



Technical Specifications



XENYX 1204FX

Premium 12-Input 2/2-Bus Mixer with XENYX Mic Preamps,
British EQs, 24-Bit Multi-FX Processor and USB/Audio Interface

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Premium 12-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 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
- USB/Audio Interface included to connect directly to your computer. More free audio recording and editing software downloadable at behringer.com
- 2 aux sends per channel: 1 pre/post fader switchable for monitoring/FX applications, 1 post fader (for internal FX or as external send)
- Peak LEDs, mute/alt 3-4, solo and PFL functions on all channels
- 2 subgroups with separate outputs for added routing flexibility
- 2 multi-functional stereo aux returns with flexible routing
- Balanced main mix outputs with gold-plated XLR connectors plus separate control room, headphones and stereo tape outputs
- Control room/phones outputs with multi-input source matrix
- Tape inputs assignable to main mix or control room/phones 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 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 circuit
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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 / 133.3 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 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 connector electronically balanced
Impedance	approx. 20 kΩ balanced 10 kΩ unbalanced
Gain range	-10 to +40 dB
Max. input level	30 dBu

Fade-Out Attenuation¹ (Crosstalk Attenuation)

Main fader closed	90 dB
Channel muted	89.5 dB
Channel fader closed	89 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

Type	¼" TRS connector, electronically balanced
Impedance	approx. 20 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

EQ Stereo Channels

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

Aux Sends

Type	¼" TS connector, unbalanced
Impedance	approx. 120 Ω
Max. output level	+22 dBu

Stereo Aux Returns

Type	¼" TRS connector, electronically balanced
Impedance	approx. 20 kΩ bal. / 10 kΩ unbalanced
Max. input level	+22 dBu

Main Outputs

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

Control Room Outputs

Type	¼" TS connector, unbalanced
Impedance	approx. 120 Ω
Max. output level	+22 dBu

Headphones Output

Type	¼" TRS connector, unbalanced
Max. output level	+19 dBu / 150 Ω (+25 dBm)
DSP	24-bit Texas Instruments
Converter	24-bit Sigma-Delta, 64/128-times oversampling
Sampling rate	40 kHz

Main Mix System Data²**Noise**

Main mix @ -∞, Channel fader -∞	-105 dB / -108 dB A-weighted
Main mix @ 0 dB, Channel fader -∞	-95 dB / -97 dB A-weighted
Main Mix @ 0 dB, Channel fader @ 0 dB	-82,5 dB / -85 dB A-weighted

Power Supply

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

Physical

Dimensions (H x W x D)	approx. 3 7/8 x 9 11/16 x 13 5/32" approx. 97 x 247 x 334 mm
Weight (net)	approx. 8.6 lbs / 3.9 kg

Measuring conditions:

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

2: 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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