

AP12



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2-way coaxial self-powered,
versatile full range system

- Coda Audio Neodymium 12" coaxial loudspeaker, 80° x 60° waveguide
- 500 W RMS class D amplifier for the low frequency and a 100 W RMS MOSFET amplifier for the high frequency
- Single point source system providing coherent wave front
- Improved transient response
- Very high SPL, superb quality sound
- Smaller size, reduced weight
- M6 suspension points and air cargo flying track
- System components: DNC260, PW115A (+ PW115), PW118A (+ PW118)

The Coda Audio AP12 is a coaxial 2-way self-powered bi-amped full range loudspeaker system designed without compromise to provide a true one point source in a small package.

The cabinet contains an extremely high power 12" neodymium woofer and a coaxially mounted neodymium driver with an 80° x 60° elliptical waveguide. The advanced design aligns the acoustical centres of the transducers to produce a single point source. This unique loudspeaker technology provides a coherent wave front without hot spots. Precise directivity ensures uniform coverage with perfect time alignment between the components. The use of a high efficiency class D amplifier for the low frequency and MOSFET amplifier for the high frequency ensure small size, reduced weight and superb sonic performance. The AP12 incorporates a multi design enclosure enabling it to be used as a front of house full range unit or as a floor monitor. The addition of an integral top hat and flying hardware as standard allows for multipurpose applications and placement.

Applications include convention centers, theatres, corporate events, nightclubs, stage monitor and band PA.

TECHNICAL SPECIFICATIONS AP12

Type:	2-way coaxial self-powered full range system
Application:	High level short to medium throw
Frequency response:	64 Hz – 20 kHz (-3 dB)
Maximum output long term:	125 dB
Maximum output peak:	131 dB
Dispersion:	80° x 60°
Amplifiers low range:	Class D
Power output (RMS):	500 W / 4 Ohm
Peak output current:	> 45 A
THD + N:	< 0.02% @ 500 W, 1 kHz, 4 Ohm
Amplifier high range:	MOSFET 180 W (RMS), 500 W burst
THD + N:	< 0.02%
Components:	
Low frequency:	12" neodymium woofer, 3" (77 mm) voice coil, 500 W (AES)
High frequency:	Neodymium driver 1.75" (44.4 mm) voice coil, 80 W (AES)
Crossover:	1.3 kHz / active
High pass filter:	46 Hz / 18 dB
Input:	Balanced
Connectors:	1 x female XLR / TRS Jack; 1 x male XLR loop (Pin 2+; 3-; 1 Gnd)
Impedance:	10 kOhm
Input sensitivity:	0.775 V (RMS)
AC connector:	Neutrik™ PowerCon
AC power requirements:	1000 W peak, 600 W continuous (max)
LED indicators:	Power on, Signal, 0-dB, LF limit, HF limit, Overload
Gain:	-12 dB to 0 dB
Controls:	Bass EQ +6 dB @ 60 Hz on / off, input phase
Enclosure shape:	Multi-design
Suspension:	1 x air cargo track and 8 x M6 threaded points
Enclosure material:	15 mm Baltic birch
Finish:	Textured black paint
Dimensions:	348 x 534 x 348 mm
Net weight:	23 kg

ACCESSORIES

CU12AV	Vertical U-bracket for AP12
CU12AH	Horizontal U-bracket for AP12
Cab2	System loop cable powercon + signal for AP12, 2 m
Cab5 main	System cable powercon + signal for AP12, 5 m
ANC Ring	Ring Mount for Cargo Tracks for AP12