

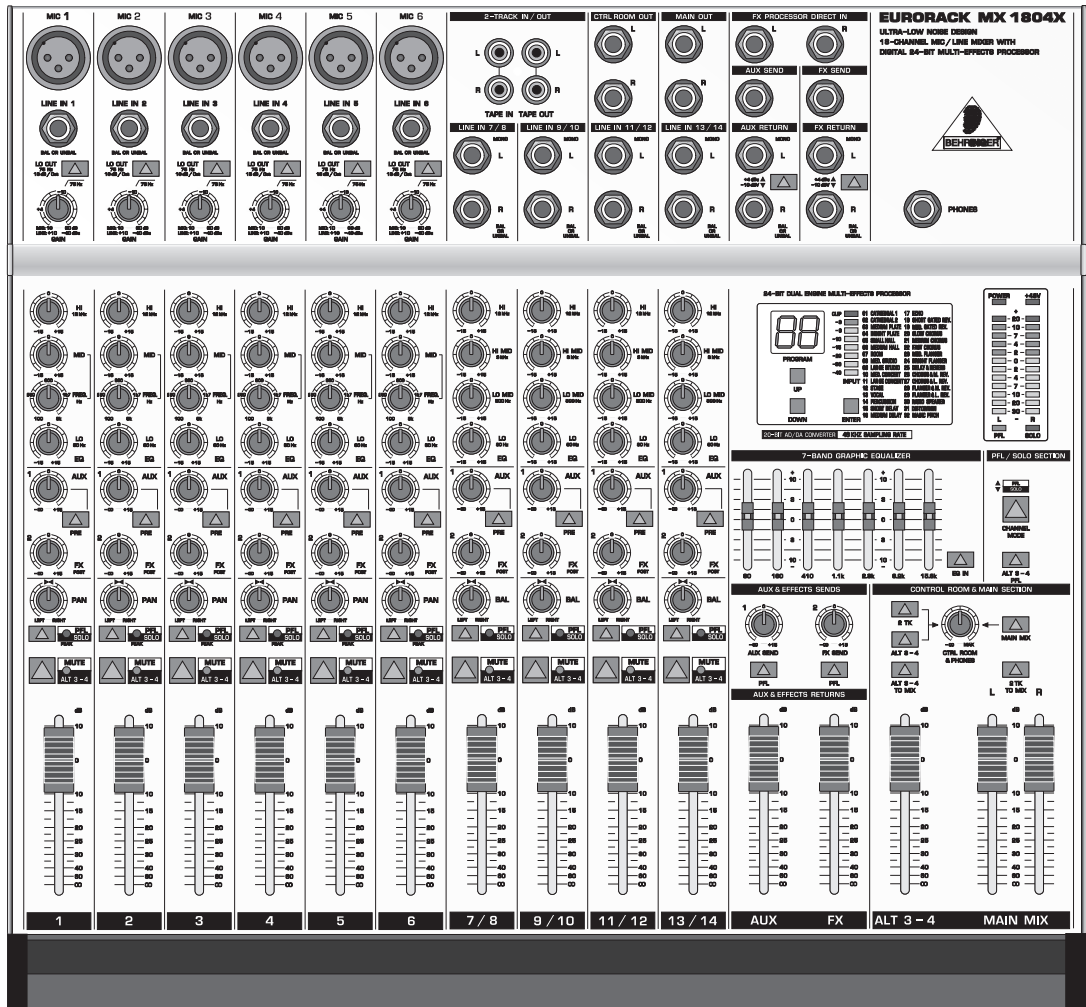
MX1804X

EUROSTACK®

Technical Specifications

Version 1.1 May 2000

ENGLISH

