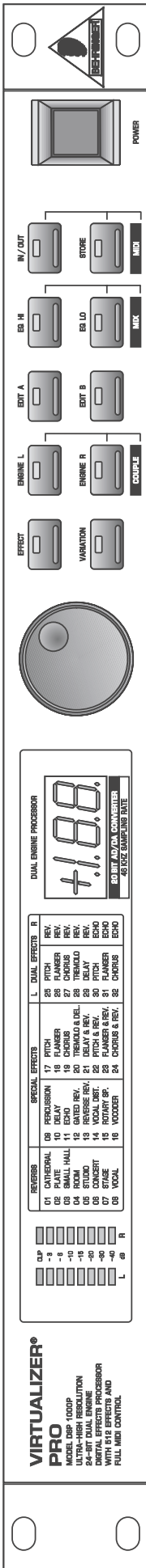


# VIRTUALIZER<sup>®</sup> PRO DSP1000P



**VIRTUALIZER<sup>®</sup> PRO**  
 MODEL DSP1000P  
 24-BIT DIGITAL FILTER  
 24-BIT DUAL ENGINE  
 DIGITAL EFFECTS PROCESSOR  
 WITH 816 EFFECTS AND  
 FULL MIX CONTROL

00 01 02 03 04 05 06 07 08 09  
 -8 -6 -4 -2 0 2 4 6 8  
 L 0 R

01 CATHEDRAL 02 PLATE 03 HALL 04 ROOM 05 STUDIO 06 CONCERT 07 SPACE 08 TUNNEL 09 REVERBS

10 DELAY 11 REVERB 12 REVERSE 13 MODAL DIST. 14 TUNING 15 VOICING 16

17 PITCH 18 FLANGER 19 CHORUS 20 DELAY & DEL. 21 DELAY & REV. 22 PITCH & REV. 23 REVERSE 24

25 PITCH 26 FLANGER 27 REVERB 28 CHORUS 29 DELAY 30 PITCH 31 REVERSE 32

DUAL ENGINE PROCESSOR  
 +18.8  
 60 BIT/DUAL CHANNELS  
 48 KHZ SAMPLE RATE

## Technical Specifications

Version 1.1 May 2000

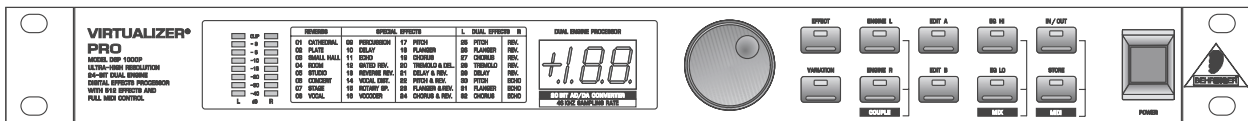
ENGLISH



www.behringer.com

# VIRTUALIZER PRO

Ultra-high performance Digital Multi-Effects Processor powered by a 24-bit high-speed Digital Signal Processor (DSP)



- ▲ “Wave Adaptive Virtual Room” reverb algorithms calculated from precise mathematical room models to give you ultra-natural reverb effects
- ▲ 32 breathtaking Reverb, Chorus, Flanger, Delay (10 sec.), Pitch Shifter, Vocoder, Rotary Speaker effects and more
- ▲ More than 700 effects variations plus two individual parameters and separate low and high EQ section
- ▲ Two digital processing engines give you independent or coupled effects on left and right channels
- ▲ True stereo processing performance allows separation of left and right channels in the stereo field for open-sounding enhancement of the sound sources
- ▲ Free VIRTUALIZER DESIGN software allows for total remote control via PC (download at [www.behringer.com](http://www.behringer.com))
- ▲ 20-bit A/D and D/A converters with 64/128 times oversampling for ultra-high headroom and resolution
- ▲ Internal 24-bit processing with professional 46 kHz sampling rate
- ▲ Servo balanced Inputs and Outputs on gold plated XLR and TRS jack connectors for high signal integrity
- ▲ 100 user preset memories to store programs for instant recall
- ▲ Accurate eight-segment LED level meters simplify level setting for optimum performance
- ▲ “Future-proof” software-upgradeable architecture
- ▲ Full MIDI capability allows real-time parameter control and program selection
- ▲ High-quality components and exceptionally rugged construction ensures long life and durability
- ▲ Internal power supply design for professional application
- ▲ Manufactured under ISO9000 certified management system

# SPECIFICATIONS

## Analog Inputs

Connectors	XLR and 1/4" jack
Type	RF filtered, servo balanced input
Impedance	60 kOhms balanced, 30 kOhms unbalanced
Nominal Operating Level	-10 dBV to +4 dBu
Max. Input Level	+16 dBu at +4 dB nominal level, +2 dBV at -10 dBV nominal level

## Analog Outputs

Connectors	XLR and 1/4" jack
Type	electronically servo-balanced output stage
Impedance	60 Ohms balanced, 30 Ohms unbalanced
Max. Output Level	+16 dBu at +4 dB nominal level, +2 dBV at -10 dBV nominal level

## System specifications

Bandwidth	20 Hz to 20 kHz, +0/-3 dB
Noise	> 94 dBu, unweighted, 20 Hz to 20 kHz
THD	0.0075 % typ. @ +4 dBu, 1 kHz, Gain 1
Crosstalk	< -76 dBu

## MIDI Interface

Type	5-Pin-DIN-Socket IN / OUT / THRU
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## Digital Processing

Converters	20-bit Sigma-Delta, 64/128-times oversampling
Sampling Rate	46.875 kHz

## Display

Type	2 ½-digit numeric LED-Display
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## Power Supply

Mains Voltages	USA/Canada	120 V ~, 60 Hz
	U.K./Australia	240 V ~, 50 Hz
	Europe	230 V ~, 50 Hz
	General export model	100 - 120 V ~, 200 - 240 V ~, 50 - 60 Hz
Fuse	100 - 120 V ~:	<b>T 125 mA H</b>
	200 - 240 V ~:	<b>T 63 mA H</b>
Power Consumption	max. 15 Watts	
Mains Connection	Standard IEC receptacle	

## Physical

Dimensions (H * W * D)	app. 1 3/4" (44.5 mm) * 19" (482.6 mm) * 7 1/2" (190.5 mm)
Net Weight	app. 2 kg
Shipping Weight	app. 3 kg

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