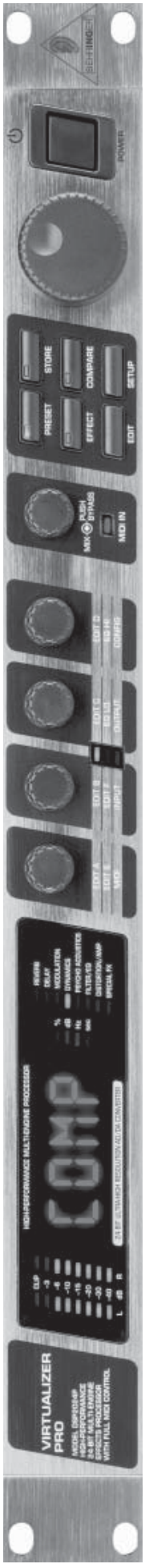
VIRTUALIZER PRO DSP2024P



ENGLISH

Technical Specifications

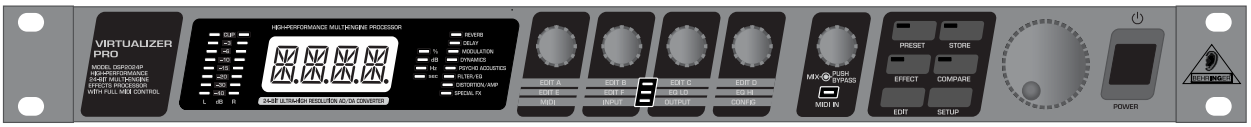
Version 1.1 January 2005

www.behringer.com

BEHRINGER®
JUST LISTEN.

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
- ▲ Conceived and designed by BEHRINGER Germany

DSP2024P

8. SPECIFICATIONS

ANALOG INPUTS

Connectors	XLR and 1/4" TRS
Type	RF filtered, servo-balanced input stage
Impedance	80 kΩ 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

Voltage	USA/Canada 120 V~, 60 Hz Europe/U.K./Australia 230 V~, 50 Hz Japan 100 V~, 50 - 60 Hz General export model 120/230 V~, 50 - 60 Hz
Fuse	100 - 120 V~: **T 200 mA H** 250 V 200 - 240 V~: **T 100 mA L** 250 V
Power Consumption	15 Watts max.
Mains Connection	Standard IEC receptacle

PHYSICAL

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

BEHRINGER is constantly striving to maintain the highest professional standards. As a result of these efforts, modifications may be made from time to time to existing products without prior notice. Specifications and appearance may differ from those listed or illustrated.

Technical specifications and appearance subject to change without notice. The information contained herein is correct at the time of printing. The names of companies, institutions or publications pictured or mentioned and their respective logos are registered trademarks of their respective owners. Their use neither constitutes a claim of the trademarks by BEHRINGER® nor affiliation of the trademark owners with BEHRINGER®. BEHRINGER® accepts no liability for any loss which may be suffered by any person who relies either wholly or in part upon any description, photograph or statement contained herein. Colours and specification may vary slightly from product. Products are sold through our authorised dealers only. Distributors and dealers are not agents of BEHRINGER® and have absolutely no authority to bind BEHRINGER® by any express or implied undertaking or representation. 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® is a registered trademark.

ALL RIGHTS RESERVED. © 2005 BEHRINGER Spezielle Studiotechnik GmbH,
Hanns-Martin-Schleyer-Str. 36-38, 47877 Willich-Münchheide II, Germany.
Tel. +49 2154 9206 0, Fax +49 2154 9206 4903