

# XENYX

# 802

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## Specifications

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# **XENYX 802**

## **Premium 8-Input 2-Bus Mixer with XENYX Mic Preamps and British EQs**

- ▲ Premium ultra low-noise, high headroom analog mixer
- ▲ state-of-the-art XENYX Mic Preamps comparable to stand-alone boutique preamps
- ▲ Neo-classic "British" 3-band EQs for warm and musical sound
- ▲ 1 post fader FX send per channel for external FX devices
- ▲ 1 stereo aux return for FX applications or as separate stereo input
- ▲ Main mix outputs plus separate control room, phones and stereo CD/tape outputs
- ▲ CD/tape inputs assignable to main mix or control room/phones outputs
- ▲ High-quality components and exceptionally rugged construction ensure long life
- ▲ Conceived and designed by BEHRINGER Germany

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# 1. Specifications

## Mono inputs

### Microphone inputs (XENYX Mic preamp)

Type XLR connector, electronically balanced, discrete input circuit

### Mic E.I.N.<sup>1</sup>(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<sup>2</sup>(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 data<sup>3</sup>(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

### Physical/weight

Dimensions (H x W x D) 1.9" / 1.5" x 7.4" x 8.7"  
 (47 mm / 37 mm x 189 mm x 220 mm)  
 Weight (net) 2.2 lbs (1.00 kg)

<sup>1</sup> Equivalent Input Noise

<sup>2</sup> Measuring conditions: 1 kHz rel. to 0 dBu; 20 Hz - 20 kHz; line input; main output; unity gain.

<sup>3</sup> 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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