

XD Series

digital power amplifiers



Products table:

Model	4 Ohm	8 Ohm
XD 2500	1250 W + 1250 W	650 W + 650 W
XD 4000	2100 W + 2100 W	1300 W + 1300 W
XD 6000	3650 W + 3650 W	1900 W + 1900 W


Features:

- High output power



- Small sizes, low weight (< 9Kgs)
- Easy portable / Ideal for touring applications
- Intelligent protective functions
- Built-in Limiter
- Full switching energy conversion
- Embedded microcontroller
- Very high power efficiency
- Two LED bars display output levels
- Rugged steel chassis
- Two knobs for level settings
- Resonant power supply includes active **PFC** (Power Factor Correction)

Specifications:

	PKNC XD2500	PKNC XD4000	PKNC XD6000 <i>new model!</i>
Name	Professional power amplifier		
Power requirements	160V – 270 VAC, (50-60Hz)		
Max. power consumption	2600W	5500W	7900W
Soft starting	yes		
Power supply	High frequency resonant includes active PFC		
Mains connection	NEUTRIK POWERCON		
Working temperature range	0 - 40C		
Storage temperature range	-25C - 60C		
Output power @ 8 Ohms	700W + 700W	1300W + 1300W	1900W + 1900W
Output power @ 4 Ohms	1300W + 1300W	2100W + 2100W	3650W + 3650W
Minimum load impedance	2 Ohm		
Frequency (+/- 3dB , 8Ohm)	5Hz - 20KHz		
Slew rate	50V / us		60V / us
Damping factor	400	500	600
End stages	High frequency semi soft switched PWM in balanced configuration		
Output connections	Four pole NEUTRIK SPEAKON (1+2+ in parallel,1-2- in parallel)		
Signal to Noise ratio A-Weighted 20Hz-20KHz	100 dB	102 dB	107 dB
Nominal sensitivity for maximum output level (balanced)	1.4V (rms)	1.7V (rms)	1.7V (rms)
Input impedance (referred to ground)	10KOhm +10KOhm (+/- 1%)		
Input terminals	NEUTRIK XLR		
Built in limiter	yes		
Output level meter	Ledbar, status leds		
Control terminals	Two knobs		

Input sensitivity	-95.5dB – 0 dB (steps 0.5 dB)		
User profiles	5 user profile		
Protections	Short circuit,Overload,low impedance,thermal,DC fault		
Cooling	Forced air cooling with regulated DC fans		
Direction of air flow	Front to rear		
Remote control	-		
Weight	8 Kg	9 Kg	9.5 Kg
External dimensions	19" rack 483mm * 440mm * 44mm (1RU)		

Producer : PKN Controls, HUNGARY