

DHD SERIES D4-3K

FEATURES

- New-generation two-unit rack mounting amplifier
- 4 channels x 700 W on 4 Ω
- Class D Pulse Modulation technology based on a phase-shift controlled self-oscillating loop.
- Very high acoustic performances
- Extremely sturdy chassis complete with handles for a sure grip and easy transport
- 24dB/octave Hi-Pass and Lo-Pass output filter on request



APPLICATIONS

- Top professional applications both in large fixed and live installations.

DESCRIPTION

The need for easy portability, and therefore low weight combined with high power, is now met with the new Outline DHD Series D4-3K power amps, with a completely switching output stage.

Chief distinguishing features are the flat frequency response irrespective of load impedance, nearly frequency-independent distortion behaviour and very low radiated and conducted EMI.



Compared to conventional linear amplifiers, the use of PWM (Pulse Width Modulation) conversion techniques enables unbeatable performance to be achieved as far as POWER DENSITY and EFFICIENCY are concerned. The results achieved enable the DHD Series amplifiers to be smaller and about a fifth of the weight of traditional amplifiers of the same power, thus greatly facilitating transport and reducing rack space required. Moreover, with standard music programs, the Outline DHD Series' very high yield

(over 90%) enables to reduce dissipated power to about 1/10 that of an equivalent linear amplifier.

The HF conversion circuit used in the Outline DHD Series amplifiers virtually simulates a purely resistive load carrying out power factor correction and ensuring almost total stabilization of the power voltage of the output stage, no matter what the mains voltage. This keeps the power amplifier's performance unchanged, thus minimizing reactive power and harmonic distortion introduced on the current absorbed.

TECHNICAL SPECIFICATIONS:

FREQUENCY RESPONSE	(± 1 dB)	10 Hz \div 50 kHz
INPUT	Four > 30 k Ω Electronically balanced	
CONTINUOUS RATED OUTPUT POWER EIAJ (1% THD)		(8/4 Ω) 4 - channels 400/ 700 W
SLEW RATE	> 40 V/ μ sec	
THD FROM 0.1 W TO FULL POWER	< 0.05%	
SIGNAL NOISE RATIO	106 dB A-weighted	
INPUT CONNECTORS	4 paralleled balanced male and female XRL	

OUTPUT CONNECTORS	Neutrik Speakon NL4MP
MAINS POWER	Universal switch-mode PSU, 90 V ~ 250 V AC, 50 ~ 60 Hz
POWER CONSUMPTION (1/8 nominal power on 4 Ω)	700 VA
WEIGHT	11 kg (24.3 lb)
DIMENSIONS	
Height	88 mm (3.5")
Width	482 mm (19")
Depth	422 mm (16.6")

PWM POWER AMPLIFIERS