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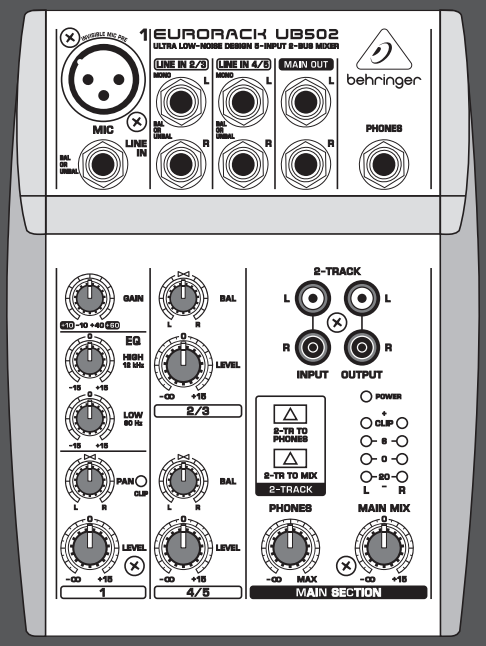

Technical Specifications

EURORACK UB502

Ultra-Low Noise Design 5-Input 2-Bus Mixer

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EURORACK UB502

Ultra-Low Noise Design 5-Input 2-Bus Mixer

- Ultra-low noise design, highest possible headroom, ultra-transparent audio
- State-of-the-art, IMP "Invisible" Mic Preamp with 130 dB dynamic range for 24-bit, 192 kHz sampling rate inputs
- Effective, extremely musical 2-band EQ and clip LED on mono channel
- 5 balanced high-headroom line inputs
- Main mix outputs plus separate headphone and 2-track output
- 2-track inputs assignable to main mix or headphone outputs
- 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 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 kΩ
Max. input level	+22 dBu

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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 Data[3] (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	13 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 ⅝ x 5 ¼ x 7" approx. 47 x 134 x 177 mm
Weight (net)	approx. 2.53 lbs / 1.15 kg

[1] Equivalent Input Noise

[2] 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 ⅓ as far left as possible; channels ¾ as far right as possible; reference = +6 dBu.