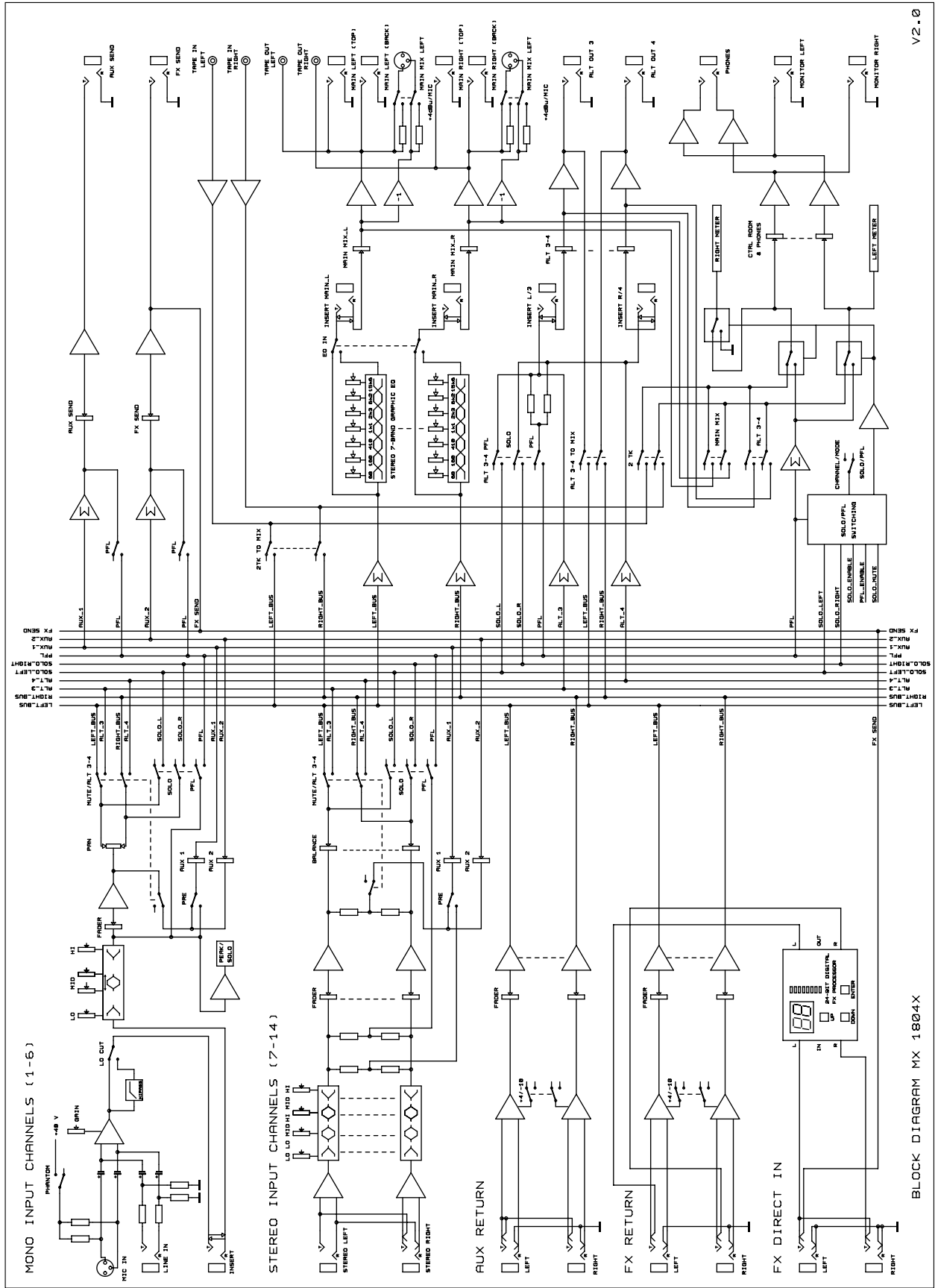


MX1804X

Ultra-low noise 18-Channel 4-Bus Mixer with integrated VIRTUALIZER Multi-Effects Processor

