ULTRAMIZER PRO DSP1424P

Technical Specifications

ENGLISH

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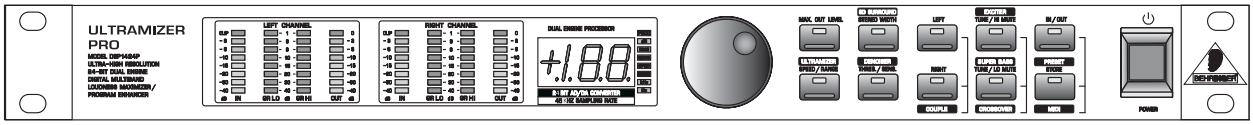
ULTRAMIZER PRO DSP1424P

Ultra high-performance digital multiband loudness maximizer / sound program enhancer powered by a 24-bit DSP



- ▲ Doubles the loudness of your recordings and sound reinforcement systems without any distortion
- ▲ Ultimate mastering machine maximizes signal energy with absolutely “inaudible” and transparent compression
- ▲ Variable band-split compression eliminates virtually any gain intermodulation effects, such as “bass pumping” etc.
- ▲ “Intelligent” digital limiter protects against any clipping and dangerous sound pressure levels
- ▲ Built-in denoiser and exciter for noise-free and ultra transparent sound
- ▲ 3D stereo surround processor provides unbelievable spatial enhancement and improved stereo imaging
- ▲ Super bass enhancer psycho-acoustically creates an incredible bass sound below your loudspeaker’s frequency range
- ▲ Incorporated leveler for constant average output level while retaining the instantaneous dynamics
- ▲ Free ULTRAMIZER software allows 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
- ▲ 50 programmable user presets for instant recall
- ▲ Accurate eight-segment LED level and gain reduction meters 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
- ▲ Manufactured under ISO9000 certified management system

SPECIFICATIONS

Analog inputs		
Connectors	XLR and 1/4" TRS	
Type	RF filtered, servo balanced input	
Impedance	60 kΩ balanced, 30 kΩ unbalanced	
Nominal operating level	-10 dBV to +4 dBu (switchable)	
Max. input level	+16 dBu at +4 dBu nominal level, +2 dBV at -10 dBV nominal level	
Analog outputs		
Connectors	XLR and 1/4" TRS	
Type	Electronically servo-balanced output stage	
Impedance	60 Ω balanced, 30 Ω unbalanced	
Max. output level	+16 dBu at +4 dBu nominal level, +2 dBV at -10 dBV nominal level	
System specifications		
Frequency response	20 Hz to 20 kHz, +/- 3 dB	
Noise	> 94 dB, unweighted, 20 Hz to 20 kHz	
THD	0.0075 % typ. @ +4 dBu, 1 kHz, 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	2 ½-digit 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 250 mA H**	
	200 - 240 V ~: **T 125 mA H**	
Power consumption	10 Watts	
Mains connection	Standard IEC receptacle	
Physical		
Dimensions (H x W x D)	1 3/4" (44.5 mm) x 19" (482.6 mm) x 7 1/2" (190.5 mm)	
Net weight	approx. 2 kg	
Shipping weight	approx. 3 kg	

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