

**1204**

**XENYX**

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# Specifications

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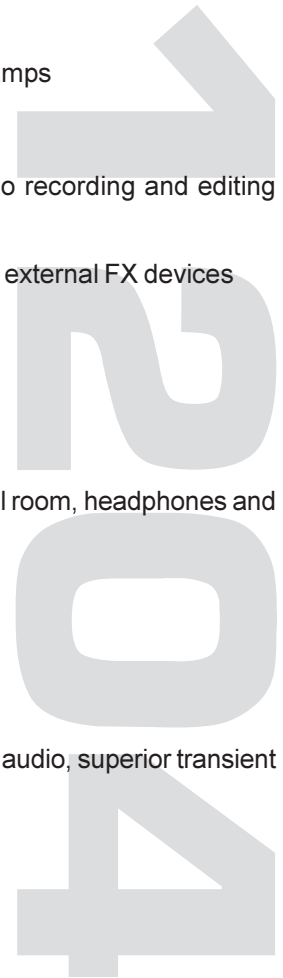
## **XENYX 1204**

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# **XENYX**

### **Premium 12-Input 2/2-Bus Mixer with XENYX Mic Preamps, British EQs 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
- ▲ USB/Audio Interface included to connect directly to your computer. Free audio recording and editing software downloadable at [www.behringer.com](http://www.behringer.com)
- ▲ 2 aux sends per channel: 1 pre fader for monitoring applications, 1 post fader for external FX devices
- ▲ Peak LEDs and mute/alt 3-4 function 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 |
| Mic E.I.N. (20 Hz - 20 kHz)      |  |
| @ 0 $\Omega$ source resistance   | -134 dB / 135.7 dB A-weighted                        |
| @ 50 $\Omega$ source resistance  | -131 dB / 133.3 dB A-weighted                        |
| @ 150 $\Omega$ source resistance | -129 dB / 130.5 dB A-weighted                        |

|                    |   |
|--------------------|---|
| Frequency response | <10 Hz - 150 kHz (-1 dB),<br><10 Hz - 200 kHz (-3 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 | 110 dB / 112 dB A-weighted<br>(0 dBu In @ +22 dB gain) |

|                           |                            |
|---------------------------|----------------------------|
| <b>Distortion (THD+N)</b> | 0.005% / 0.004% A-weighted |
|---------------------------|----------------------------|

### Line input

|                  |  |
|------------------|--|
| Type             | 1/4" TRS connector<br>electronically balanced              |
| Impedance        | approx. 20 k $\Omega$ balanced<br>10 k $\Omega$ unbalanced |
| Gain range       | -10 to +40 dB  |
| Max. input level | 30 dBu   |

### Fade-out attenuation<sup>1</sup> (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             | 1/4" TRS connector,<br>electronically balanced |
| Impedance        | approx. 20 k $\Omega$                          |
| 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  |

### EQ stereo channels

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

### Aux sends

|                   |                               |
|-------------------|-------------------------------|
| Type              | 1/4" TS connector, unbalanced |
| Impedance         | approx. 120 $\Omega$          |
| Max. output level | +22 dBu                       |

### Stereo aux returns

|                  |   |
|------------------|---|
| Type             | 1/4" TRS connector,<br>electronically balanced    |
| Impedance        | approx. 20 k $\Omega$ bal. / 10 k $\Omega$ unbal. |
| Max. input level | +22 dBu   |

### Main outputs

|                   |   |
|-------------------|---|
| Type              | XLR, electronically balanced                    |
| Impedance         | approx. 240 $\Omega$ bal. / 120 $\Omega$ unbal. |
| Max. output level | +28 dBu   |

### Control room outputs

|                   |                           |
|-------------------|---------------------------|
| Type              | 1/4" TS connector, unbal. |
| Impedance         | approx. 120 $\Omega$      |
| Max. output level | +22 dBu                   |

### Headphones output

|                   |                                  |
|-------------------|----------------------------------|
| Type              | 1/4" 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 - $\infty$ | -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. 97 mm (3 7/8") x 247 mm<br>(9 11/16") x 328 mm (13") |
| Weight (net)           | approx. 2.56 kg (5 5/8 lbs)                                  |

### 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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