Technical Specifications

Version 1.1   March 2002
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 MΩ
Aux inputs 1/4" stereo connector, balanced
Input impedance approx. 50 kΩ

AUDIO OUTPUTS
Line outputs 1/4" stereo connector, balanced
Output impedance approx. 2 kΩ
S/N ratio 90 dB @ preamp bypass
Headphones 1/4" stereo phone jack

MIDI INTERFACE
Type 5-pos. DIN jacks IN / OUT

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

POWER SUPPLY
Power consumption 13 W

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

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.