



## Technical Specifications



# EURORACK UB1002FX

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

# EURORACK UB1002FX

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

- Ultra-low noise design, highest possible headroom, ultra-transparent audio
- 2 state-of-the-art, studio-grade IMP "Invisible" Mic Preamps with 130 dB dynamic range for 24-bit, 192 kHz sampling rate inputs
- Integrated 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
- 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, headphone and 2-track outputs
- 2-track inputs assignable to main mix or control room/headphone outputs
- Switchable +48 V phantom power for condenser microphones
- 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

## Specifications

### Microphone inputs (IMP Invisible Mic Preamp)

Type	XLR, electronically balanced, discrete input circuit
<b>Mic E.I.N. (20 Hz - 20 kHz)</b>	
@ 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 kΩ 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	¼" TRS connector electronically balanced
Impedance	approx. 20 kΩ balanced 10 kΩ unbalanced
Gain range	-10 to +40 dB
Max. input level	+20 dBu @ 0 dB Gain

### Fade-out attenuation<sup>1</sup> (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	¼" TRS connector, electronically balanced
Impedance	approx. 20 kΩ bal. / 10 kΩ unbal. (+4 dBu operating level) approx. 20 kΩ bal. / 5 kΩ unbal. (-10 dBV)
Max. input level	+22 dBu

**Audio Outputs****FX Send**

Type	¼" TRS connector, unbalanced
Impedance	approx. 120 Ω
Max. output level	+22 dBu

**Main Outputs**

Type	¼" TRS connector, unbalanced
Impedance	approx. 120 Ω
Max. output level	+22 dBu

**Control Room Outputs**

Type	¼" TRS connector, unbalanced
Impedance	approx. 120 Ω
Max. output level	+22 dBu

**Headphones output**

Type	¼" TRS connector, unbalanced
Max. output level	+19 dBu / 150 Ω (+25 dBm)

**Main Mix System Data<sup>2</sup>****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**

UB1002FX:	16 W
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**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 adapte

**Physical/Weight**

Dimensions (H x W x D)	approx. 1 5/8 x 7 2/5 x 8 2/3" approx. 47 x 189 x 220 mm
Weight (Net)	approx. 4.5 lbs / 2.06 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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