

N-APS Data Sheet

N-APS

Ultra Compact 2-way
Arrayable Point Source



The N-APS

is an ultra compact dual 6.5", 2-way arrayable point source that combines the versatility of a point source with the perfect arrayability of a line array, creating a unique category reinforcement system for small to medium size venues.

With the latest in driver and system design technology, N-APS delivers twice the power handling and SPL, as well as significantly more low-end compared to other systems. It combines ultra high-fidelity sound with large dynamic range, incredible flexibility and variable horizontal directivity of 60°, 120°, 60° or asymmetrical configurations of 105° (45°+60°), 90° (30°+60°) and 75° (30°+45°). Mounted vertically, each N-APS cabinet provides a fixed coverage of 20° (one cabinet), 40° (two cabinets), 60° (3 cabinets) etc. up to 360° (18 cabinets).

Dynamic Airflow Cooling (DAC). Putting that immense amount of power into a compact enclosure required a new enclosure design and a new thermal concept. The N-APS front baffle and vents are made of aluminium with all drivers mounted into it. The aluminium vents are optimised to maximise airflow increasing the thermal capacity of the system. Applying more power increases the airflow in the vents, conducting more heat away from the drivers and distributing that heat outside the enclosure. The DAC technology dramatically improves heat dissipation, doubling the power handling and the maximum sound pressure of the system.

Ring Diaphragm Curved wave driver (RDC). At the heart of N-APS is a string of patented technologies - the unique RDC - similar to CODA's planar wave driver, but a slight twist in that the wavefront is curved at 20°. As a result, when more N-APS are placed together, they perform as a single cabinet, with no interference whatsoever.

Low Frequency drivers. Four aluminium shorting rings reduce induction variation, minimising intermodulation distortion whilst reducing thermal compression. This design dramatically reduces IM distortion and improves the overall sound quality and performance.

N-APS Features

- ⊕ Very light weight of 12.2 kg, ultra compact Arrayable Point Source system
- ⊕ Frequency range: 60 Hz – 20 kHz (-6 dB)
- ⊕ Power handling: 1000 W (AES)
- ⊕ Subwoofer extension down to 30 Hz with N-SUB
- ⊕ Unique 6" Ring Diaphragm Curved-wave-driver (RDC)
- ⊕ Dual 6.5" neodymium ultra-low distortion cone drivers
- ⊕ InstaFit Magnetic Coupler sums the energy from all transducers to perform as a single source
- ⊕ Dynamical Airflow Cooling (DAC) ensures exceptionally high sound pressure and low power compression
- ⊕ System integration with LINUS loudspeaker management amplifiers

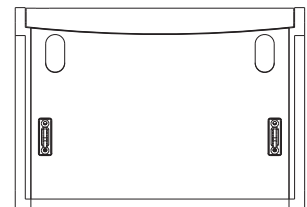
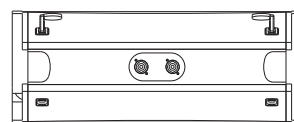
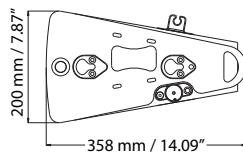
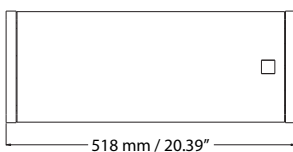


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Product type:	Ultra compact 2-way arrayable point source
Frequency response:	60 Hz – 20 kHz (-6 dB)
Power handling AES / peak (passive):	1000 W / 4000 W
- Low AES / peak:	N/A
- Mid / High AES / peak:	N/A
Max. peak SPL*:	139 dB (A)
Amplification, cabinets per amplifier (Optimum / Maximum):	LINUS10-C: 12/16 LINUS12C: 12/16 LINUS14D: 12/16
Dispersion horizontal:	60°, 90°, 120° or asymmetrical 75°(30°+45°), 90°(30°+60°), 105° (45°+60°)
Dispersion vertical:	20°
Components Low frequency:	2x 6.5" neodymium, water resistant cones, 2" (50.8 mm) VC, 500 W (AES) each
Components Mid/High frequency:	6" / 20° RDC, 1,75" (44.4 mm) VC, 80 W (AES)
Crossover point:	900 Hz passive
Input connectors:	2x Neutrik™ NL4MP
Nominal impedance LF / MF+HF:	12 Ω (2+/-)
Enclosure material:	Hybrid - Birch plywood and aluminium
Finish:	Polyurea coating
Suspension:	Integrated
IP rating options (IEC 60529):	Standard IP54
Weatherproof protection options:	Standard IP55: IP55 (Amphenol connectors) MG1 (Marine Grade 1): IP55
Dimensions (WxHxD):	518 x 200 x 358 mm / 20.39 x 7.87 x 14.09"
Net weight:	12.2 kg / 26.9 lbs

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



Other N-APS System Products



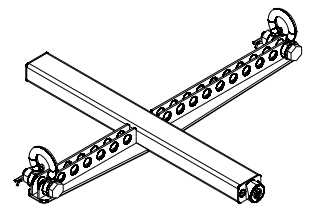
N-SUB

Compact 15" Subwoofer for N-APS



LINUS12C

4-Channel DSP Amplifier with
Loudspeaker Management



ACCESSORIES

FRV N-APS

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