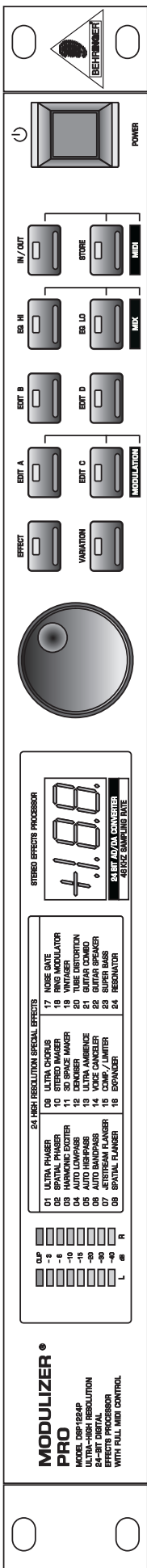


MODULIZER[®] PRO DSP1224P



MODULIZER[®] PRO
 MODEL DSP1224P
 ULTRA-HIGH RESOLUTION
 STEREO EFFECTS PROCESSOR
 WITH FULL MIX CONTROL

- | | | | | | | | |
|----|-------------------|----|-------------------|----|-------------------|-----|-----------------|
| 01 | ULTRA PHASER | 04 | AUTO BANKPASS | 07 | JETSTREAM FLANGER | 10 | SPATIAL FLANGER |
| 02 | SPATIAL PHASER | 05 | HARMONIC EXCITER | 08 | COMF./LIMITER | 11 | EXPANDER |
| 03 | HARMONIC MAKER | 06 | AUTO BANKPASS | 09 | VOICE CANCELLER | 12 | COMF./LIMITER |
| 04 | AUTO LOWPASS | 07 | JETSTREAM FLANGER | 10 | SPATIAL FLANGER | 13 | RESONATOR |
| 05 | HARMONIC EXCITER | 08 | COMF./LIMITER | 11 | EXPANDER | 14 | RESONATOR |
| 06 | AUTO BANKPASS | 09 | VOICE CANCELLER | 12 | COMF./LIMITER | 15 | RESONATOR |
| 07 | JETSTREAM FLANGER | 10 | SPATIAL FLANGER | 13 | RESONATOR | 16 | RESONATOR |
| 08 | COMF./LIMITER | 11 | EXPANDER | 14 | RESONATOR | 17 | RESONATOR |
| 09 | VOICE CANCELLER | 12 | COMF./LIMITER | 15 | RESONATOR | 18 | RESONATOR |
| 10 | SPATIAL FLANGER | 13 | RESONATOR | 16 | RESONATOR | 19 | RESONATOR |
| 11 | EXPANDER | 14 | RESONATOR | 17 | RESONATOR | 20 | RESONATOR |
| 12 | COMF./LIMITER | 15 | RESONATOR | 18 | RESONATOR | 21 | RESONATOR |
| 13 | RESONATOR | 16 | RESONATOR | 19 | RESONATOR | 22 | RESONATOR |
| 14 | RESONATOR | 17 | RESONATOR | 20 | RESONATOR | 23 | RESONATOR |
| 15 | RESONATOR | 18 | RESONATOR | 21 | RESONATOR | 24 | RESONATOR |
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| 89 | RESONATOR | 92 | RESONATOR | 95 | RESONATOR | 98 | RESONATOR |
| 90 | RESONATOR | 93 | RESONATOR | 96 | RESONATOR | 99 | RESONATOR |
| 91 | RESONATOR | 94 | RESONATOR | 97 | RESONATOR | 100 | RESONATOR |

Technical Specifications

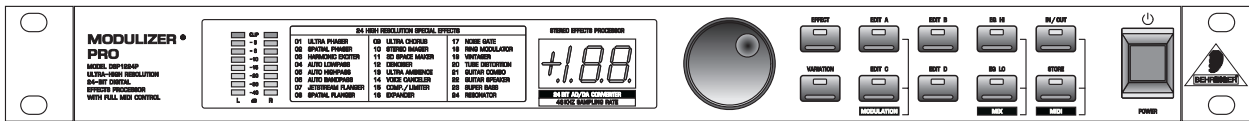
Version 1.0 March 2001

ENGLISH



MODULIZER PRO

Ultra-high performance digital multi-effects processor powered by a 24-bit high-speed digital signal processor (DSP)



- ▲ Cutting edge effects such as 3D Processor, Stereo Imager, Lo-Fi, Super Bass, Ring Modulator, Voice Canceler etc.
- ▲ 24 breathtaking effects such as Ultra Phaser, Harmonic Exciter, Auto Filter, Jetstream Flanger, Ultra Compressor, Guitar Combo, Speaker Emulation Resonator and more
- ▲ Hundreds of effect variations plus two individual parameters and separate low and high EQ section
- ▲ True stereo processing performance allows separation of left and right channels in the stereo field for open-sounding enhancement of the sound sources
- ▲ Free MODULIZER design software allows for total remote control via PC (download at www.behringer.com)
- ▲ 24-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 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 the ISO9000 certified management system

SPECIFICATIONS

Analog Inputs

Connectors	XLR and 1/4" TRS connector
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" TRS connector
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	24-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 ~: T 125 mA H 200 - 240 V ~: T 63 mA H	
Power Consumption	max. 15 Watts	
Mains Connection	Standard IEC receptacle	

Physical

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

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