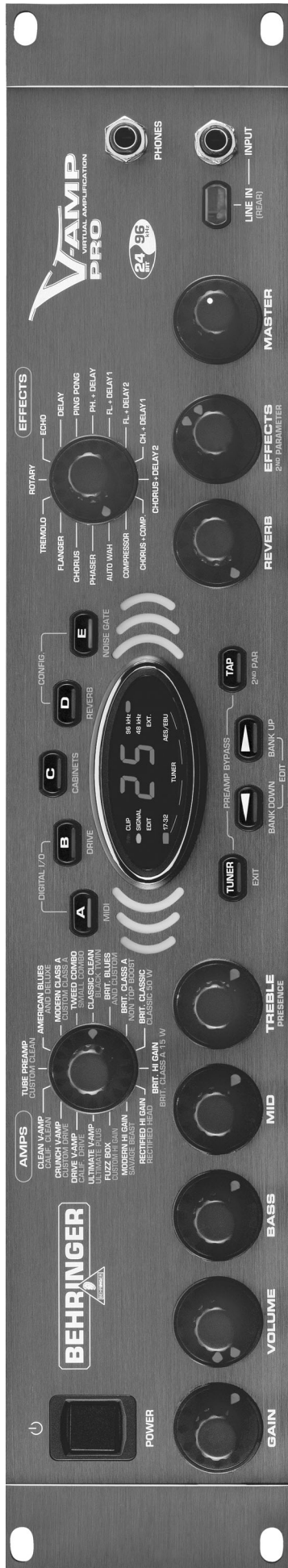


V-AMP PRO



Technical Specifications

Version 1.1 March 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

INSTRUMENT INPUT 1/4" TRS connector, unbalanced
 Input impedance 1 M Ω
 Max. input level +9 dBu

PRE DSP RETURN LINE IN 1/4" TRS connector, unbalanced
 Input impedance 20 k Ω
 Max. input level +15 dBu

POST DSP INSERT RETURN L/R 1/4" TRS connectors, unbalanced
 Input impedance 40 k Ω
 Max. input level +8 dBu

AUDIO OUTPUTS

ANALOG LINE OUTPUTS L/R 1/4" TRS connectors, unbalanced
 Output impedance approx. 680 Ω
 Max. output level +20 dBu

PRE DSP SEND/LINE OUT 1/4" TRS connector, unbalanced
 Output impedance <1 k Ω
 Max. output level +9 dBu

POST DSP INSERT SEND L/R 1/4" TRS connectors, unbalanced
 Output impedance 1 k Ω
 Max. output level +8 dBu

BALANCED LINE OUT XLR connector, balanced
 Output impedance 100 Ω
 Max. output level +14 dBu (Studio); -10 dBu (Live)

HEADPHONES CONNECTOR 1/4" TRS stereo connector, unbalanced
 Max. output level +15 dBu/100 Ω (+23 dBm)

DIGITAL OUTPUTS

Format AES/EBU and S/PDIF, switchable

Sample frequency 44.1 / 48 / 96 kHz internal, 32 - 96 kHz wordclock, sample rate converter

Type XLR (transformer-balanced)
Output impedance 110 Ω
Nominal output level 3.5 V peak-to-peak

Type RCA (not grounded, unbalanced)
Output impedance 75 Ω
Nominal output level 0.5 V peak-to-peak (not grounded, unbalanced)

WORDCLOCK INPUT

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

MIDI

Type 5-pole DIN jacks IN, OUT / THRU

DIGITAL SIGNAL PROCESSING

Converter 24-bit Delta-Sigma, 64/128 times oversampling
Dynamics A/D 104 dB @ preamp bypass
Dynamics D/A 92 dB
Sample rate 31.250 kHz
DSP 100 Mips
Delay time max. 1,933 msec. stereo
Runtime (line in -> line out) approx. 5 msec.

DISPLAY

Type 7-digit LED

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

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