XENYX 1222FX

Specifications

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XENYX

Premium 16-Input 2/2-Bus Mixer with XENYX Mic Preamps, British EQs, 24-Bit Multi-FX Processor and USB/Audio Interface

- Premium ultra low-noise, high headroom analog mixer
- 4 state-of-the-art XENYX Mic Preamps comparable to standalone 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
- USB/Audio Interface included to connect directly to your computer
- 7-band stereo graphic EQ allows precise frequency correction of monitor or main mixes
- Revolutionary FBQ Feedback Detection System instantly reveals critical frequencies
- Breathtaking XPQ 3D stereo surround effect for more vitality and enhanced stereo image
- Voice Canceller function for easy-to-use sing-along applications
- 4 fully equipped stereo input channels featuring 2 additional mic inputs on channels 5/6 and 7/8, 3-band EQ and input trim control
- Channel inserts on each mono channel for flexible connection of outboard equipment
- 2 aux sends per channel: 1 pre fader for monitoring, 1 post fader (for internal FX and/or as external send); 2 multi-functional stereo aux returns
- Balanced main mix outputs with gold-plated XLR connectors, headphone/control room output and stereo tape outputs
- Long-wearing 60-mm logarithmic-taper faders and sealed rotary controls
- Internal autorange power supply for maximum flexibility (100 - 240 V~), noise-free audio, superior transient response plus low power consumption for energy saving
- Rack mount brackets included for ultimate flexibility
- High-quality component components and exceptionally rugged construction ensure long life
- Conceived and designed by BEHRINGER Germany

SPECIFICATIONS

Mono inputs

Microphone inputs (XENYX Mic Preamp)

Type	XLR, electronically balanced, discrete input circuitry
Mic E.I.N. (20 Hz - 20 kHz)	
@ 0 Ω source resistance	-134 dB / 135.7 dB A-weighted
@ 50 Ω source resistance	-131 dB / 133.5 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 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	1/4" TRS connector, electronically balanced
Impedance	approx. 20 kΩ balanced 10 kΩ unbalanced
Gain range	-10 to +40 dB
Max. input level	+22 dBu @ 0 dB Gain

Fade-out attenuation[1] (Crosstalk attenuation)

Main fader closed	98 dB
Channel muted	85 dB
Channel fader muted	85 dB

Frequency response

Microphone input to main out	
<10 Hz - 90 kHz	+0 dB / -1 dB
<10 Hz - 160 kHz	+0 dB / -3 dB

Stereo inputs

Channels 5/6, 7/8

Microphone input

Type	XLR microphone connector, electronically balanced
Impedance	approx. 2.6 kΩ balanced
Gain range	0 dB to +40 dB
Max. input level	+2 dBu

Stereo inputs

Type	2 x 1/4" TRS connector, unbalanced
Impedance	approx. 40 kΩ @ 0 dB Gain
Gain range	-20 dB to +20 dB
Max. input level	+22 dBu @ 0 dB Gain

Channels 9/10, 11/12

Type	2 x 1/4" TRS connector, unbalanced
Impedance	approx. 40 kΩ @ 0 dB Gain
Gain range	-20 dB to +20 dB
Max. input level	+22 dBu @ 0 dB Gain

CD/tape in

Type	RCA connectors
Impedance	approx. 10 kΩ
Max. input level	+22 dBu

EQ mono channels

Low	80 Hz / ±15 dB
Mid	2.5 kHz / ±15 dB
High	12 kHz / ±15 dB
Low cut	80 Hz, 18 dB/oct.

EQ stereo channels

Low	80 Hz / ±15 dB
Mid	2.5 kHz / ±15 dB
High	12 kHz / ±15 dB

MON/FX send

Type	1/4" TS connector, unbalanced
Impedance	approx. 120 Ω
Max. output level	+22 dBu

Aux returns

Type	1/4" TRS connector, unbalanced
Impedance	approx. 10 kΩ
Max. input level	+22 dBu

Main outputs

Type	XLR, electronically balanced
Impedance	approx. 240 Ω balanced / 120 Ω unbalanced
Max. output level	+28 dBu

Headphone output

Type	1/4" TRS connector, unbalanced
Max. output level	+19 dBu / 150 Ω (+25 dBm)

CD/tape out

Type	RCA connectors
Impedance	approx. 1 kΩ
Max. output level	+22 dBu

DSP	Texas Instruments®
Converter	24-bit Sigma-Delta, 64/128-times oversampling
Sampling rate	40 kHz

Main mix system data[2]

Noise	
Main mix @ -∞, Channel fader -∞	-99 dB / -101 dB A-weighted
Main mix @ 0 dB, Channel fader -∞	-84 dB / -87 dB A-weighted
Main mix @ 0 dB, Channel fader @ 0 dB	-80 dB / -82 dB A-weighted

Power supply

Mains Voltage	100 - 240 V~, 50 - 60 Hz
Power consumption	40 W
Fuse	**T 1.6 A H** 250 V
Mains connection	Standard IEC receptacle

Physical

Dimensions (H x W x D)	approx. 97 mm (3 7/8") x 345 mm (13 18/32") x 334 mm (13 5/32")
Weight (net)	approx. 3.80 kg (8.38 lbs.)

Measuring conditions:

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

2: 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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