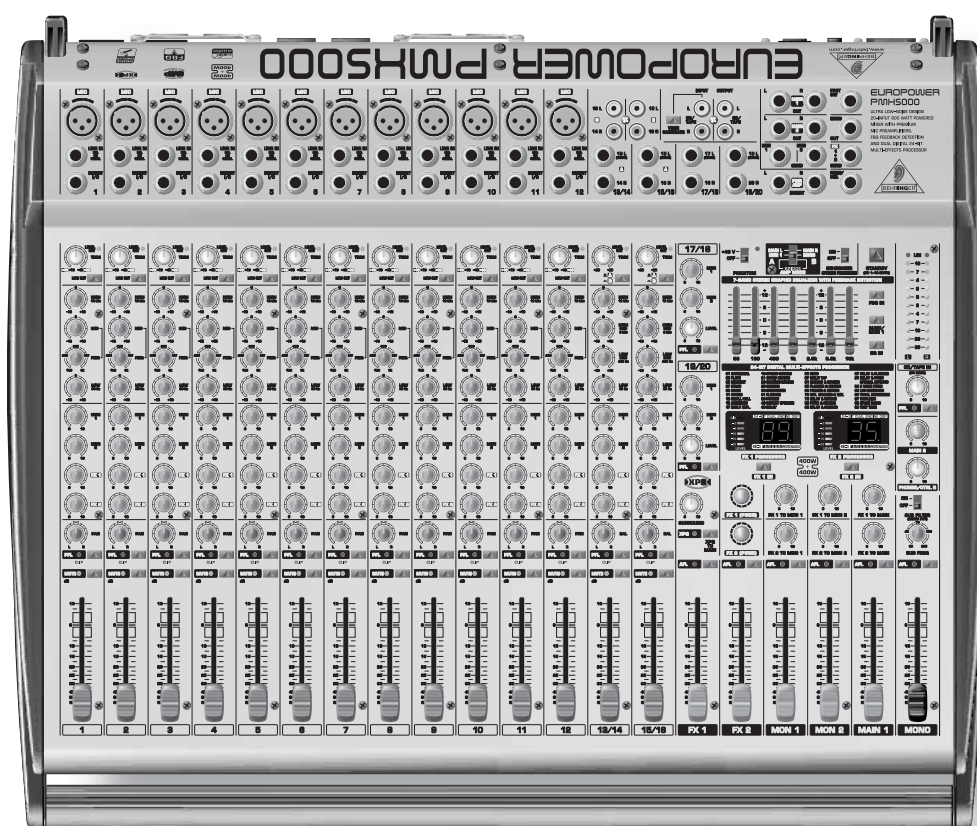


EUROPOWER PMH5000

Technical Specifications

Version 1.3 November 2004

ENGLISH



www.behringer.com



EUROPOWER PMH5000

EUROPOWER

Ultra-Compact 2 x 400-Watt 20-Channel Powered Mixer with Dual 24-Bit Multi-FX Processor and FBQ Feedback Detection System

- ▲ Super-compact 2 x 400-Watt stereo powered mixer
- ▲ Revolutionary and patented COOLAUDIO Amplifier Technology: Enormous power, incredible sonic performance and super-light weight
- ▲ Ultra-compact dimensions at nearly half the weight of conventional powered mixers means no more lugging around dead weight
- ▲ 20-channel mixer section comprised of 12 mono and 4 stereo channels plus separate tape returns
- ▲ 2 independent 24-bit stereo FX processors with 99 outstanding VIRTUALIZER presets including reverb, delay, chorus, flanger and more
- ▲ Revolutionary FBQ Feedback Detection System instantly reveals critical frequencies for easy feedback removal
- ▲ 12 high-quality IMP "Invisible" Mic Preamps with switchable +48 V phantom power for condenser microphones
- ▲ Effective, extremely musical 3-band EQ, switchable low cut filter and clip LEDs on all mono channels
- ▲ Stereo 7-band graphic EQ allows precise frequency correction of monitor or main outputs
- ▲ Voice Canceller function removes singer's voice from recordings for Karaoke applications
- ▲ Selectable stereo (main L/R), double mono (main/monitor) or bridged mono amplifier operation mode
- ▲ Speaker Processing function adjusts frequency response to match professional speaker systems like BEHRINGER EUROLIVE series etc.
- ▲ Standby switch mutes all mic input channels during breaks while background music is provided via tape inputs
- ▲ Breathtaking XPQ 3D stereo surround effect for more vitality and enhanced stereo image
- ▲ Adjustable stereo CD/tape input for connecting external line sources
- ▲ Multi-functional stereo preamp outputs for added flexibility
- ▲ Internal switch-mode power supply for maximum flexibility (100 - 240 V~), noise-free audio, superior transient response and lowest possible power consumption
- ▲ Extremely rugged construction ensures long life even under the most demanding conditions
- ▲ Conceived and designed by BEHRINGER Germany

