

APS Data Sheet

APS

Arrayable Point
Source Loudspeaker



The APS is a compact, 3-way arrayable point source loudspeaker, designed for small- and medium-sized venues where a flexible, scalable, and powerful solution is required.

The APS incorporates pioneering CODA Audio technologies. Featuring a 9" Dual Diaphragm coaxial Curved wavedriver (DDC) and APS-COUPLER, APS is highly efficient and operates as a single point source with a true coherent 20° wave front with horizontal directivity control and linear phase response. Two 10" high-excursion ultra-low-distortion neodymium drivers offer reduced power compression, with carbon fiber diaphragms providing increased stiffness and reduced moving mass, for efficient and accurate bass reproduction down to 50 Hz.

Mounted horizontally, each APS cabinet provides a fixed 20° vertical coverage and can be flown with additional APS cabinets and APS-SUB in vertical arrays. Mounted vertically, each APS cabinet provides a fixed horizontal coverage of 20°. Up to 18 cabinets can be flown to provide up to 360° of horizontal coverage. The APS has user-selectable coverage along its second axis, featuring symmetrical configurations of 60°, 90°, and 120°, and asymmetrical configurations of 75° (30+45°), 90° (30+60°), 100° (40+60° or 60+40°), and 105° (45+60°).

When paired with APS-SUB, the operating frequency range of the APS System extends down to 28 Hz. With the addition of a third-party M20 thread distance mount, APS-SUB can be used as a base for groundstacked pole-mounted APS arrays, to form a powerful and lightweight mobile system that requires no motors or trusses.

Optional adapters, frames, and flight cases are available from CODA Audio.

APS Features

- ⊕ 3-way Arrayable Point Source
- ⊕ Unique 9-inch Dual Diaphragm coaxial Curved wave driver (DDC)
- ⊕ Dual ultra-low distortion high-excursion neodymium drivers with carbon fiber cones
- ⊕ APS-COUPLER ensures a coherent and uniform wavefront that performs as a single source and provides directivity control over a wide frequency range
- ⊕ System integration with LINUS loudspeaker management amplifiers
- ⊕ Extended frequency range of 50 Hz to 22 kHz

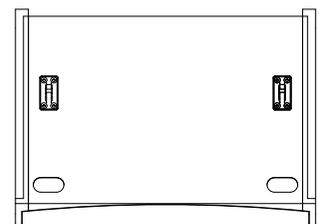
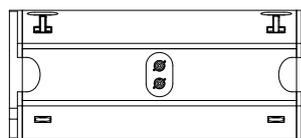
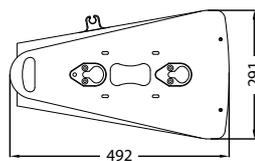
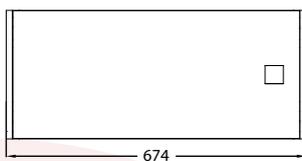


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Product Type	3-Way Arrayable Point Source
Dimensions (WxHxD):	674 x 291 x 492 mm 26.54 x 11.46 x 19.37 "
Dimensions Including Hardware (WxHxD):	N/A
Net Weight	27 kg / 59.5 lb
Frequency Response	50 Hz - 22 kHz (-6 dB)
Power handling AES / peak (passive):	1200 W / 4800 W
- Low AES / peak:	N/A
- Mid / High AES / peak:	N/A
Max. peak SPL (with LINUS10):*	Low: 137 dB; Mid/High: 146 dB
Dispersion Horizontal:	Horizontal: 120°, 90°, 60°, asymmetrical 105°, asymmetrical 90°, asymmetrical 75°
Dispersion Vertical:	20°
Components Low frequency:	Two 10-inch neodymium, water-resistant cones 3-inch (77 mm) voice coil; 600 W (AES) each
Components Mid/High frequency:	9-inch neodymium DDC (Dual Diaphragm coaxial Curved wavedriver) Mid: 3.5-inch (90 mm) voice coil; 150 W (AES) High: 1.75-inch (44.4 mm) voice coil; 80 W (AES)
Crossover point:	500 Hz; 6300 Hz passive
Input Connectors:	Two Neutrik™ NL4 (1x input, 1x link)
Nominal impedance LF / MF+HF:	8 Ω (2+/2-)
Enclosure material:	Birch Plywood
Suspension	Integrated

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



Other APS System Products



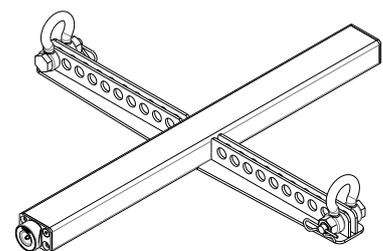
APS-SUB

Compact, High-Output
Subwoofer



LINUS14/14D

4-Channel Loudspeaker
Management Amplifier



ACCESSORIES

Visit www.codaaudio.com for a
full list of APS accessories

CODA AUDIO GmbH

Boulevard der EU 6, 30539 Hannover, Expo Park, Germany
E-Mail: contact@codaaudio.com Website: www.codaaudio.com

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