- ▲ 6 Mono Input Channels with gold plated XLRs, balanced Line Inputs and Inserts
- ▲ Ultra-low noise discrete Mic Preamps with +48 V Phantom Power
- ▲ 4 Stereo Input Channels with balanced TRS Jacks
- ▲ 2 additional multi-functional Stereo Channels with 60 mm faders
- ▲ 24-bit Stereo Multi-Effects Processor with ultra-high resolution 24-bit AD/DA converters, for internal AND external use
- ▲ 32 original VIRTUALIZER Presets including 16 different Reverbs, Delays, Chorus, Flanger, Pitch Shifter, Speaker Simulation and various combinations
- ▲ Switchable 7-band Graphic Equalizer for ultimate Main Mix equalization
- ▲ ALT 3-4 bus routable to Main Mix and Control Room with Insert, PFL and 60 mm Masterfader
- ▲ Extremely high headroom – offering more dynamic range
- ▲ Balanced Inputs and Main Outputs for highest signal integrity
- ▲ Ultra-musical 4-band EQ (Stereo Channels) and 3-band EQ with sweepable mid band (Mono Channels)
- ▲ Peak LEDs and switchable Low-Cut Filter on all Mono Channels
- ▲ 2 Aux Sends (Aux 1 pre/post) per channel, for internal or external effects and monitoring
- ▲ Master Aux Sends with Gain Control and PFL
- ▲ Mute/ALT 3-4, Solo-In-Place and Pre-Fader-Listen function on all channels
- ▲ Separate Main Mix, ALT 3-4, Control Room and Headphone Outputs
- ▲ 2-Track Inputs assignable to Main Mix or Control Room/Headphone Outputs
- ▲ Highly accurate 12-segment Bargraph Meters
- ▲ High quality 60 mm faders and sealed potentiometers
- ▲ Rugged design Power Supply ensures superior transient response
- ▲ State-of-the-art 4580 ICs and high quality components ensure crystal-clear audio performance
- ▲ Extremely rugged construction ensures long life even under the most demanding conditions
- ▲ Manufactured under ISO9000 certified management system

BLOCK DIAGRAM



V2-0

BLOCK DIAGRAM MX 1804X

SPECIFICATIONS

Mono input channels

Mic input	electronically balanced, discrete input configuration
Frequency response	10 Hz to 60 kHz +/- 3 dB
Distortion (THD&N)	0.007 % at +4 dBu, 1 kHz, bandwidth 80 kHz
Gain range	+10 dB to +60 dB
Max. input	+12 dBu
Mic E.I.N. (22 Hz - 22 kHz)	-129.5 dBu, 150 Ohm source, -117.3 dBqp, 150 Ohm source, -132.0 dBu, input shorted, -122.0 dBqp, input shorted.

Line input	electronically balanced
Frequency response	10 Hz to 60 kHz +/- 3 dB
Distortion (THD&N)	0.007 % at +4 dBu, 1 kHz, bandwidth 80 kHz
Channel fader range	+10 dBu to -60 dBu
Max. input	+22 dBu

EQ

Low	80 Hz, +/- 15 dB
Mid	100 Hz to 8 kHz, +/- 15 dB
High	12 kHz, +/- 15 dB
Lo Cut filter	-3 dB at 75 Hz, 18 dB/oct.

Stereo input channels

Line input	electronically balanced
Frequency response	10 Hz to 60 kHz +/- 3 dB
Distortion (THD&N)	0.007 % at +4 dBu, 1 kHz, bandwidth 80 kHz
Channel fader range	+10 dBu to -60 dBu
Max. input	+22 dBu

EQ

Low	80 Hz, +/- 15 dB
Lo mid	500 Hz, +/- 15 dB
Hi mid	3 kHz, +/- 15 dB
High	12 kHz, +/- 15 dB

Main Mix

Max. output	+28 dBu balanced on XLR, +22 dBu unbalanced on jack
Aux Send max. output	+22 dBu unbalanced
Control Room output	+22 dBu unbalanced
Noise	-112 dB (all channels open, at unity gain)

Digital Effects Processor

Converter	24-bit sigma-delta, 64/128-times oversampling
Sample rate	46.875 kHz

Graphik Equalizer

Frequencies	60 Hz, 160 Hz, 410 Hz, 1.1 kHz, 2.3 kHz, 6.2 kHz und 15.6 kHz
Max. boost/cut	+/- 10 dB

Power Supply

Mains voltage	USA/Canada	115 V ~, 60 Hz, Power Supply MXUL1
	U.K./Australia	240 V ~, 50 Hz, Power Supply MXUK1
	Europe	230 V ~, 50 Hz, Power Supply MXEU1
	Japan	100 V ~, 60 Hz, Power Supply MXJP1

Dimensions/Weight

Dimensions (H * W * D)	approx. 1.58" / 3.54" (40 / 90 mm) * 16.14" (410 mm) * 15.16" (385 mm)
Weight	approx. 6.0 kg (without power supply)

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