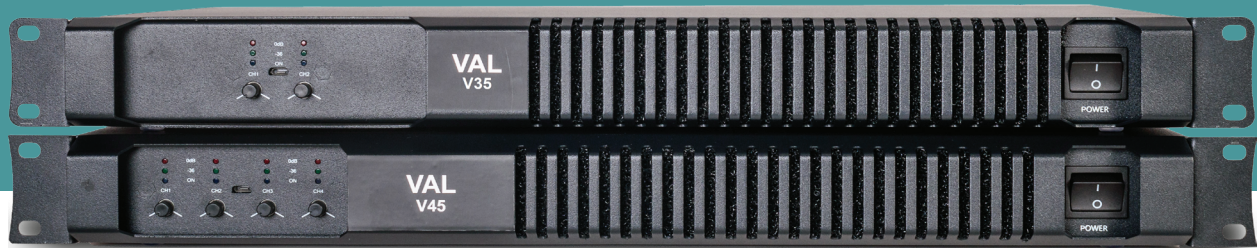


V Series

Professional Power Amplifier

VAL audio

Die Liebe zur Musik



The VAL audio V series of amplifiers 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 V35 is 2 x 3500W at 4 ohms and V45 is 4 x 1250W at 4 ohms, EIA continuous outputs and not burst ratings. In spite of these high power outputs and the 1U design the V series 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 components are used. The VAL audio V series of amplifiers only consume 20W of power at idle, again a testimony to our design and quality. Our amplifiers feature comprehensive protection circuitry – soft start, high frequency, DC, short circuit, overload, clip/limit and over heat protection. The V series are designed at per the highest standards and will offer you many years of trouble free operation.

KEY FEATURES

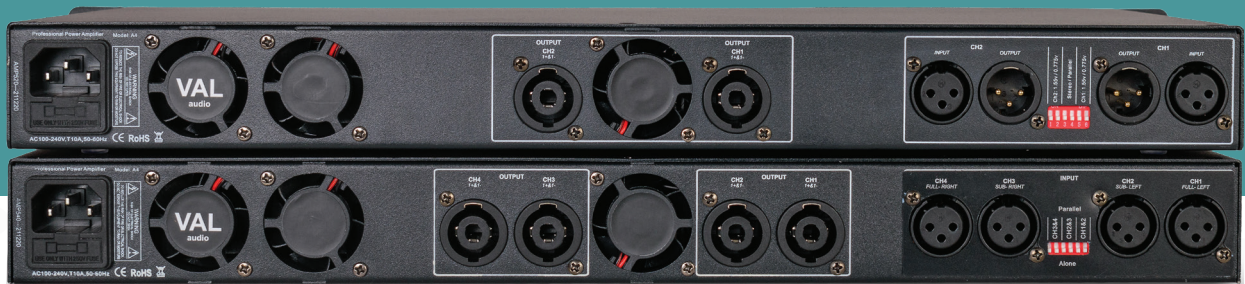
- Designed for both Touring and Fixed Installations
- Highly efficient Class D Technology
- Unique 1U extremely compact design
- High current SMPS power supply with active PFC correction
- Extreme light weight just 3.6kg
- Very High Power output - 5000W EIA combined output
- High damping factor >1000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

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SPECIFICATION

| MODEL | V45 | V35 |
|--|----------------|----------------|
| Power (EIA Standard) | | |
| 8Ω Stereo | 4 x 700W | 2 x 1850W |
| 4Ω Stereo | 4 x 1250W | 2 x 3500W |
| 2Ω Stereo | NA | |
| Output Voltage (Vp) | 110V | 180V |
| Output Current (IP) | 60A | |
| Input Sensitivity | 0.775V | 1.55V / 0.775V |
| Limit Impedance (DCR min) | 1.6Ω | 3.2Ω |
| 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 | |
| Net Weight (Kg) | 3.6 | |
| Size (mm) | 482 x 225 x 45 | |