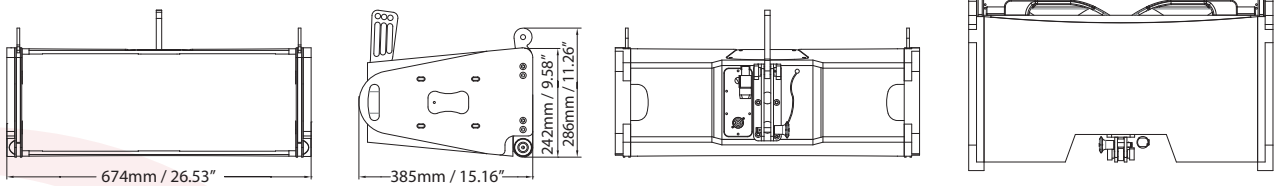


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Product type:	Compact 3-way bi-amplified line array system
Frequency response:	55 Hz – 22 kHz (-6 dB)
Power handling AES2 / peak (passive):	600 W / 2400 W
Max. peak SPL*:	143 dB (A)
Amplification, cabinets per amplifier (Optimum / Maximum):	LINUS12C: 8/12 (bi-amp) or 16/24 (passive) LINUS14D: 8/12 (bi-amp) or 16/24 (passive)
Dispersion horizontal:	120°, 80° or 100° (60° + 40° or 40° + 60°)
Dispersion vertical:	Array dependent, 0°-10° in 1°-steps
Components Low frequency:	2x 8" Nd woofer, 2" (50.8 mm) VC, 300 W (AES) each
Components Mid/High frequency:	8" DDP (Dual Diaphragm Planar wave driver) Mid: 3.5" (90 mm) VC, 150 W (AES) Hi: 1.75" (44.4mm) VC, 80 W (AES)
Crossover point:	600 Hz passive or bi-amp (internal connector), 6.3 kHz passive
Input connectors:	2x Neutrik™: 1x NL4AMP + 1x Link cable with NL4FX
Nominal impedance LF / MF+HF:	16 Ω (1+/1-) / 16 Ω (2+/2-) 3-way-passive: 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 242 x 385 mm / 26.54 x 9.53 x 15.16" 674 x 286 x 385 mm / 26.54 x 11.25 x 15.16" (incl. hardware)
Net weight:	25.5 kg / 56.22 lbs

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



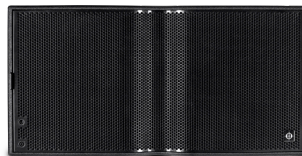
Other ViRAY System Products



SCV-F
Compact 18" Subwoofer
with SC Technology



SC2-F
Dual 15" Bass Extension
with SC Technology for
AiRAY and ViRAY



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



LINUS T-RACK
12-Channel Touring Rack

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