

# 1002FX

## Technical Specifications

GB

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# XENYX

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## **Premium 10-Input 2-Bus Mixer with XENYX Mic Preamps, British EQs and 24-Bit Multi-FX Processor**

- ▲ Premium ultra low-noise, high headroom analog mixer
- ▲ 2 state-of-the-art XENYX Mic Preamps comparable to stand-alone boutique preamps
- ▲ Neo-classic "British" 3-band EQs for warm and musical sound
- ▲ Studio-grade 24-bit stereo FX processor with 100 awesome presets including reverb, chorus, flanger, delay, pitch shifter and various multi-effects
- ▲ FX send control per channel for internal FX processor and/or as external send
- ▲ 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
- ▲ Long-wearing 60-mm logarithmic-taper fader and sealed rotary controls
- ▲ High-quality components and exceptionally rugged construction ensure long life
- ▲ Conceived and designed by BEHRINGER Germany

1002FX

## SPECIFICATIONS

### Mono inputs

#### Microphone inputs

Type	XLR, electronically balanced, discrete input circuit
Mic E.I.N. (20 Hz - 20 kHz)	
@ 0 $\Omega$ source resistance	-132.7 dB / 137 dB A-weighted
@ 50 $\Omega$ source resistance	-130 dB / 133.9 dB A-weighted
@ 150 $\Omega$ source resistance	-127.1 dB / 130.9 dB A-weighted

Frequency response <10 Hz - 200 kHz (-1 dB)

Gain range	+10 to +60 dB
Max. input level	+12 dBu @ +10 dB gain
Impedance	approx. 2.6 k $\Omega$ balanced
Signal-to-noise ratio	-107 dB / -111 dB A-weighted (0 dBu In @ +22 dB gain)

Distortion (THD+N) 0.005% / 0.003% A-weighted

#### Line input

Type	¼" TRS connector electronically balanced
Impedance	approx. 20 k $\Omega$ balanced 10 k $\Omega$ unbalanced
Gain range	-10 to +40 dB
Max. input level	+20 dBu @ 0 dB Gain

#### Fade-out attenuation<sup>1</sup> (Crosstalk attenuation)

Main fader closed	85 dB
Channel fader closed	88 dB

#### Frequency response

Microphone input to main out	
<10 Hz - 80 kHz	+0 dB / -1 dB
<10 Hz - 137 kHz	+0 dB / -3 dB

#### Stereo inputs

Type	¼" TRS connector, electronically balanced
Impedance	approx. 20 k $\Omega$ bal. / 10k $\Omega$ unbal. (+4 dBu operating level) approx. 20 k $\Omega$ bal. / 5k $\Omega$ unbal. (-10 dBV)
Max. input level	+22 dBu

#### EQ mono channels

Low	80 Hz / $\pm$ 15 dB
Mid	2.5 kHz / $\pm$ 15 dB
High	12 kHz / $\pm$ 15 dB

## AUDIO OUTPUTS

#### FX send

Type	¼" TRS connector, unbalanced
Impedance	approx. 120 $\Omega$
Max. output level	+22 dBu

#### Main outputs

Type	¼" TRS connector, unbalanced
Impedance	approx. 120 $\Omega$
Max. output level	+22 dBu

#### Control room outputs

Type	¼" TRS connector, unbalanced
Impedance	approx. 120 $\Omega$
Max. output level	+22 dBu

#### Headphones output

Type	¼" TRS connector, unbalanced
Max. output level	+19 dBu / 150 $\Omega$ (+25 dBm)

#### Main mix system data<sup>2</sup>

Noise	
Main mix @ - $\infty$ ,	
Channel fader - $\infty$	-105 dB / -108 dB A-weighted
Main mix @ 0 dB,	
Channel fader - $\infty$	-94 dB / -97 dB A-weighted
Main Mix @ 0 dB,	
Channel fader @ 0 dB	-83 dB / -85 dB A-weighted

#### FX section

Converter	24-Bit Sigma-Delta
Sampling rate	40 kHz

#### Power supply

Power consumption	16 W
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#### Mains voltage

USA/Canada	120 V~, 60 Hz, MXUL6 adapter
U.K./Australia	240 V~, 50 Hz, MXUK6 adapter
Europe	230 V~, 50 Hz, MXEU6 adapter
China/Korea	220 V~, 50 Hz, MXCN6 adapter
Japan	100 V~, 60 Hz, MXJP6 adapter

#### Dimensions

Dimensions (H x W x D)	1 5/6" / 1 1/2" x 7 2/5" x 8 2/3" (47 mm / 37 mm x 189 mm x 220 mm)
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Weight (net) approx. 2.31 lbs (1.05 kg)

#### Measuring conditions:

- 1 kHz rel. to 0 dBu; 20 Hz - 20 kHz; line input; main output; unity gain.
- 20 Hz - 20kHz; 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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