

PW18A-Pro



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Active tri-amp subwoofer including amplifier outlets for stereo tops

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- Coda Audio 18" Neodymium ultra low distortion woofer
- 1000 W plus 2 x 500 W class D amplifiers
- Low power compression, superb sound quality
- Optical Limiters for state-of-the-art protection
- Optimized to power the Coda
- Optimized to power the Coda G-Series passive cabinets
- System components: G308, G512-96

PW18A-Pro is an active tri-amp subwoofer with amplifier outlets for passive tops containing 2000 W amplification and processing for a complete stereo Sub / Sat system.

The electronic: integrates one 1000 W high efficiency class D amplifier for the low frequency and 2 x 500 W class D amplifiers for the top cabinets. The advanced analogue processor includes optical limiters for each channel, 24 dB phase-aligned crossovers, subsonic filters, EQ's etc to provide a perfect match between amplifiers and loudspeakers for optimum acoustic output and reliability.

The use of high efficiency class D amplifiers for the subwoofer and for the tops ensures small size, reduced weight and superb sonic performance.

The loudspeaker components: high power high excursion neodymium ultra low distortion woofers provide powerful and extended low frequency response. The incorporated 18" loudspeaker is 4 Ohm, consuming the whole power of 1000 W from the class D amplifier and therefore cannot drive additional passive subwoofers. The cabinet incorporates extremely high excursion, state of the art 18" neodymium driver found only in top of the range concert systems. Optimal output v / s volume.

System integration: Optimized to work together with the G-series full range passive cabinets, the PW18APro active subwoofer can be connected to diverse mid-high loudspeakers for different applications to build a complete stereo Sub/Sat system while replacing multiple 19" audio gear and eliminate the need of external racks.

Applications: Used in a wide variety of configurations they provide compact and economical plug and play solution for bands, small touring PA-systems, mobile DJ's or permanent installations.

TECHNICAL SPECIFICATIONS PW18A-Pro

Type:	Self-powered subwoofer cabinets and satellite amps
Application:	Small / medium venues subwoofer
Frequency response:	30 Hz to 80 Hz
Maximum SPL peak:	131 dB
Amplifier Sub:	Class D
Max. power output (RMS):	1000 W / 4 Ohm
Peak output current:	50 A
THD + N:	0.04% @ 1000 W, 100 Hz, 4 Ohm
Amplifiers Top:	2 x 500 W Class D, 8 Ohm continuous, 2 x 600 W burst
THD + N:	< 0.001%
Components:	18" high excursion woofer 4 Ohm, 4" (101.6 mm) voice coil, 1200 W (AES)
Crossover:	20 Hz high pass 18 dB, 100 Hz low pass 24 dB, EQ
Input:	Balanced
Connectors:	L + R female XLR / TRS Jack; L + R male XLR loop (Pin 2 +; 3-; 1 Gnd)
Impedance:	10 kOhm
Input sensitivity:	0.775 V (RMS)
External speaker outputs:	L, R, Sub, 3 x Neutrik™ NL4MP (8 Ohm only)
AC connector:	Neutrik™ PowerCon
AC power requirements:	2800 W peak, 1400 W continuous (max)
LED Indicators:	Power on, Signal, 0-dB, LF Limit, Overload
Gain:	-12 dB, 0 dB
Controls:	Volume: Sub, Top L, Top R
Enclosure material:	18 mm Baltic birch
Finish:	Textured black paint
Dimensions:	580 x 624 x 690 mm
Net weight:	59 kg

D-Core8**D-Core8.6**

2000 W, containing:

- 1 x Coda PW18A-Pro
- 2 x Coda G512-96
(for more information please see page 26)

D-Core8.6 is an active compact sub / sat system for bands, mobile DJ's as well as general PA applications.

**D-Core8.7**

2000 W, containing:

- 1 x Coda PW18A-Pro
- 4 x Coda G308
(for more information please see page 25)

D-Core8.7 is a distributed four point system for small clubs, theatres, shopping centres or corporate AV events.

