

4-Channel networked systems FIR amplifiers with DSP and loudspeaker-database



Database with all our speakers, with FIR filter coefficients for perfect phase, amplitude and delay alignment

INTRODUCTION

The V-series Pro-amp systems amplifiers was designed for pro-audio touring and fixed installations. Featuring three models, V6000, V10000 and V20000, 4-channel amplifiers with DSP, matrix, Network, FIR (AES / 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 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

- Three models available: V6000 with 6000W, V10000 with 10000W, V20000 with 20000W
- Load stabile in 8-2 ohm Lo-Z and 100V Hi-Z
- Optional DANTE 4x4 and AES67 for advanced networking and audio over network.
- Light weight class-H and SMPS switch mode power supply *(V20000 class-D)
- 4 INPUT / 4 OUTPUT fully routable matrix topology
- Daisychained network via two RJ485 connectors
- Mains power input 170-265VAC (V20000, wide mains input 90V - 265V AC)
- 5:th generation switched mode power supply for light weight and stabile mains power.
- 4,3" IPS touch-display with access to all functions, addressing speaker-models to channels, and for editing and setting up your system.
- Rotary encoder for fast access and editing
- All prophon loudspeaker presets fully accessible, assignable and routable from the internal loudspeaker database with several modes for each loudspeakers, such as monitor, fullrange, High-Pass, line array
- Advanced FIR filter cohicients for phase-coherent and time-aligned frequency responce
- 10 User EQ, crossover, gain, delay for system integration, room calibration and system tuning
- Intuitive software for managing networked systems or stand-alone amplifiers.
- User presets in the internal memory for storing custom setups, scenes and configuring custom systems
- Smart™ software integration,
- Grouping of several virtual channels for group-control in network



MODEL	V6000	V10000	V20000
Power All channels driven, LO-Z	4 x 1100W @ 8 Ω 4 x 1500W @ 4 Ω 4 x 1450W @ 2 Ω	4 x 1600W @ 8 Ω 4 x 2500W @ 4 Ω 4 x 2500W @ 2 Ω	4 x 2500W 4 x 5000W 4 x 5000W
Power per channel max (power-sharing)	1200W @ 8 Ω 1900W @ 4 Ω 1450W @ 2 Ω	1800W @ 8 Ω 3000W @ 4 Ω 2500W @ 2 Ω	3000W @ 8 Ω 6000W @ 4 Ω 6700W @ 2,76 Ω
Power All channels driven HI-Z (100V)	4 x 800W	4 x 2500W	4 x 5000W
Power All channels driven HI-Z (70V)	4 x 1500W	4 x 2500W	4 x 3500W
Bridged mode (BTL) LO-Z	2 x 3000W @ 4, 8 Ω	2 x 5000W @ 4, 8 Ω	2 x 10 000W @ 4, 8 Ω
Max output voltage and current	Single ended 144 V _{peak} / 38 A _{peak}	Single ended 176 V _{peak} / 50 A _{peak}	Single ended 235 V _{peak} / 71 A _{peak}
Frequency responce (+/- 0,8dB)	20 Hz - 20 kHz		
S/N (20Hz - 20kHz A-Weighted @ 8 ohm)	Typical < -106dB (digital -113dB)	Typical < -107,5dB (digital -114dB)	115dBA
THD+N 1/2 Power	< 0,05%		
Mains power	regulated SMPS, 170-265VAC, 50-60Hz	regulated SMPS, 170-265VAC, 50-60Hz	SMPS, Wide mains 90V - 265V AC
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, (2 AES pairs input. 4x4 DANTE option) Double 96kHz / 64 bit floating point asynchrony high-resolution sample rate converter (SRCs), 1000 TAPS FIR filter on each output,		
Dimensions	483 x 89 x 453	483 x 89 x 453	483 x 89 x 355
Weight	8,5 kg.	8,5 kg.	9 kg.

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