

LC Series

Digital Power Amplifiers



Products table:


Model	4 Ohm	8 Ohm
LC 2002	2 x 1000 W	2 x 500 W
LC 4004	4 x 1000 W	4 x 500 W



Features:

- Small size, lightweight 4ch amplifier
- Twin single stage double resonant power supply
- High output power
- Built-in limiter and bridged configuration ability
- High power conversion efficiency
- Low thermal emission
- 2way selectable hi/low-pass crossover
- Wide operational range of mains voltage
- Intelligent protective functions
- Soft-start, line overvoltage protection
- Rugged steel chassis

Specifications:

	PKNC LC2002	PKNC LC4004
Name	Professional Power Amplifier	
Power requirements	160V – 270 VAC, (50-60Hz)	
Max. power consumption	12 A	20 A
Soft starting	yes	
Power supply	High frequency resonant includes active PFC	
Mains connection	NEUTRIK POWERCON	
Working temperature range	0C - 40C	
Storage temperature range	-25C - 60C	
Output power @ 8 Ohm	2 x 500W	4 x 500W
Output power @ 4 Ohm	2 x 1000W	4 x 1000W
Minimal load impedance	2 Ohm	
Frequency (+/- 3dB , 8Ohm)	5Hz – 22KHz	
Slew rate	50V / us	
Damping factor	400	400
End stages	High frequency semi soft switched PWM in balanced configuration	
Output connections	Four pole NEUTRIK SPEAKON (1+2+ in paralell, 1-2- in paralell)	
Signal to noise ratio	104 dB	104 dB
ANominal sensitivity for max. output level. (balanced)	700mV (rms)	700mV (rms)
Input impedance (referred to ground)	10KOhm +10KOhm (+/- 1%)	10KOhm +10KOhm (+/- 1%)
Input terminals	NEUTRIK XLR	NEUTRIK XLR
Built inimiter	yes	yes
Crossover	100 Hz Hi-pass filter, 120 Hz Lo-pass filter, 160 Hz Lo-pass filter	100 Hz Hi-pass filter, 120 Hz Lo-pass filter, 160 Hz Lo-pass filter
Output level meter	status LEDs	status LEDs
Protections	Short circuit, Overload, low impedance, thermal, DC fault	Short circuit, Overload, low impedance, thermal, DC fault
Cooling	Forced air cooling with regulated DC fans	Forced air cooling with regulated DC fans
Direction of air flow	Front to rear	Front to rear

Bridged configuration ability	yes	yes
Remote	-	-
Weight	6 Kg	8 Kg
External dimensions	19" rack 483mm * 460mm * 44mm (1RU)	



Producer : PKN Controls, HUNGARY