

# ***XE Series***

*networkable digital power amplifiers*



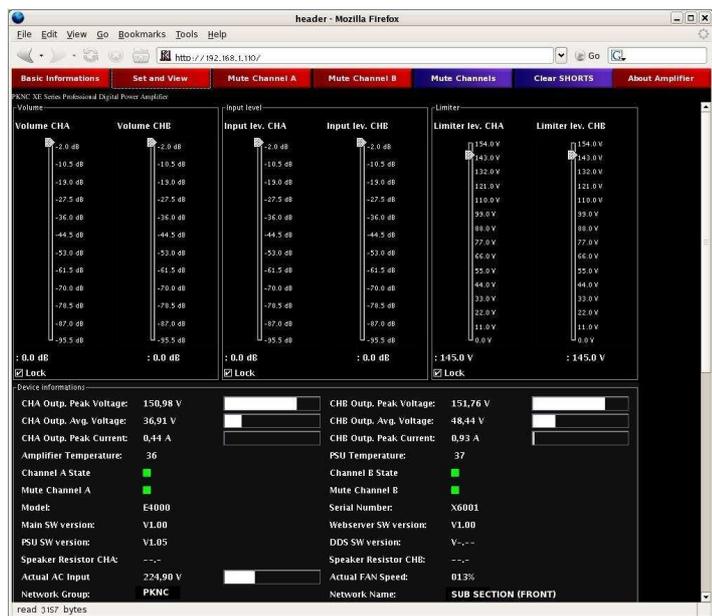
The XE Series professional amplifiers are designed for portable and fixed installations. These models available: **XE 2500**, **XE 4000**, **XE 6000**. All type have graphics LCD display and two JOGs for change system parameters. The devices have internal webserver for remoting. There are two possible ways to use the remote control functions: with normal internet browser (JAVA based), and with PKNC control software.

### Products table:

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

### Features:

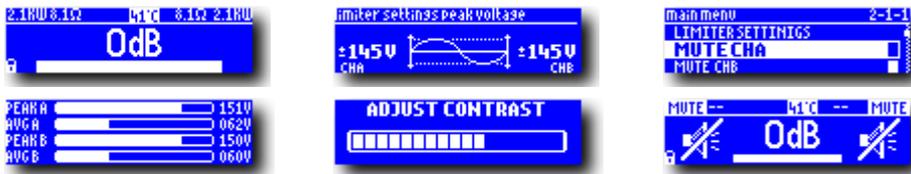
- High output power and high efficiency
- Advanced high frequency switching technology
- Small size, low weight, ideal for touring application
- Networkable amplifier over standard Ethernet
- AMPControl software and JAVA based control
- All functions can be accessible by remote
- Graphics LCD for easy setup and diagnostics
- Two JOG button for fast



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- Digital volume and input sensitivity control
- Built-in programmable limiter
- Output Peak and average Voltage, Current measuring
- Displays actual load impedance
- Embedded webserver for set&view parameters by a web browser
- Five user profiles
- Intelligent protective functions
- High frequency resonant power supply with active PFC function
- Wide mains voltage operation range

### LCD Screenshots:



### Specifications:

	PKNC XE2500	PKNC XE4000	PKNC XE6000 <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	Programmable limiter		
Output level meter	Ledbar, status leds		
Display	Graphics LCD		
Control terminals	JOGs, buttons		
Volume control	Set by control jog wheels or remote -95,5dB – 0dB (in 0.5dB steps)		
Input sensitivity	-95.5dB – 0 dB (steps 0.5 dB)		
Limiter settings range	10 - 100 V	10 - 155 V	10 - 170 V
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	10/100 Mps ETHERNET		
Weight	8 Kg	9 Kg	9.5 Kg
External dimensions	19" rack 483mm * 440mm * 44mm (1RU)		

**Producer : PKN Controls, HUNGARY**