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SPECIFICATIONS

PMH5000	
MICROPHONE INPUTS	
Type	XLR, electronically balanced, discrete input circuit
Mic E.I.N. (20 Hz - 20 kHz)	
@ 0 Ω source resistance	-134 dB / 136 dB A-weighted
@ 50 Ω source resistance	-131.5 dB / 134 dB A-weighted
@ 150 Ω source resistance	-129 dB / 131 dB A-weighted
Frequency response	< 10 Hz - 155 kHz (-1 dB) < 10 Hz - > 200 kHz (-3 dB)
Gain	+10 dB, +60 dB
Max. input level	+12 dBu @ +10 dB gain
Impedance	approx. 2.6 k Ω balanced / 1.3 k Ω unbalanced
Signal-to-noise ratio	109 dB / 112 dB A-weighted (0 dBu IN @ +10 dB gain)
Distortion (THD+N)	0.002% / 0.0018% A-weighted
MONO LINE INPUTS	
Type	1/4" TS connectors, balanced
Impedance	approx. 20 k Ω
Max. input level	+21 dBu
STEREO LINE INPUTS	
Type	1/4" TRS connectors, unbalanced
Impedance	> 3.6 k Ω
Max. input level	+22 dBu
EQUALIZER	
Low	80 Hz / \pm 15 dB
Mid	100 Hz - 8 kHz / \pm 15 dB
High	12 kHz / \pm 15 dB
CD/TAPE INPUT	
Type	RCA
Impedance	approx. 3.6 k Ω , balanced
Max. input level	+21 dBu
PRE AMP OUTPUTS	
MAIN	
Type	1/4" TRS connectors, unbalanced
Impedance	approx. 150 Ω , unbalanced
Max. output level	+21 dBu
MONITOR	
Type	1/4" TRS connectors, unbalanced
Impedance	approx. 150 Ω , unbalanced
Max. output level	+21 dBu
STEREO OUTPUTS	
Type	1/4" TRS connectors, unbalanced
Impedance	approx. 150 Ω , unbalanced
Max. output level	+21 dBu
Type	RCA
Impedance	approx. 1 k Ω
Max. output level	+21 dBu
MAIN MIX SYSTEM DATA	
Noise	
MAIN MIX @ - ∞	-96 dB/-100 dB A-weighted
Channel fader - ∞	
MAIN MIX @ 0 dB	-86 dB/-89 dB A-weighted
Channel fader - ∞	
MAIN MIX @ 0 dB	-83 dB/-85 dB A-weighted
Channel fader @ 0 dB	

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LOUDSPEAKER OUTPUTS	
Type	Compatible to NEUTRIK® SPEAKON®
Load impedance	
MAIN L/R	4 - 8 Ω
MONITOR/MAIN MONO	4 - 8 Ω
MAIN MONO/MAIN MONO	4 - 8 Ω
BRIDGE	8 - 16 Ω
DSP	
Converter	24-Bit Delta-Sigma, 64/128-times oversampling
Dynamics D/A	90 dB
Sampling rate	46.875 kHz
Delay Time	max. 5 s
Signal run time (Line In → Line Out)	approx. 1.5 ms
DISPLAY	
Type	2 dual 7-segment LED
AMPLIFIER	
	Power amp output
Power @ 4 Ω	2 x 400 W
POWER SUPPLY	
Mains voltage	100 - 240 V~, 50 / 60 Hz
Power consumption	700 W
Fuse	T 6.3 A H 250 V
Mains connector	Standard IEC receptacle
PHYSICAL/WEIGHT	
Dimensions (H x W x D)	4 7/8" x 23 1/2" x 19 1/2"
	122 x 596 x 496 mm
Weight	28.665 lb.
	13.3 kg

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