

# LA5A



- Ultra compact self-powered line array system
- No need of external amplifier racks
- Two Coda Audio 4" neodymium planar wave driver (patent pending)
- Four Coda Audio 5" neodymium ultra low distortion woofers
- Wide horizontal coverage of 110°

# LA5A

## 2-way self-powered full range line array system

- Vertical curving 0° to 10° in 1°-steps
- 500 W RMS class D amplifier for the low frequency plus a 180 W RMS MOSFET amplifier for the high frequency
- High SPL, superb sound quality
- Optical Limiters for state-of-the-art protection
- Integrated rigging system for flown or ground stacked arrays

■ System components: DNC260, LA5A-SUB, PW418Av<sup>2</sup>

The LA5A is an ultra compact, 2-way self-powered line array system, designed for a wide range of applications where high fidelity sound and outstanding intelligibility is required. The system contains four 5" neodymium ultra low distortion cone speakers and two 4" neodymium planar wave drivers. The use of high efficiency class D amplifier for the low frequency and MOSFET amp for the high frequency ensures small size, reduced weight and superb sonic performance. The integrated control electronic includes optical limiters for each channel, 24 dB phase-aligned asymmetrical crossovers, all pass filters and EQ to provide a perfect match between amplifiers and loudspeakers for optimum acoustic output and reliability. To be used in multiples with a minimum configuration of two. Up to 20 units can be used to achieve extreme high levels needed for larger venues. An optional LA5A-SUB self-powered subwoofer can be added for increased low frequency response. The integrated rigging system allows quick and easy flying or ground stacking. Arrays may be built straight or curved in various angels to obtain the desired vertical coverage. The fact that the LA5A is ultra compact and light reduces manpower and transport. When coupled with the LA5A-SUB the LA5A gives audio companies a flexible plug and play system for

a wide range of applications from the smallest venue up to full concert-system sound formats. Applications include arenas, convention centers, houses of worship, theatres, music pavilions and auditoriums.

### TECHNICAL SPECIFICATIONS LA5A

Type:	2-way self-powered full range system
Application:	Minimum 2, maximum 20 units line array
Frequency response:	60 Hz - 19 kHz (-3 dB)
Maximum output long term:	124 dB
Maximum output peak:	130 dB
Dispersion:	110° x 10°
Amplifiers low range:	Class D
Power output (RMS):	500 W / 4 Ohm
THD + N:	<0.02% at 500 W, 1 kHz, 4 Ohm
Amplifier high range:	MOSFET 180 W, 500 W Burst
THD + N:	<0.02%
Components:	
Low frequency:	4x 5" neodymium woofers 1.5" (38 mm) voice coil, 125 W (AES) each
High frequency:	2x 4" neodymium planar wave drivers 1.75" (44.4 mm) voice coil, 80 W (AES) each
Crossover:	1.3 kHz 24 dB/O active
High pass filter:	44 Hz 18 dB/O
Input:	balanced
Connectors:	1x female XLR/TRS jack; 1x male XLR loop (pin2 +; 3-; 1gnd)
Impedance:	10 kOhm
Input sensitivity:	0.775 V (RMS)
AC Connector:	2x Neutrik™ PowerCon (in/out)
AC Power requirement:	1000 W peak, 600 W continuous (max)
LED indicators:	Power on, signal, 0 dB, LF limit, HF limit, overload
Controls:	Gain -12 to 0 dB
	Top / full range mode, input phase
Enclosure shape:	Horizontal trapezoid 5°
Flying hardware:	Integrated
Enclosure material:	Birch plywood
Finish:	Textured black paint
Dimensions (WxHxD):	502x270x420 mm (incl. hardware)
Net weight:	24.5 kg

### ACCESSORIES

FR5	Frame for LA5A	Cab5 main	System cable powercon
CULA5A	U-Bracket LA5A		+ signal for LA5A /
FC5	Flight Case for 4 x LA5A		LA5A-SUB, 5 m
Cab5	System loop cable powercon + signal for LA5A	Pin5	Pin for LA5A
		Lift 45	Lift, 4.5 m high, for LA5A

### SYSTEM PERFORMANCE

Array	Frequency response (-3 dB)	Vertical coverage (-6 dB)	Maximum Peak Output
1 Enclosure	60 – 20000 Hz	110° x 10°	130 dB
4 Enclosures	58 – 20000 Hz	110° x (10° - 40°)	142 dB
8 Enclosures	57 – 20000 Hz	110° x (10° - 80°)	148 dB