

APSi-Pro-D

3-way Passive Arrayable Point Source for Installations



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

In the APSi-Pro-D, mid and high frequencies are reproduced from a single source, CODA's Dual Diaphragm coaxial Curved wave driver (DDC). Its output pattern is controlled by a magnetic

InstaFit APS-COUPLER. Couplers combine all elements of the loudspeaker into a single, pattern-controlled wavefront.

Two 10" high-excursion low distortion neodymium drivers are thermally coupled to a shaped aluminium baffle that also forms the cabinet's reflex ports. This exclusive Dynamic Airflow Cooling technology, or DAC, takes heat away from drivers, increasing power handling and significantly reducing power compression. With carbon fibre diaphragms providing increased stiffness and reduced moving mass, these advanced drivers work down to 50 Hz with impact and control.

Mounted horizontally, each APSi-Pro-D cabinet provides a fixed 10° vertical coverage and can be flown singly or with additional APSi-Pro cabinets in vertical arrays to match the systems output to any requirement. Horizontal coverage can be changed between 60°, 90°, and 120°, and asymmetrical configurations of 75°, 90° and 105° by using different InstaFit APS-COUPLER configurations.

Mounted vertically, each APSi-Pro-D cabinet provides a fixed horizontal coverage of 10°, with the variable dispersion now being in the vertical plane.

APSi-Pro-D Features

- ⊕ Dynamic Airflow Cooling (DAC) technology
- ⊕ Frequency Range: 50 Hz to 22 kHz
- ⊕ Power Handling: 1400 W (AES)
- ⊕ 10° cabinet angle for long throw or high granularity of control
- ⊕ Unique 8.75" DDC (3.5" + 1.75" VC)
- ⊕ Dual 10" neodymium ultra-low distortion cone drivers
- ⊕ InstaFit APS-Couplers ensure a coherent uniform wavefront that performs as a single source and provides directivity control over a wide frequency range
- ⊕ Up to three cabinets can be linked for amp channel economy
- ⊕ Seamless integration with APSi-Pro-S
- ⊕ Fully compatible with Array Keeper
- ⊕ Part of an integrated system with LINUS DSP amplifiers



APSi-Pro-D Data Sheet

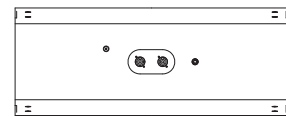
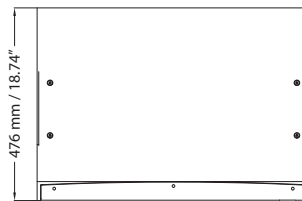
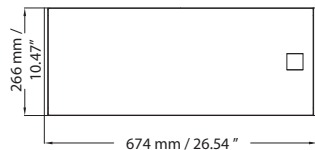
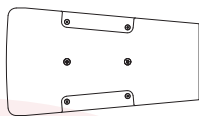


Product type:	3-way Passive Arrayable Point Source
Frequency response:	50 Hz – 22 kHz (-6 dB)
Power handling AES / peak (passive):	1400 W / 5600 W
- Low AES / peak:	N/A
- Mid / High AES / peak:	N/A
Max. peak SPL (with LINUS14)	146 dB (A)*
Amplification, cabinets per amplifier (Optimum / Maximum):	LINUS14/D Optimum / Maximum: 8/12 LINUS12C Optimum / Maximum: 8/12 LINUS 6.4 i/D SE Optimum / Maximum: 8/12 LINUS 6.4 i/D BTL Optimum / Maximum: 6/6 LINUS-V908 SE Optimum / Maximum: 16/24 LINUS-V908 BTL Optimum / Maximum: 8/12 LINUS-V1804 SE Optimum / Maximum: 8/12
Dispersion horizontal:	Symmetrical 120°, 90° or 60°. Asymmetrical 105°, 90° or 75° Dependent on APS-COUPLER in use
Dispersion vertical:	10°
Components Low frequency:	2x 10" Nd water resistant cones 3" (77 mm) voice coil, 700 W (AES) each.
Components Mid/High frequency:	8.75" DDC (Dual Diaphragm Curved-wave Driver) MF: 3.5" (90 mm) voice coil, 150 W (AES) HF: 1.75" (44.4 mm) voice coil, 80 W (AES)
Crossover point:	3-way passive 650 Hz / 6.3 kHz
Input connectors:	2x Neutrik™ NL4MP
Nominal impedance LF / MF+HF:	12 Ω (2+/-2-)
Enclosure material:	Hybrid - Birch plywood and aluminium
Finish:	Polyurea coating
Suspension:	Rigging plates***
IP rating (IEC 60529):	IP54
Weatherproof options:	Standard IP55; IP55 (direct cable) MG1 (Marine Grade 1); IP55
Dimensions (WxHxD):	674 x 266 x 476 mm / 26.54 x 10.47 x 18.74"
Net weight:	26 kg / 52.25 lbs

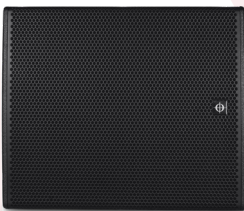
* Measured with pink noise 12dB Crest Factor (A-Weighted).

** Measured with pink noise 12dB Crest Factor.

*** Array Keeper System Blockplates, customizable



Other APSi System Products



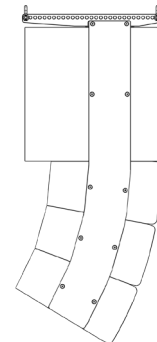
APSi-SUB

Flyable 18" Subwoofer for APS



LINUS6.4

4-Channel Installation DSP Amplifier
with Loudspeaker Management



ACCESSORIES

Visit www.codaaudio.com for a full list of APSi 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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