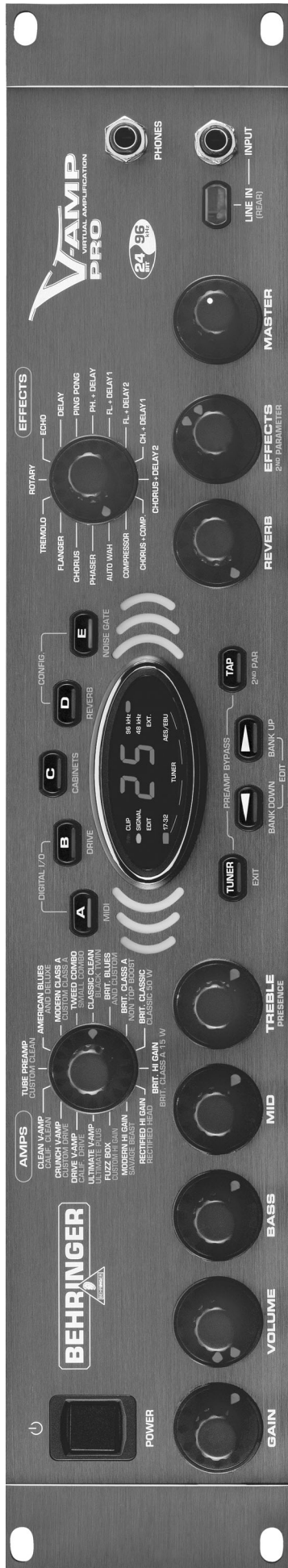


V-AMP PRO



Technical Specifications

Version 1.0 February 2003

ENGLISH

www.behringer.com



V-AMP PRO

Professional Guitar Amp Modeling and Multi-Effects Processor with Additional 24-Bit/96 kHz Digital Output and ULTRA-G Cabinet Simulation

- ▲ 32 authentic virtual amp models can be combined with any of the 15 speaker cabinet simulations, noise gate, compressor, wah-wah, modulation effects, delay and reverb
- ▲ 125 memory locations, divided into 25 banks of 5 presets each
- ▲ Facilitates direct recording without an amp for professional guitar tones
- ▲ Easy, intuitive operation with self-explanatory controls
- ▲ Comprehensive LED's show all current settings
- ▲ 15 rear panel connectors allow comprehensive routing and suit virtually every conceivable application
- ▲ Additional unparalleled authentic cabinet simulation with sound designed by Juergen Rath
- ▲ Stereo headphones output with adjustable volume
- ▲ Adjustable auto-chromatic tuner
- ▲ Internal power supply unit
- ▲ Extremely low-noise instrument input ensures maximum guitar signal integrity
- ▲ Pre DSP send/return for dry recording and wet monitoring
- ▲ Stereo 1/4" line outputs controlled by master volume for live use as guitar preamp
- ▲ Balanced stereo XLR DI out with ground lift and switchable ULTRA-G cabinet simulation
- ▲ Post DSP stereo inserts for connection of external effects
- ▲ Phones output on front panel for easy access
- ▲ BNC wordclock input for external sample rate synchronization up to 96 kHz
- ▲ AES/EBU and S/PDIF connectors allow usage as an all-purpose A/D converter with 24-bit/96 kHz digital output
- ▲ MIDI In, Out/Thru
- ▲ Manufactured under ISO9000 certified management system

SPECIFICATIONS

AUDIO INPUTS

Guitar input	unbalanced 1/4" TRS connector
Input impedance	1 M Ω
Max. input level	+3 dBu
Pre DSP return/line in	unbalanced 1/4" TRS connector
Input impedance	45 k Ω
Max. input level	+9 dBu
Post DSP insert return L/R	unbalanced 1/4" TRS connectors
Input impedance	40 k Ω
Max. input level	+8 dBu

AUDIO OUTPUTS

Pre DSP send/line out	unbalanced 1/4" TRS connector
Output impedance	<1 k Ω
Max. output level	+9 dBu
Analog line outputs L/R	unbalanced 1/4" TRS connectors
Output impedance	approx. 680 Ω
Max. output level	+20 dBu
Analog DI out	balanced XLR connector
Output impedance	100 Ω
Nom. level (S1 - S3)	+4 dBu
Nom. level (L1 and L2)	-10 dBu
Post DSP insert send L/R	unbalanced 1/4" TRS connectors
Output impedance	1 k Ω
Max. output level	+8 dBu
Headphones connector	1/4" TRS stereo connector
unbalanced	
Max. output level	+15 dBu/100 Ω (+23 dBm)

DIGITAL OUTPUTS

Type	XLR (transformer-balanced)
Output impedance	110 Ω
Nominal output level	3.5 V peak to peak
Type	RCA (transformer-unbalanced)
Output impedance	75 Ω
Nominal output level	0.5 V peak to peak (not grounded, unbalanced)
Format	AES/EBU and S/PDIF, switchable
Sample frequency	44.1 / 48 / 96 kHz internal, 44.1 - 96 kHz wordclock, sample rate converter

WORDCLOCK INPUT

Type	BNC
Input impedance	50 k Ω
Nom. input level	2 - 6 V peak to peak

MIDI INTERFACE

Type	5-pole DIN jacks IN, OUT / THRU
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SIGNAL PROCESSING

Converter	24-bit Delta-Sigma, 64/128 oversampling
Dynamics A/D	100 dB @ preamp bypass
Dynamics D/A	92 dB
Sampling rate	31.250 kHz
DSP	100 Mips
Delay time	max. 1.933 ms stereo
Runtime (line in -> line out)	approx. 5 ms

DISPLAY

Type	2-digit numeric LED
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POWER SUPPLY

Mains voltage	
U.S.A./Canada	120 V~, 60 Hz
Europe/U.K./Australia	230 V~, 50 Hz
Japan	100 V~, 50 - 60 Hz
General export model	120/230 V~, 50 - 60 Hz
Power consumption	15 W
Fuse	100 - 120 V ~: T 400 mA H 200 - 240 V ~: T 200 mA H
Mains connection	Standard IEC receptacle

DIMENSIONS/WEIGHT

Dimensions (H x W x D)	approx. 3 1/2" (89 mm) x 19" (482.6 mm) x 5 1/4" (135 mm)
Weight	approx. 2.6 kg (5 3/4 lbs)

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