



Technical Specifications



EURORACK UB1002

Ultra-Low Noise Design 10-Input 2-Bus Mic/Line Mixer

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Ultra-Low Noise Design 10-Input 2-Bus Mic/Line Mixer

- 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
- Effective, extremely musical 3-band EQ plus switchable low-cut filter on all mono channels
- 10 balanced high-headroom line inputs with +4/-10 level selection on all stereo channels
- One post fader FX send per channel for external FX devices
- Clip LEDs on all mono channels
- Main mix outputs plus separate control room, headphone and 2-track outputs
- 2-track inputs assignable to main mix or control room/headphone outputs
- FX to control room function helps to monitor effects signal via headphone and control room 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

Mono Inputs

Microphone Inputs (IMP "Invisible" Mic Preamp)

Type	XLR connector, electronically balanced, discrete input circuit
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Mic E.I.N. ¹ (20 Hz - 20 kHz)

@ 0 Ω source resistance	-134 dB / 135.7 dB A-weighted
@ 50 Ω source resistance	-131 dB / 133.3 dB A-weighted
@ 150 Ω source resistance	-129 dB / 130.5 dB A-weighted

Frequency Response

<10 Hz - 150 kHz	-1 dB
<10 Hz - 200 kHz	-3 dB
Gain range	+10 dB to +60 dB
Max. input level	+12 dBu @ +10 dB GAIN
Impedance	approx. 2.6 k Ω balanced
Signal-to-noise ratio	110 dB / 112 dB A-weighted (0 dBu In @ +22 dB GAIN)
Distortion (THD+N)	0.005% / 0.004% A-weighted

Line Input

Type	¼" TRS jack, electronically balanced
Impedance	approx. 20 k Ω balanced, approx. 10 k Ω unbalanced
Gain range	-10 dB to +40 dB
Max. input level	+22 dBu @ 0 dB GAIN

Fade-Out Attenuation ² (Crosstalk Attenuation)

Main fader closed	90 dB
Channel muted	89.5 dB
Channel fader muted	89 dB

Frequency Response (Mic In → Main Out)

<10 Hz - 90 kHz	+0 dB / -1 dB
<10 Hz - 160 kHz	+0 dB / -3 dB

Stereo Inputs

Type	¼" TRS jack, electronically balanced
Impedance	approx. 20 k Ω
Max. input level	+22 dBu

Equalizer**EQ Mono Channels**

LOW	80 Hz / ± 15 dB
MID	2.5 kHz / ± 15 dB
HIGH	12 kHz / ± 15 dB

EQ Stereo Channels

LOW	80 Hz / ± 15 dB
MID	2.5 kHz / ± 15 dB
HIGH	12 kHz / ± 15 dB

Send / Return**Aux Sends**

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

Stereo Aux Returns

Type	¼" TRS jack, electronically balanced
Impedance	approx. 20 k Ω balanced / approx. 10 k Ω unbalanced
Max. input level	+22 dBu

Outputs**Main Outputs**

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

Control Room Outputs

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

Headphones Output

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

Main Mix System Data ³ (Noise)

Main mix @ $-\infty$, channel fader @ $-\infty$	-106 dB / -109 dB A-weighted
Main mix @ 0 dB, channel fader @ $-\infty$	-95 dB / -98 dB A-weighted
Main mix @ 0 dB, channel fader @ 0 dB	-84 dB / -87 dB A-weighted

Power Supply

Power Consumption	18 W
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Mains Voltage

USA/Canada	120 V~, 60 Hz, MXUL5 adapter
U.K./Australia	240 V~, 50 Hz, MXUK5 adapter
Europe	230 V~, 50 Hz, MXEU5 adapter
Japan	100 V~, 60 Hz, MXJP5 adapter

Physical / Weight

Dimensions (H x W x D)	approx. 1 5/8 x 7 7/8 x 8 2/3" approx. 47 x 189 x 220 mm
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Weight (net)	approx. 3.96 lbs / 1.80 kg
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¹ Equivalent Input Noise² Measuring conditions: 1 kHz rel. to 0 dBu; 20 Hz - 20 kHz; line input; main output; unity gain.³ 20 Hz - 20 kHz; 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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