

V-SERIES

4-Channel networked systems FIR amplifiers with DSP and database



INTRODUCTION

The V-series Pro-amp systems amplifiers was designed for pro-audio touring and fixed installations. Featuring two models, V3000 and V10000, 4-channel amplifiers with DSP, matrix, Network, AES, FIR (DANTE optional) With all prophon speakers stored in the internal loudspeaker database for accessing, routing and using in any combination and any configuration, so that the user can build and set up presets and configurations according to need and application. With the user-friendly touch-display all features can be managed without using a computer. Up to 256 amplifiers can be connected in a daisy-chained network, using the dedicated software, where amplifiers, speakers and channels can be grouped in several layers and depth, linked, assigned and managed with 15 EQ on each channel, delay, crossover. The V-series can be used in fixed installations, portable use or tour, we also offer our PRO-AMP 19" RACKS ready to go, with PDU's, amplifiers and connection panels mounted in either tour-racks, or installation racks, depending on need and application.

FEATURES

- ▶ Two models available: V3000 with 4x750W, and V10000 with 4x2400W
- ▶ Load stable in 2 ohm Lo-Z and 100V Hi-Z
- ▶ 2RU in height
- ▶ Light weight class-D and switched mode power supply
- ▶ 4 INPUT / 4 OUTPUT fully routable matrix topology
- ▶ AES / analogue input / link out
- ▶ Daisychained network via two RJ485 connectors
- ▶ Wide mains power input 100-240VAC
- ▶ 5:th generation switched mode power supply for light weight and stable mains power.
- ▶ PFC (Power Factor Correction)
- ▶ TFT touch-display with access to all functions, for editing and setting up your system.
- ▶ 4 buttons and one rotary encoder for fast access and editing
- ▶ All prophon loudspeaker presets fully accessible, assignable and routable from the internal loudspeaker database
- ▶ Advanced FIR filters for phase-coherent frequency response
- ▶ 15 User EQ, crossover, gain, delay for system integration, room calibration and system tuning
- ▶ Intuitive software for managing networked systems or stand-alone amplifiers.
- ▶ 96 user presets in the internal memory for storing custom setups, scenes and configuring custom systems



MODEL	V3000	V10000
Power All channels driven, LO-Z	4 x 500W @ 8 ohm 4 x 750W @ 4 ohm 4 x 500W @ 2 ohm	4 x 1350W @ 8 ohm 4 x 2500W @ 4 ohm 4 x 1700W @ 2 ohm
Power All channels driven HI-Z (100V)	4 x 500W	4 x 1350
Bridged mode (BTL) LO-Z	2 x 1400W @ 2, 4, 8 ohm	2 x 3500W @ 8 ohm 2 x 4000W @ 4 ohm
Parallel bridge (PBTL) LO-Z	1 x 2400W @ 4, 8 ohm	N/A
Max output voltage and current	Single ended 78 V _{peak} / 30 A _{peak}	Single ended 150 V _{peak} / 54 A _{peak}
Frequency response (+/- 0,8dB)	20 Hz - 20 kHz	20Hz - 20kHz
S/N (20Hz - 20kHz A-Weighted @ 8 ohm	Typical < -109dB (digital -113dB)	Typical < -111dB (digital -114dB)
Damping factor	> 500 @ 1kHz / 8 ohm	> 500 @ 100 Hz / 8 ohm
THD+N 1/2 Power	0,1% (typical < 0,05%)	0,1% (typical < 0,05%)
Mains power	PowerCon 16A / regulated SMPS with PFC, 100-240VAC, 50-60Hz	PowerCon 32A / regulated SMPS with PFC 100-240VAC, 50-60Hz
Connectors	4 x XLR analogue female input / 4 x XLR analogue male output, 2 x XLR female digital input, 2 x XLR male digital output, 4 x Speakon output, 2 x RJ485,	
DSP	4 input, 4 through, 4 output analogue, 2 AES pairs input. SHARC DSP@300MHz, 96kHz / 40 bit floating point asynchrony high-resolution sample rate converter (SRCs), 512 TAPS FIR filter on each output, Input delay 1000mS, Output delay 500mS, 15 custom Biquads on each channel.	
Dimensions	483 x 89 x 453	483 x 89 x 453
Weight	8,5 kg.	10 kg.