

BASS V-AMP / BASS V-AMP PRO

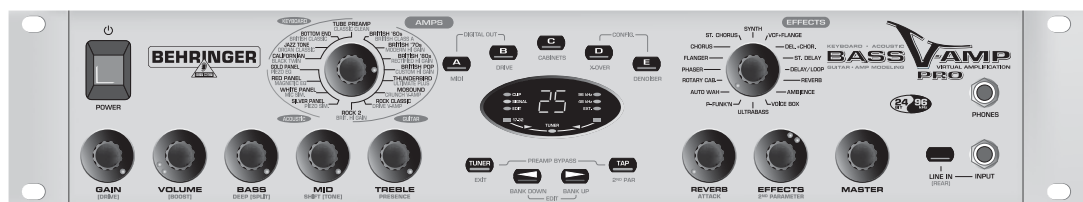
ENGLISH

Technical Specifications

Version 1.0 February 2003



BASS V-AMP



BASS V-AMP PRO

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The Ultimate Tone Toolbox for Bass, Acoustic/Electric Guitar and Keyboard Amp Modeling

- ▲ 32 unsurpassed authentic amp models: 16 classic bass amps, 8 of the best V-AMP amp models, 4 typical keyboard amps and 4 acoustic models
- ▲ 23 renowned cabinet simulations: from traditional to contemporary sounds with original character—from 1 x 8" to 8 x 10", all the way to 18" speakers
- ▲ 16 absolutely first-class effects, e.g. Ultrabass, 3-Voice Synth, Delay/Loop Sampler, Chorus, Flanger, Rotary Speaker, Voice Box, Wah Wah as well as various combinations—may be used without amp simulation as well!
- ▲ 4 renowned distortion and overdrive stomp boxes with adjustable DRIVE, TONE, BOOST and SPLIT functions
- ▲ 125 outstanding presets in 25 banks, easily editable and storable
- ▲ Independent compressor and efficient denoiser
- ▲ Integrated, auto-chromatic tuner (can be calibrated) for easy tuning of bass guitars and other electronic instruments
- ▲ Extensive MIDI implementation for control/automation of all MIDI functions
- ▲ BASS V-AMP: Adjustable stereo aux input for mixing line-level signals (e.g. CD player, sound card etc.)
- ▲ BASS V-AMP: Gig bag and footswitch (for switching presets and activating the tuner) included
- ▲ BASS V-AMP PRO: AES/EBU and S/PDIF outputs and adjustable wordclock input for synchronization with 24-bit and 32 - 96 kHz
- ▲ BASS V-AMP PRO: Balanced stereo XLR DI output with ground/lift switch and ULTRA-G speaker simulation
- ▲ BASS V-AMP PRO: Pre DSP and post DSP effects loops for connecting external effects processors
- ▲ Extremely rugged construction guarantees outstanding dependability, even under harsh conditions
- ▲ Manufactured under ISO9000 certified management system

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SPECIFICATIONS

	BASS V-AMP	BASS V-AMP PRO
AUDIO INPUTS		
INSTRUMENT INPUT	1/4" TS connector, unbalanced	
Input impedance	1 M Ω	
Max. input level	+3 dBu	
AUX IN	1/4" TRS connector, balanced	-
Input impedance	50 k Ω	-
PRE DSP RETURN LINE IN	-	1/4" TS connector, unbalanced
Input impedance	-	45 k Ω
Max. input level	-	+9 dBu
POST DSP INSERT RETURN L/R	-	1/4" TS connector, unbalanced
Input impedance	-	40 k Ω
Max. input level	-	+8 dBu
AUDIO OUTPUTS		
ANALOG LINE OUTPUTS L/R	1/4" TS connectors, unbalanced	
Output impedance	approx. 680 Ω	
Max. output level	+20 dBu	
PRE DSP SEND/LINE OUT	-	1/4" TS connector, unbalanced
Output impedance	-	<1 k Ω
Max. output level	-	+9 dBu
POST DSP INSERT SEND L/R	-	1/4" TS connectors, unbalanced
Output impedance	-	1 k Ω
Max. output level	-	+8 dBu
BALANCED LINE OUT	-	XLR, balanced
Output impedance	-	100 Ω
Max. output level	-	+14 dBu (studio); 0 dBu (live)
HEADPHONES	1/4" TRS connector, unbalanced	
Max. output level	+15 dBu/100 Ω (+23 dBm)	
DIGITAL OUTPUTS		
XLR	-	transformer-balanced
Output impedance	-	110 Ω
Nom. output level	-	3,5 V peak-to-peak
RCA	-	not grounded, unbalanced
Output impedance	-	75 Ω
Nom. output level	-	0,5 V peak-to-peak
Format	-	AES/EBU bzw. S/PDIF, selectable
Sample rate	-	44,1/48/96 kHz internal; 32 - 96 kHz wordclock, sample rate converter
WORDCLOCK INPUT		
BNC	-	coaxial
Input impedance	-	50 k Ω
Nom. input level	-	2 - 6 V peak-to-peak
MIDI		
Type	5-pole DIN jacks IN, OUT/THRU	

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DIGITAL SIGNAL PROCESSING		
Converter	24-bit Delta-Sigma, 64/128-times oversampling	
Dynamics A/D	100 dB @ preamp bypass	
Dynamics D/A	92 dB	
Sample rate	31,250 kHz	
DSP	100 Mips	
Delay time	max. 1023 ms stereo/sampler delay: 15,36 s	
Run time (Line In → Line Out)	approx. 5 ms	
DISPLAY		
Type	2-digit 7-segment-LED display	
POWER SUPPLY		
Mains voltage	USA/Canada 120 V~, 60 Hz	USA/Canada 120 V~, 60 Hz
	U.K./Australia 240 V~, 50 Hz	Europe/U.K./Australia 230 V~, 50 Hz
	Europe 230 V~, 50 Hz	Japan 100 V~, 50 - 60 Hz
	Japan 100 V~, 50 - 60 Hz	General export model 120/230 V~, 50 - 60 Hz
Power consumption	13 W	15 W
Fuse	-	100 - 120 V~: T 400 mA H
	-	200 - 240 V~: T 200 mA H
Mains connection	external power supply	Standard IEC receptacle
DIMENSIONS/WEIGHT		
Dimensions (H x B x T)	63 x 236 x 180 mm	89 x 482,6 x 135 mm
	2 1/2" x 9 1/4" x 7 1/8"	3 1/2" x 19" x 5 1/4"
Weight	approx. 1,2 kg	approx. 2,6 kg
	approx. 2 3/4 lbs	approx. 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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