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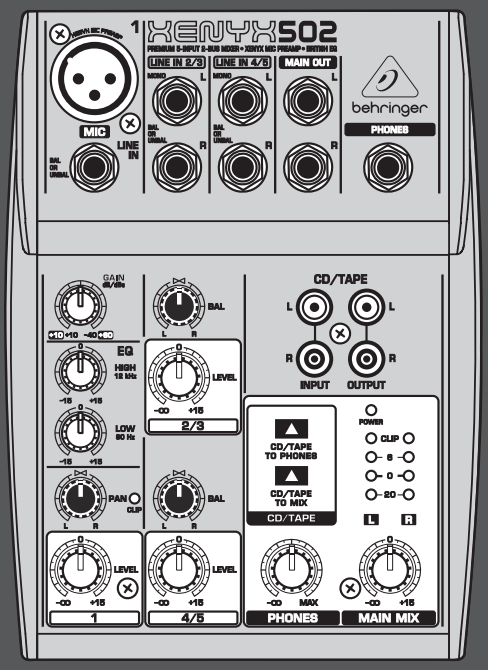

Technical Specifications

XENYX 502

Premium 5-Input 2-Bus Mixer with XENYX Mic Preamps and British EQs

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XENYX 502

Premium 5-Input 2-Bus Mixer with Xenyx Mic Preamps and British EQs

- Premium ultra-low noise, high headroom analog mixer
- State-of-the-art, phantom powered XENYX Mic Preamp comparable to stand-alone boutique preamps
- Neo-classic "British" 2-band EQ for warm and musical sound
- Main mix, stereo CD/tape plus separate headphone outputs
- CD/tape inputs assignable to headphone output or main mix outputs
- High-quality components and exceptionally rugged construction ensure long life
- Conceived and designed by BEHRINGER Germany

Specifications

Mono Inputs

Microphone Inputs (XENYX 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

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

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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

USA/Canada

Adapter	BEHRINGER PSU MX3UL
Mains voltage	120 V~, 60 Hz

Europe/U.K./Australia

Adapter	BEHRINGER PSU MX3EU
Mains voltage	230 V~, 50 Hz

China

Adapter	BEHRINGER PSU MX3CC
Input	220 V~ 50 Hz; 80 mA
Output	2 x 18.5 V~, 2 x 150 mA

Korea

Adapter	BEHRINGER PSU MX3KR
Mains voltage	220 V~, 60 Hz

Japan

Adapter	BEHRINGER PSU MX3JP
Mains voltage	100 V~, 50/60 Hz

Physical/Weight

Dimensions (H x W x D)	1.9" / 1.5 x 5.3 x 7" 47 mm / 37 x 134 x 177 mm
Weight (net)	2.6 lbs / 1.2 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 1/3 as far left as possible; channels 2/4 as far right as possible; reference = +6 dBu.