

## PW418Av<sup>2</sup>/PW418v<sup>2</sup>

- High output subwoofer
- Double Coda Audio 18" neodymium ultra low distortion woofers
- Linear frequency response down to 28 Hz
- Maximum SPL 145 dB (peak)
- Low power compression

The **PW418** is a double 18" high output subwoofer that provides powerful and extended low frequency response with immense head-room. Low port compression and optimized enclosure design give a tight, accurate bass response that is ideally suited for touring, dance clubs and large installations.

### State of the art drivers

The PW418 is equipped with twin extremely long excursion 18" neodymium ultra low distortion woofers. The neodymium motor delivers extreme high magnetic flux for increased efficiency. The 4" voice coil is 38 mm high, ensuring ultra linear excursion of 26 mm / pp at consistent magnetic force. State-of-the-art carbon-fiber cone ensures maximum stiffness and low moving mass. Three aluminum shorting rings reduce intermodulation distortion, minimize induction variation while reducing thermal compression. This design dramatically reduces the distortion of a typical subwoofer at longer excursion levels, and improves the overall sound quality and performance characteristics of the cabinet.

### Applications:

The PW418 is perfect suited as a sub-extension for AIRLINE LA8 and G700-Series systems and can be used in arenas, houses of worship, theatres, club and open air.

### System Components:

- Top: AIRLINE LA8 or G700 Systems  
 Analogue Controller: AC24  
 DSP Controller: DC426 or DNC260  
 Amplifier: 2 x 3000 W @ 40hm  
 (minimum 2 x 2200 W @ 4 Ohm)  
 Cable: Speakon 2 x 4 mm<sup>2</sup>

TECHNICAL SPECIFICATIONS PW418v <sup>2</sup> :	
Type:	2 x 18" subwoofer
Application:	High output subwoofer
Frequency response (-6 dB):	28 Hz to 120 Hz
Power handling (AES / Peak):	2500 W / 10000 W
Sensitivity 1 W / 1 m: <sup>1</sup>	105 dB
Maximum output peak: <sup>2</sup>	145 dB
Components:	2 x 18" neodymium ultra low distortion woofers 4" (101.6 mm) voice coil, 1250 W (AES) each
Nominal impedance:	4 Ohm, +1 / -1
Input connectors:	2 x Neutrick™ NL4MP
Suspension:	optional
Enclosure material:	Baltic birch
Finish:	Textured black Paint
Dimensions (W x H x D):	1164 x 584 x 780 mm
Net weight:	85 kg

<sup>1</sup> Half-space loading

<sup>2</sup> Measured with pink noise 6 dB crest factor



TECHNICAL SPECIFICATIONS PW 418Av <sup>2</sup> :	
Type:	Self-powered subwoofer
Application:	Medium / large venues subwoofer
Frequency response:	28 Hz to 80 Hz
Maximum SPL peak:	145 dB
Amplifier:	Class D
Max. power output (RMS):	2 x 1000 W / 4 Ohm
Peak output current:	50 A
THD+N:	0.04 % @ 1000 W, 100 Hz, 4 Ohm
Components:	2 x 18" ultra low distortion neodymium woofer 4 Ohm, 4" (101.6 mm) voice coil, 1250 W (AES) each
Crossover:	20 Hz high pass 18 dB, 80 Hz or 150 Hz low-pass 24 dB, EQ
Input:	Balanced
Connectors:	1 x female XLR / TRS Jack; 1 x male XLR loop; 1 x male XLR top-24dB high pass output at 80 Hz or 125 Hz (Pin2+; 3-; 1 Gnd)
Impedance:	10 kOhm
Input sensitivity:	0.775 V (RMS)
External speaker output:	Neutrick™ NL4MP (8 Ohm only)
AC Connector:	Neutrick™ PowerCon
AC power requirements:	4000 W peak, 2000 W continuous (max)
LED Indicators:	Power on, Signal, 0- dB, LF Limit, Overload
Gain:	-9 dB, +3 dB
Controls:	2 x High / Low Pass Filters
Suspension:	Optional
Enclosure material:	18 mm Baltic birch
Finish:	Textured black Paint
Dimensions:	1164 x 584 x 780 mm
Net weight:	98 kg