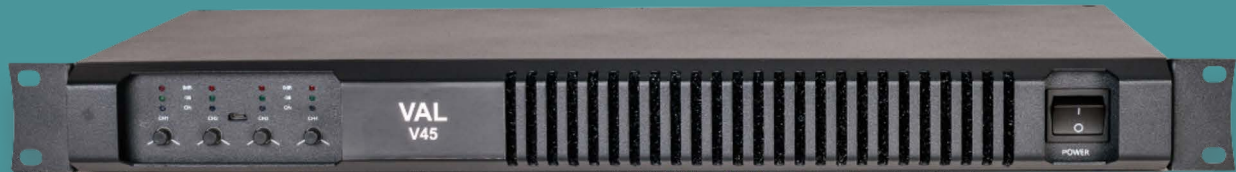


V45

Professional Power Amplifier

VAL audio

Die Liebe zur Musik



The VAL audio V45 amplifier represents a new age of Digital amplification. These class D Digital amplifiers designed for both Touring and fixed install applications feature the latest Digital technology for amplifiers. Featuring highly efficient class D circuitry these 1U and light weight amplifiers weighing just 3.6kg (net) offer very high power output. The V45 is 4 x 1250W at 4 ohms. In spite of these high power output and the 1U design the V45 runs extremely cool. This is due to our unique design and electric energy efficiency of > 85%. This can only be accomplished when only no compromise and best quality. Our amplifiers feature comprehensive protection circuitry - soft start, high frequency, DC, short circuit, overload, clip/limit and over heat protection. The V45 is designed at per the highest standards and will offer you many years of trouble free operation.

KEY FEATURES

- Designed for both Touring and Fixed Installations
- Highly efficient Class D Technology
- Unique 1U extremely compact design
- High current SMPS power supply with active PFC correction
- Extremely light weight just 3.6kg
- Very High Power output - 5000W EIA combined output
- High damping factor > 1000
- Low idle power consumption, only 20W
- Only highest quality components used
- XLR inputs and speakon output connectors

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SPECIFICATIONS

MODEL	V45
Power (EIA Standard)	
8Ω Stereo	4 x 700W
4Ω Stereo	4 x 1250W
Output Voltage (Vp)	110V
Output Current (IP)	60A
Input Sensitivity	0.775V
Limit Impedance (DCR min)	1.6Ω
Total Harmonic Distortion (8Ω / 100W / 100Hz)	<0.03%
Frequency Response (8Ω / 100W / +-0.5dB)	10Hz – 22kHz
Signal to Noise Ratio (8Ω / 100Hz / A - Weighting)	105dB
Damping Factor (8Ω / 300W / 100Hz)	>1000
Controlled Slew Ratio (8Ω / 300W / 100Hz)	>100V/us
Electric Energy Efficiency (8Ω / 300W / 100Hz)	>85%
Idle Power (230V)	20W
Power Factor (1000W / 230V / 50Hz)	>0.85
Frequency Modulation	350kHz
Power Factor (1000W / 230V / 50Hz)	3.6
Frequency Modulation	482 x 225 x 45