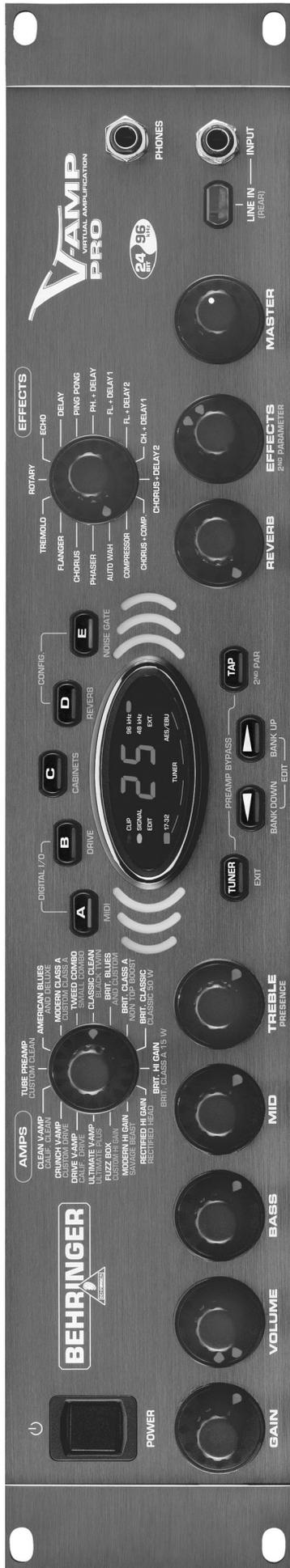


# V-AMP PRO



## Technical Specifications

Version 1.1 March 2003

ENGLISH

[www.behringer.com](http://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 $\Omega$   
 Max. input level +9 dBu

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

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

### AUDIO OUTPUTS

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

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

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

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

**HEADPHONES CONNECTOR** 1/4" TRS stereo connector, unbalanced  
 Max. output level +15 dBu/100  $\Omega$  (+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  $\Omega$   
**Nominal output level** 3.5 V peak-to-peak

**Type** RCA (not grounded, unbalanced)  
**Output impedance** 75  $\Omega$   
**Nominal output level** 0.5 V peak-to-peak (not grounded, unbalanced)

### WORDCLOCK INPUT

**Type** BNC, coax-type  
**Input impedance** 50 k $\Omega$   
**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)

BEHRINGER constantly strives to maintain the highest quality standards. Modifications may be made, if necessary, without prior notice. The specifications and appearance of the equipment may therefore differ from those listed or illustrated.

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BEHRINGER Spezielle Studiotechnik GmbH, Hanns-Martin-Schleyer-Str. 36-38, 47877 Willich-Münchheide II, Germany

Tel. +49 (0) 21 54 / 92 06-0, Fax +49 (0) 21 54 / 92 06-30

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