

VIRTUALIZER® PRO DSP2024P



Technical Specifications

Version 1.0 December 2001

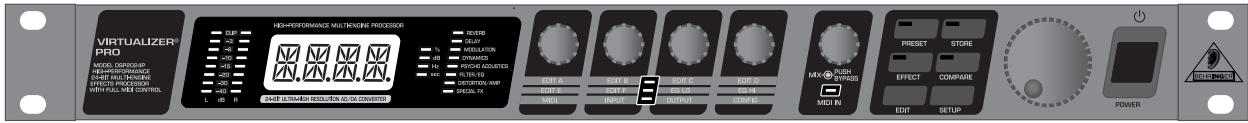
ENGLISH



www.behringer.com

VIRTUALIZER® PRO

High-Performance 24-Bit Multi-Engine Effects Processor



- ▲ 71 breathtaking new algorithms, most in true stereo
- ▲ Wave-adaptive VIRTUAL ROOM reverb algorithms for ultra-natural reverb and delay
- ▲ Awesome modulation, dynamic, psychoacoustic and EQ algorithms
- ▲ Innovative amp simulation, distortion and special effects
- ▲ 11 effect combinations with selectable serial/parallel configuration
- ▲ Up to 7 adjustable parameters plus HI and LO EQ per effect
- ▲ High-resolution 24-bit A/D and D/A converters with 64/128-times oversampling
- ▲ True stereo processing for realistic channel separation in stereo image
- ▲ 24-bit internal signal processing, professional 46 kHz sample rate
- ▲ 100 factory presets plus 100 user memory locations
- ▲ Extensive MIDI implementation
- ▲ Precise 8-segment LED level meters
- ▲ Internal power supply for professional applications
- ▲ Servo-balanced XLR and 1/4" TRS inputs and outputs
- ▲ Manufactured under ISO9000 certified management system

DSP2024P

SPECIFICATIONS

ANALOG INPUTS

Connectors	XLR and 1/4" TRS
Type	RF filtered, servo-balanced input stage
Impedance	80 k Ω balanced
Nominal Operating Level	-10 dBV or +4 dBu (selectable)
Max. Input Level	+15 dBu at +4 dBu nominal level, +1 dBV at -10 dBV nominal level

ANALOG OUTPUTS

Connectors	XLR and 1/4" TRS
Type	Electronically servo-balanced output stage
Impedance	80 Ω balanced
Max. Output Level	+15 dBu at +4 dBu nominal level, +1 dBV at -10 dBV nominal level

SYSTEM SPECIFICATIONS

Bandwidth	20 Hz to 20 kHz, +/- 3 dB
SNR	91 dB, unweighted, 20 Hz to 20 kHz
THD	0.018 % typ. @ +4 dBu, 1 kHz, 0 dBu input, gain 1
Crosstalk	< -76 dB

MIDI INTERFACE

Type	5-pin DIN-socket IN / OUT / THRU
------	----------------------------------

DIGITAL PROCESSING

Converters	24-bit Sigma-Delta, 64/128-times oversampling
Sampling Rate	46.875 kHz

DISPLAY

Type	4-digit 14 segment alpha-numeric LED-Display
------	--

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 ~: T 200 mA H	
	200 - 240 V ~: T 100 mA H	
Power Consumption	15 Watts max.	
Mains Connection	Standard IEC receptacle	

PHYSICAL

Dimensions (H x W x D)	1 3/4" (44 mm) x 19" (482,6 mm) x 8" (204,4 mm)
Net Weight	approx. 2 kg
Shipping Weight	approx. 3 kg

The information contained in this manual is subject to change without notice. No part of this manual may be reproduced or transmitted in any form or by any means, electronic or mechanical, including photocopying and recording of any kind, for any purpose, without the express written permission of BEHRINGER Spezielle Studiotechnik GmbH.

BEHRINGER, VIRTUALIZER, ULTRAMIZER and DENOISER are registered trademarks. ALL RIGHTS RESERVED.

© 2001 BEHRINGER Spezielle Studiotechnik GmbH.

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
