



Technical Specifications



EURORACK UB1002

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

EURORACK UB1002

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
------	--

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 kΩ 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 kΩ balanced, approx. 10 kΩ unbalanced
Gain range	-10 dB to +40 dB
Max. input level	+22 dBu @ 0 dB GAIN

Fade-Out Attenuation² (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 kΩ
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 kΩ balanced / approx. 10 kΩ 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 Data³ (Noise)

Main mix @ -∞, channel fader @ -∞	-106 dB / -109 dB A-weighted
Main mix @ 0 dB, channel fader @ -∞	-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
-------------------	------

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 2/5 x 8 2/3" approx. 47 x 189 x 220 mm
Weight (net)	approx. 3.96 lbs / 1.80 kg

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.

BEHRINGER is constantly striving to maintain the highest professional standards. As a result of these efforts, modifications may be made from time to time to existing products without prior notice. Specifications and appearance may differ from those listed or illustrated.

TECHNICAL SPECIFICATIONS AND APPEARANCES ARE SUBJECT TO CHANGE WITHOUT NOTICE AND ACCURACY IS NOT GUARANTEED. BEHRINGER IS PART OF THE MUSIC GROUP (MUSIC-GROUP.COM). ALL TRADEMARKS ARE THE PROPERTY OF THEIR RESPECTIVE OWNERS. MUSIC GROUP ACCEPTS NO LIABILITY FOR ANY LOSS WHICH MAY BE SUFFERED BY ANY PERSON WHO RELIES EITHER WHOLLY OR IN PART UPON ANY DESCRIPTION, PHOTOGRAPH OR STATEMENT CONTAINED HEREIN. COLORS AND SPECIFICATIONS MAY VARY FROM ACTUAL PRODUCT. MUSIC GROUP PRODUCTS ARE SOLD THROUGH AUTHORIZED FULLFILLERS AND RESELLERS ONLY. FULLFILLERS AND RESELLERS ARE NOT AGENTS OF MUSIC GROUP AND HAVE ABSOLUTELY NO AUTHORITY TO BIND MUSIC GROUP BY ANY EXPRESS OR IMPLIED UNDERTAKING OR REPRESENTATION. THIS MANUAL IS COPYRIGHTED. NO PART OF THIS MANUAL MAY BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING AND RECORDING OF ANY KIND, FOR ANY PURPOSE, WITHOUT THE EXPRESS WRITTEN PERMISSION OF MUSIC GROUP IP LTD. ALL RIGHTS RESERVED. © 2012 MUSIC GROUP IP LTD. TRIDENT CHAMBERS, WICKHAMS CAY, P.O. BOX 146, ROAD TOWN, TORTOLA, BRITISH VIRGIN ISLANDS