

# Technical Specifications

Version 1.1 March 2002



**V-AMP<sup>®</sup> 2**

**BEHRINGER**  
INSTRUMENT AMPLIFICATION

# V-AMP® 2

**Virtual guitar amplifier with tube simulation and digital multi-effects processor**

- ▲ Authentic virtual guitar preamp with 32 amp and 15 speaker simulation models
- ▲ Dedicated selectors for amp models, speaker cabinets and digital effects
- ▲ Transparent user interface with direct display of all essential settings
- ▲ 32 simulations of popular guitar amps, ranging from clean to crunch to tube distortion sounds
- ▲ 15 speaker simulations directly selectable and freely combinable with any amp model
- ▲ 24-bit high-resolution stereo multi-effects processor with first-class algorithms like chorus, flanging, phasing, rotary, auto-wah, echo, delay, compressor and various effects combinations
- ▲ Additional effects parameters now directly accessible on the unit
- ▲ New preamp bypass function allows use as a stereo effects unit without amp model
- ▲ 125 presets, including 50 original artist presets, organized in 25 banks for easy editing
- ▲ Dedicated reverb control adds 1 of 9 stereo reverb types to any amp, speaker or effects setting
- ▲ Separate wah-wah effect can be controlled manually or via MIDI and is available in addition to any other effects combination
- ▲ Effective 3-band EQ with amp model dependent characteristics
- ▲ New presence control adjusts a high-frequency filter, simulating the negative feedback of tube amps
- ▲ Extremely low-noise—S/N ratio now 90 dB
- ▲ Adjustable stereo aux input for line-level signals (CD, drum box, sound card, MIDI backing etc.)
- ▲ Stereo line output with virtual speaker simulation for recording and live applications
- ▲ Five new, practical configuration modes for various studio and live applications, some with additional global 3-band EQ
- ▲ Master volume control and stereo headphones output
- ▲ Extensive MIDI implementation allows complete real-time remote control and automation, data transfer and access to additional parameters
- ▲ Built-in auto-chromatic tuner
- ▲ Tap-tempo function allows real-time adjustment of effects speed parameter
- ▲ Professional noise reduction system on board
- ▲ Gig bag and dual footswitch for preset selection and tuner control included
- ▲ The V-AMP is protected by US patents No. D444,169 and D444,493
- ▲ Manufactured under ISO9000 certified management system

## SPECIFICATIONS

### AUDIO INPUTS

Guitar input	1/4" mono phone jack, unbalanced
Input impedance	approx. 1 M $\Omega$
Aux inputs	1/4" stereo connector, balanced
Input impedance	approx. 50 k $\Omega$

### AUDIO OUTPUTS

Line outputs	1/4" stereo connector, balanced
Output impedance	approx. 2 k $\Omega$
S/N ratio	90 dB @ preamp bypass
Headphones	1/4" stereo phone jack

### MIDI INTERFACE

Type	5-pos. DIN jacks IN / OUT
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### DIGITAL PROCESSING

Converters	24-Bit Delta-Sigma, 64/128 oversampling
Sampling rate	31.250 kHz
DSP	100 Mips
Delay time	max. 1,933 ms

### DISPLAY

Type	2-digit numeric LED
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### POWER SUPPLY

Power consumption	13 W
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### DIMENSIONS/WEIGHT

Dimensions (H x W x D)	approx. 2 1/2" (63 mm) x 9 1/4" (236 mm) x 7 1/8" (180 mm)
Weight	approx. 1.2 kg

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BEHRINGER Spezielle Studiotechnik GmbH, Hanns-Martin-Schleyer-Str. 36-38, 47877 Willich-Müncheheide II, Germany  
Tel. +49 (0) 21 54 / 92 06-0, Fax +49 (0) 21 54 / 92 06-30

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