Behringer

Behringer Xenyx X1204USB Mixer with USB and Effects

Product Instruction Manual

PRODUCT OVERVIEW

The Behringer Xenyx X1204USB Mixer is a versatile audio mixing console designed for both live performance and home-based recording setups. It features premium XENYX mic preamps, neo-classic 3-band British-style EQ, and a built-in USB audio interface for seamless integration with computers.
Key features include:

- 8-channel USB Mixer with One-knob Compression
- 3-band EQ Per Channel
- 2 Aux Sends
- Built-in FX Processor
- 2 Busses

Figure 1: Top-down view of the Behringer Xenyx X1204USB Mixer, showcasing its various knobs, faders, and input/output sections.

SETUP GUIDE

1. Power Connection

Connect the mixer to a standard AC power outlet using the provided power cord. The mixer operates on 2.4E+2 Volts (AC). Ensure the power switch is in the 'off' position before connecting.

2. Audio Input Connections

The X1204USB provides four mono channels with XLR inputs for microphones and 1/4" TRS inputs for line-level instruments. Additionally, it includes two stereo input channels. Connect your microphones,

instruments, or other audio sources to the appropriate input jacks.

- **Microphones:** Use XLR cables for condenser or dynamic microphones. The mixer features phantom-powered mic preamps.
- **Line-level Instruments:** Use 1/4" TRS cables for devices like keyboards or guitars.

Figure 2: Angled view of the mixer, highlighting the various input jacks for microphones and line-level instruments.

3. Audio Output Connections

Connect your main speakers or recording devices to the Main Outputs (XLR) or ALT 3-4 Outputs (1/4" TRS). For monitoring, use the Control Room Out (1/4" TRS) or the dedicated headphone jack.

4. USB Connection to Computer

The mixer features a USB interface for bi-directional audio transfer with your computer. Connect a USB cable from the mixer's USB port to your computer's USB port. It is recommended to power off both the mixer and the computer before making this connection.

Important Driver Information (Windows 7):

It is strongly advised **NOT** to install the official Behringer drivers for Windows 7. The default Windows 7 drivers are generally more stable and offer more configuration options and recording modes. Installing Behringer-specific drivers may lead to system instability, reduced functionality, and audio issues.

Figure 3: Rear view of the mixer, showing the power input, power switch, phantom power switch, and the USB interface port.

5. Rack Mounting (Optional)

The mixer can be mounted into a 19" rack using the two large metal brackets provided. To attach these brackets, first remove the plastic handles on each side of the unit. Use a large, slender Phillips screwdriver to remove the three screws holding each handle in place. Once the plastic handles are removed, you will see the three screws on each side where the metal plates attach. Loosen these screws (they do not need to come all the way out) and then secure the metal brackets, ensuring they are tightened firmly.

OPERATING INSTRUCTIONS

1. Basic Mixing and Level Control

Each channel on the mixer has dedicated controls for gain, EQ (High, Mid, Low), AUX sends, FX sends, pan, and a level fader. Use the faders to control the volume of individual channels. The main mix faders control the overall output volume.

- **Gain:** Adjusts the input sensitivity for each channel.
- **EQ:** Allows for equalization of each channel's audio, enabling adjustment of bass, mid-range, and treble frequencies.
- **Faders:** Control the output level of each channel to the main mix.

2. USB Audio Interface Usage

The built-in USB audio interface allows for bi-directional transfer of signals between the mixer and your computer. This enables you to play audio from your computer through the mixer and record the mixer's output directly to your computer.
While the USB input is convenient, it has certain limitations:

- No direct volume controls, EQ, or FX/AUX sends for the USB input on the mixer itself.
- USB output is typically based on the main bus, with limited volume control directly from the mixer. Adjustments may need to be made within your computer's audio settings.

3. Built-in FX Processor

The X1204USB features a 24-bit multi-FX processor with a variety of standard effects, including various reverb settings and pitch shifters. Use the FX send controls on each channel to route audio to the effects processor, and adjust the overall FX return level to blend the effects into your mix.

4. Monitoring and Recording

You can monitor your mix through headphones connected to the dedicated headphone jack or via speakers connected to the Control Room Out. The mixer also allows for direct recording of your mix to a computer via the USB interface, enabling real-time monitoring during recording sessions.

MAINTENANCE

To ensure the longevity and optimal performance of your Behringer Xenyx X1204USB Mixer, regular maintenance is recommended.

- **Cleaning Faders:** Over time, faders may develop crackling noises or intermittent contact. This can often be resolved by cleaning and lubricating them with a specialized "fader cleaner" product.
- **General Cleaning:** Keep the mixer free from dust and debris. Use a soft, dry cloth for cleaning the exterior. Avoid using harsh chemicals or abrasive materials.
- **Cable Management:** Ensure all cables are properly organized and not under undue stress to prevent damage to the ports and cables themselves.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Abnormal noise/distortion from built-in effects.	Internal effect processing issue.	If the issue persists after power cycling the unit, contact customer support for assistance. This may indicate a hardware fault.
USB connection issues with computer (e.g., not recognized, audio cutting out).	Incorrect drivers installed (especially on Windows 7), incorrect computer settings, or loose USB cable.	- Ensure you are using the default Windows drivers (do not install Behringer drivers for Windows 7). - Check your computer's sound settings to ensure the mixer is selected as the input/output device. - Verify the USB cable is securely connected. - Try a different USB port on your computer.
Faders crackle or channels mute intermittently.	Dust or dirt accumulation on fader contacts.	Clean and lubricate the faders using a specialized fader cleaner.

Problem	Possible Cause	Solution
No sound output.	Incorrect cable connections, low volume levels, or muted channels.	- Check all audio cable connections. - Ensure all relevant faders and gain knobs are turned up. - Verify that no channels or the main mix are muted. - Check the power status of the mixer and any connected active speakers.

SPECIFICATIONS

Feature	Detail
Brand	Behringer
Model Number	X1204USB
Item Weight	5.75 pounds
Product Dimensions	12.91 x 10.63 x 3.82 inches
Color Name	Black
Material Type	Composite
Number of Channels	12
Connector Type	4 x XLR; 6 x 1/4" TRS
Hardware Interface	USB
Power Source	Corded Electric
Voltage	2.4E+2 Volts (AC)
Country of Origin	China
First Available Date	April 13, 2004

WARRANTY AND SUPPORT

For detailed warranty information and technical support, please refer to the official Behringer website or the User Guide provided with your product. A digital version of the User Guide is available at: User Guide (PDF).

Behringer provides support for their products, and it is recommended to consult their official resources for the most accurate and up-to-date information regarding service, parts, and troubleshooting beyond this manual.