

D20

- 3-way coherent point source technology
- True full range performance (35 Hz – 20 kHz)
- 8"/1.75" coaxial driver and 12" extremely high excursion cone driver

- High power handling of 1000 W (AES)
- Symmetrical coverage of 90°
- Optimized for near-field applications

True full range
3-way point source

D20

- System components: Coda Audio System Amplifier, Coda Audio System Controller

HISTORY

Large studio monitors are engineered to produce extended low frequencies at low levels. Whereas, full range PA loudspeakers are not really full range; they are optimized for high efficiency above 60Hz so require additional subwoofers to extend the lower frequency range. There are few if any professional solutions for a compact cabinet providing extended low frequency at high SPL. D20 is such a solution - a compact 3-way point source designed without compromise to provide extended low frequency at high level.

DESCRIPTION

The D20 is a passive 3-way full range compact system, designed for installation applications where extended low frequencies and superior dispersion control are required.

TECHNICAL SPECIFICATIONS D20

Type:	Compact 3-way true full range installation system
Application:	Superior quality near-field applications with extended low range
Frequency response:	35 Hz - 20 kHz (-4 dB)
Power handling AES:	1000 W
Peak power:	4000 W
Sensitivity:	97 dB*
Max. SPL peak:	133 dB**
Dispersion:	90° conical
Components:	
Low frequency:	12" woofer, 1000 W (AES)
Mid/High frequency:	8"/1.75" coaxial driver, Mid: 2" (51 mm), High: 1.75" (44.4 mm) voice coil, 180 W + 80 W (AES)
Crossover:	300 Hz, 1.3 kHz passive
Nominal impedance:	4 Ω
Cabinets per amp channel:	1***
Input connectors:	2x Neutrik™ NL4MP
Suspension:	10x M6 threaded points
Enclosure material:	Birch plywood
Finish:	Polyurea black coating (water resistant)
Dimensions (WxHxD):	342 x 700 x 425mm
Net weight:	26 kg
Weatherproof version:	Optional

* Half-space loading

** Measured with pink noise 6 dB crest factor

*** In low SPL applications up to 2 x D20 per channel can be connected

TRUE FULL RANGE

The 12" ultra low distortion cone driver covering the range 35 Hz – 400 Hz. with 3" voice coil, ensuring linear excursion, and 3 aluminum shorting rings reduce inter-modulation distortion; minimize induction variation while reducing thermal compression. This design reduces dramatically the distortion of a typical subwoofer at longer excursion levels, and improves the overall sound quality providing deep and punchy bass.

TRUE COCHERENT

At the heart of the D20 is the newly developed 8"/1.75" coaxial driver. The 8" cone midrange covers the 200 - 1.800 Hz range. The high frequency driver contains an ultra light 1.75" annular diaphragm providing exceptional transient response with very high efficiency from 1kHz to 20 kHz.

CONTROLLED DISPERSION AT HIGH SPL

The low and mid range are overlapped in the range 200 – 400 Hz while mid and high range are overlapped in the 1 – 1.8 kHz range. This increases the maximal SPL of the system providing improved directivity control.

SYSTEM SOLUTION

The D20 is designed to work exclusively with dedicated Coda Audio LINUS or C3/C5 amplifiers as an integrated solution for DSP control, amplification, network remote control and diagnostic. The integrated solution ensures optimal performance and protection.

OPTIONS

Additional colours and weather protection options are available on request.

APPLICATIONS

Designed for small to medium installation applications where extended low frequency range at high level is required without the use of additional subwoofers.

ACCESSORIES

CUD20V	Vertical U-bracket for D20	24481	Wall mount
CUD20H	Horizontal U-bracket for D20	DSF	Stand fitting
DFA	Flying adapter	M6	Ring