

EUROTRACK UB1002FX

Technical Specifications

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ENGLISH



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EURORACK

Ultra Low-Noise Design 10-Input 2-Bus Mic/Line Mixer with Premium Mic Preamplifiers and 24-Bit Multi-FX Processor

- ▲ Ultra low-noise ULN design, highest possible headroom, ultra-transparent audio
- ▲ 2 new state-of-the-art, studio-grade IMP “Invisible” Mic Preamps with:
 - 130 dB dynamic range for 24-bit, 192 kHz sampling rate inputs
 - Ultra-wide 60 dB gain range
 - Lowest possible distortion 0.0007% (20 Hz - 20 kHz)
- ▲ Integrated 24-bit digital stereo FX processor with 100 awesome presets including reverb, chorus, flanger, delay, pitch shifter and various multi-effects
- ▲ Effective, ultra-musical 3-band EQ plus switchable low-cut filter on all mono channels
- ▲ State-of-the-art 4580 operational amplifiers provide lowest noise and distortion—better than 4560 op amps
- ▲ Clip LEDs on all mono channels
- ▲ 10 balanced high-headroom line inputs with +4/-10 level selection on all stereo channels
- ▲ FX send control per channel for internal FX processor and/or as external send
- ▲ Main mix outputs plus separate control room, phones and stereo CD/tape outputs
- ▲ CD/tape inputs assignable to main mix or control room/phones outputs
- ▲ Switchable +48 V phantom power for condenser microphones
- ▲ Long-wearing 60-mm logarithmic-taper Alps® fader and sealed rotary controls
- ▲ External power supply for noise-free audio and superior transient response
- ▲ High-quality components and exceptionally rugged construction ensure long life
- ▲ Conceived and designed by BEHRINGER Germany

UB1002FX

SPECIFICATIONS

Mono inputs

Microphone inputs (IMP "Invisible" Mic Preamp)

Type XLR, electronically balanced, discrete input circuit

Mic E.I.N. (20 Hz - 20 kHz)
 @ 0 Ω source resistance -132.7 dB / 137 dB A-weighted
 @ 50 Ω source resistance -130 dB / 133.9 dB A-weighted
 @ 150 Ω source resistance -127.1 dB / 130.9 dB A-weighted

Frequency response <10 Hz - 200 kHz (-1 dB)

Gain range +10 to +60 dB
 Max. input level +12 dBu @ +10 dB gain
 Impedance approx. 2.6 k Ω balanced
 Signal-to-noise ratio -107 dB / -111 dB A-weighted (0 dBu In @ +22 dB gain)

Distortion (THD+N) 0.005% / 0.003% A-weighted

Line input

Type 1/4" TRS connector electronically balanced
 Impedance approx. 20 k Ω balanced
 10 k Ω unbalanced

Gain range -10 to +40 dB
 Max. input level +20 dBu @ 0 dB Gain

Fade-out attenuation¹ (Crosstalk attenuation)

Main fader closed 85 dB
 Channel fader closed 88 dB

Frequency response

Microphone input to main out
 <10 Hz - 80 kHz +0 dB / -1 dB
 <10 Hz - 137 kHz +0 dB / -3 dB

Stereo inputs

Type 1/4" TRS connector, electronically balanced
 Impedance approx. 20 k Ω bal. / 10k Ω unbal. (+4 dBu operating level)
 approx. 20 k Ω bal. / 5k Ω unbal. (-10 dBV)
 Max. input level +22 dBu

EQ mono channels

Low 80 Hz / ± 15 dB
 Mid 2.5 kHz / ± 15 dB
 High 12 kHz / ± 15 dB

AUDIO OUTPUTS

FX send

Type 1/4" TRS connector, unbalanced
 Impedance approx. 120 Ω
 Max. output level +22 dBu

Main outputs

Type 1/4" TRS connector, unbalanced
 Impedance approx. 120 Ω
 Max. output level +22 dBu

Control room outputs

Type 1/4" TRS connector, unbalanced
 Impedance approx. 120 Ω
 Max. output level +22 dBu

Headphones output

Type 1/4" TRS connector, unbalanced
 Max. output level +19 dBu / 150 Ω (+25 dBm)

Main mix system data²

Noise
 Main mix @ - ∞ ,
 Channel fader - ∞ -105 dB / -108 dB A-weighted
 Main mix @ 0 dB,
 Channel fader - ∞ -94 dB / -97 dB A-weighted
 Main Mix @ 0 dB,
 Channel fader @ 0 dB -83 dB / -85 dB A-weighted

FX section

Converter 24-Bit Sigma-Delta
 Sampling rate 40 kHz

Power supply

Power consumption 16 W

Mains voltage

USA/Canada 120 V~, 60 Hz, MXUL6 adapter
 U.K./Australia 240 V~, 50 Hz, MXUK6 adapter
 Europe 230 V~, 50 Hz, MXEU6 adapter
 China 220 V~, 50 Hz, MXCN6 adapter
 Japan 100 V~, 60 Hz, MXJP6 adapter

Dimensions

Dimensions (H x W x D) 1 5/6" / 1 1/2" x 7 2/5" x 8 2/3"
 (47 mm / 37 mm x 189 mm x 220 mm)

Weight (net) approx. 2.31 lbs (1.05 kg)

Measuring conditions:

- 1 kHz rel. to 0 dBu; 20 Hz - 20 kHz; line input; main output; unity gain.
- 20 Hz - 20kHz; measured at main output. Channels 1 - 4 unity gain; EQ flat; all channels on main mix; channels 1/3 as far left as possible, channels 2/4 as far right as possible. Reference = +6 dBu.

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