

V-SERIES SYSTEMS DSP-AMPLIFIERS



INTRODUCTION

The V-series range of systems amplifiers was designed for reliable installation applications and demanding tour and on-the road usage. Designed, developed and manufactured in the EU, with high quality components, the V-series encompasses a host of high-end functions and features. The powerful on-board 4x4 channel double-64bit/96kHz DSP features 1000 TAPS custom FIR on each channel, with both IIR and FIR filters on all input and output channels. All Prophon speakers are stored in the internal database for easy access, routing and system-setup, where you can design systems and store as presets, or scenes. Furthermore, as a user you have 12 x IIR filters and 20 FIR filters on each output, and 16 filters on each input for customization, room-correction, system EQ or zone adaptation.

The large 4,3" IPS touch-panel allows the user to access and set all features and parameters available in the GUI software, with the easy-to-use logical menu system.

The Class-H 3-step asymmetrical load, switch-mode topology allows for non-symmetrical load and power on channels, for better optimization and power-allocation and for very high headroom.

V6000 features a total of 6000W divided on 4 channels (2x3000W bridged) and the V10000 features 10000W divided on 4 channels (2x5000W bridged)

Handling loads from LO-Z: 2Ω-8Ω, and HIGH-Z: 70V & 100V line power
Total freedom in routing, virtual grouping allows for grouping EQ's
Built-in Smaart® software integration for measuring and editing acoustics.

SPECIFICATIONS

Model	V6000	V10000
Total power	6000W	10000W
power 8 ohm single channel	1 x 1200W	1 x 1800W
power 8 ohm all channels	4 x 1100W	4 x 1600W
Power 4 ohm single channel	1 x 1900W	1 x 3000W
Power 4 ohm all channels	4 x 1500W	4 x 2500W
Power 2 ohm single channel	1 x 1450W	1 x 2500W
Power 2 ohm all channels	4 x 1450W	4 x 2500W
Bridge 8 ohm	2 x 3000W	2 x 5000W
Bridge 4 ohm	2 x 2900W	2 x 5000W
Hi-Z 70V	4 x 1500W	4 x 2500W
Hi-Z 100V	4 x 800W	4 x 2500W
Max output voltage	144 V _{peak}	176 V _{peak}
Max output current	38 A _{peak}	50 A _{peak}
Total harmonic distortion	<0,05%	
Intermodulation distortion (SMPTE)	<0,05%	
Crosstalk (20Hz-1kHz) typical	>70dB	
Voltage gain	26dB to 44dB (1dB steps)	
Signal to noise ratio	106dB	107,5dB
Operating voltage	170V-265V AC / 90V-140V AC	
1/8 rated power (@230V, 4ohm)	15A	16A
Dimensions	483 x 89 x 320	

KEY FEATURES

- Designed for tour and installation
- 64bit / 96kHz DSP
- 4-channel architecture
- 4,3" IPS touch-display
- Power-sharing technology
- up to 10000W
- Class H, 3-step topology
- Switch-mode powersupply
- PMS technology
- Assymetric load capacity
- Powerful 1000-taps FIR-filters
- Loudspeaker database
- All prophon speakers stored
- 96kHz/24 bit AD/DA converters
- Available with AES67 & DANTE
- 2 x ethernet port switch
- Daisy-chained ethernet
- 2, 4, 8 ohm, 70V, 100V
- High voltage output
- High headroom performance
- 10 individual protection systems
- Linear phase FIR crossovers
- Linear FIR phase EQ filters
- Total freedom in routing
- 20 snapshots
- 20 presets
- Master control groups
- Smaart® software integration
- 12 x IIR filters on each output
- 20 x FIR filters on each output
- 16 x filters on each input
- RMS & Peak limiter per channel
- DSP fully accessible from touch-display
- Input delay up to 114m. / channel
- Output delay up to 31m. / channel
- Xover filters FIR & IIR up to 48dB/oct.

prophon
SOUND SYSTEMS

SINCE 1985

