

Behringer 1204USB

Behringer Xenyx 1204USB Mixer User Manual

Model: 1204USB | Brand: Behringer

Premium ultra-low noise, high headroom analog mixer with USB connectivity.

1. INTRODUCTION

The Behringer Xenyx 1204USB is a versatile 12-input, 2/2-bus analog mixer designed for professional audio applications. It features premium Xenyx mic preamps, one-knob compressors, and a built-in USB audio interface, making it ideal for live sound, studio recording, and podcasting. This manual provides detailed instructions for setting up, operating, and maintaining your mixer to ensure optimal performance.

2. WHAT'S IN THE BOX

Upon unboxing your Behringer Xenyx 1204USB Mixer, please ensure all the following items are present:

- Behringer Xenyx 1204USB Mixer
- Power Cable
- User Manual (this document)
- USB Cable

3. SETUP GUIDE

Follow these steps to properly set up your Behringer Xenyx 1204USB Mixer.

3.1 Physical Placement

Place the mixer on a stable, flat surface away from direct sunlight, heat sources, and excessive moisture. Ensure adequate ventilation around the unit.

3.2 Power Connection

Connect the supplied power cable to the mixer's power input on the rear panel and then to a suitable AC power

outlet. Ensure the power switch is in the OFF position before connecting.



Figure 1: Rear panel connections including power input.

3.3 Connecting Microphones and Instruments

The mixer offers various input options:

- **XLR Inputs (Mic):** Use balanced XLR cables for microphones. For condenser microphones requiring phantom power, ensure the +48V Phantom Power switch (located near the main output section) is engaged.
- **1/4" Line Inputs:** Use 1/4" TS or TRS cables for line-level instruments (keyboards, guitars with preamps) or other audio devices.
- **RCA Inputs (2-Track/USB):** Connect external playback devices like CD players or media players using RCA cables to the 2-Track/USB Input.



Figure 2: Overview of input channels and control layout.

3.4 Connecting to a Computer (USB Interface)

Connect the mixer to your computer using the supplied USB cable. The mixer acts as a 2-in/2-out USB audio interface, allowing you to record audio from the mixer to your computer and play back audio from your computer through the mixer. No special drivers are typically required for most operating systems.

3.5 Connecting Outputs

- **Main Outputs:** Connect these XLR outputs to your main PA system or studio monitors.
- **ALT 3-4 Outputs:** These 1/4" outputs provide an alternative stereo mix, useful for sending signals to a separate

recording device or monitor mix.

- **Control Room Out:** Connect these 1/4" outputs to dedicated control room monitors.
- **Phones:** Plug your headphones into the 1/4" Phones jack for monitoring.

4. OPERATING INSTRUCTIONS

Understanding the mixer's controls is key to achieving desired audio results.

4.1 Input Channel Controls (Channels 1-8)

- **GAIN:** Adjusts the input sensitivity for each channel. Set this to achieve a strong signal without clipping (indicated by the CLIP LED).
- **LOW CUT (75 Hz):** Activates a high-pass filter to remove unwanted low-frequency rumble or hum.
- **COMP (Compression):** A one-knob compressor for dynamic range control. Turn clockwise to increase compression.
- **EQ (Equalizer):** Three-band equalizer for High (12 kHz), Mid (2.5 kHz), and Low (80 Hz) frequencies. Adjust to shape the tone of each channel.
- **AUX 1 (MON PRE):** Sends signal to the AUX 1 output, typically used for a pre-fader monitor mix.
- **AUX 2 (FX POST):** Sends signal to the AUX 2 output, typically used for a post-fader effects send.
- **PAN/BAL:** Pans mono signals left/right in the stereo field or balances stereo signals.
- **MUTE/ALT 3-4:** Mutes the channel from the Main Mix and routes it to the ALT 3-4 outputs.
- **Channel Faders:** Controls the individual volume level of each channel in the Main Mix.



Figure 3: Detailed view of channel strips and their respective controls.

4.2 Main Section Controls

- **AUX SENDS:** Master level controls for AUX 1 and AUX 2 outputs.
- **STEREO AUX RETURNS:** Controls the level of incoming stereo signals from external effects processors connected to the AUX Returns.
- **2-TR/USB TO MAIN/PHONES:** Routes the 2-Track/USB input signal to the Main Mix or Phones/Control Room output.
- **PHONES/CTRL ROOM:** Adjusts the volume for headphones and control room monitors.
- **MAIN MIX Faders:** Controls the overall output volume of the main stereo mix.
- **ALT 3-4 Faders:** Controls the overall output volume of the ALT 3-4 stereo mix.
- **Level Meters:** LED meters display the output level of the Main Mix, helping to prevent clipping.

5. MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your mixer.

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the mixer. Avoid abrasive cleaners or solvents. For dust accumulation around knobs and faders, use compressed air.
- **Storage:** When not in use, store the mixer in a cool, dry place, ideally covered to protect from dust.

- **Cable Management:** Ensure cables are neatly organized and not under tension to prevent damage to connectors and ports.

6. TROUBLESHOOTING

If you encounter issues, try these common troubleshooting steps:

- **No Sound Output:**
 - Check all power connections and ensure the mixer is powered on.
 - Verify that channel faders, Main Mix faders, and Phones/Control Room knob are turned up.
 - Ensure input sources are connected correctly and are active.
 - Check if any MUTE buttons are engaged on active channels.
 - Confirm output cables are securely connected to monitors/PA system.
- **Distorted Sound:**
 - Reduce the GAIN knob on the input channel.
 - Check if the CLIP LED is constantly lit; if so, reduce input gain.
 - Lower the Main Mix faders or the volume on your connected speakers.
- **Hum or Noise:**
 - Ensure all cables are properly shielded and connected.
 - Use balanced cables (XLR or TRS) whenever possible.
 - Check for ground loops; try connecting all audio equipment to the same power strip.
 - Engage the LOW CUT filter on channels with potential low-frequency noise.

7. SPECIFICATIONS

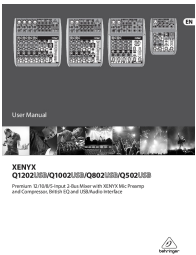
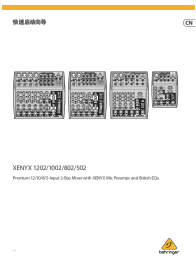
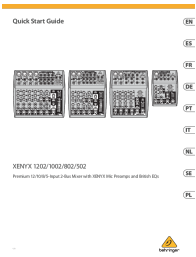
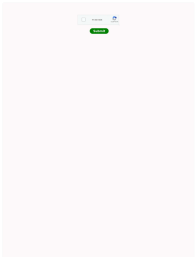
Feature	Detail
Item Weight	6.17 pounds
Product Dimensions	12.91 x 10.63 x 3.82 inches
Item Model Number	1204USB
Hardware Interface	USB
Power Source	Corded Electric
Number of Channels	12 (inputs)
Connectivity Technology	Auxiliary, USB


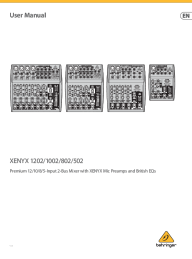
8. WARRANTY AND SUPPORT

The Behringer Xenyx 1204USB Mixer comes with a standard manufacturer's warranty. For detailed warranty information, product registration, or technical support, please visit the official Behringer website or contact their customer service. Keep your purchase receipt for warranty claims.

For additional resources, you may refer to the official [User Manual \(PDF\)](#) provided by Behringer.

Related Documents - 1204USB

	<p>Behringer XENYX Q-Series USB Mixers: User Manual</p> <p>User manual for Behringer XENYX Q1202USB, Q1002USB, Q802USB, Q502USB premium 2-bus mixers. Details features like XENYX Mic Preamps, British EQ, and USB audio interface for live and studio use.</p>
	<p>Behringer XENYX 1202/1002/802/502 Quick Start Guide</p> <p>A concise guide to setting up and operating the Behringer XENYX 1202, 1002, 802, and 502 premium 12/10/8/5-input 2-bus mixers with XENYX Mic Preamps and British EQs.</p>
	<p>Behringer XENYX 1202/1002/802/502 Quick Start Guide</p> <p>A quick start guide for the Behringer XENYX series mixers, covering setup, controls, and specifications for the 1202, 1002, 802, and 502 models. Includes important safety information and warranty details.</p>
	<p>Behringer XENYX X1222USB User Manual and Mixer Guide</p> <p>Comprehensive user manual for the Behringer XENYX series of small format analog mixers, including the X1222USB, X2442USB, X2222USB, X1832USB, X1622USB, and X1204USB. Details features like XENYX mic preamps, one-knob compressors, British EQs, 24-bit multi-FX processor, and USB audio interface. Includes model comparisons, specifications, and setup examples.</p>

	<p>Behringer XENYX 1202/1002/802/502 - Manual de Instruções</p> <p>Manual de instruções detalhado para as mesas de mistura Behringer XENYX 1202, 1002, 802 e 502, cobrindo características, operação, instalação e dados técnicos.</p>
	<p>Behringer XENYX 1202/1002/802/502 User Manual: Features, Installation, and Specifications</p> <p>Comprehensive user manual for the Behringer XENYX 1202, 1002, 802, and 502 premium 2-bus mixers. Covers XENYX Mic Preamps, British EQs, control elements, connections, installation, safety instructions, and detailed specifications.</p>