Behringer XENYX X2222USB

Behringer XENYX X2222USB Premium Mixer

USER MANUAL

Introduction

This manual provides comprehensive instructions for the setup, operation, maintenance, and troubleshooting of your Behringer XENYX X2222USB Premium 22-Input 2/2-Bus Mixer. Please read this manual thoroughly before operating the device to ensure proper use and to maximize its performance and longevity.

The Behringer XENYX X2222USB is a high-performance audio mixer designed for professional audio applications. It features an integrated USB computer audio interface, allowing for seamless blending and shaping of multiple audio signals and distribution to various outputs. Key features include eight top-tier XENYX microphone preamps, British-style EQs, eight user-friendly one-knob compressors, and a built-in 24-bit dual engine effects processor.

Figure 1: Behringer XENYX X2222USB Mixer with included XLR cables. This image shows the mixer from an angled top-front view, alongside two coiled XLR microphone cables.

Important Safety Instructions

- Read these instructions.

- Keep these instructions.

- Heed all warnings.

- Follow all instructions.

- Do not use this apparatus near water.

- Clean only with dry cloth.

- Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.

- Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.

- Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.

- Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.

- Only use attachments/accessories specified by the manufacturer.

- Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.

- Unplug this apparatus during lightning storms or when unused for long periods of time.

- Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.

Package Contents

Please verify that all items listed below are included in your package:

- Behringer XENYX X2222USB Mixer

- Rack Mounts

- EnergyXT2.5 Software (download/license information)

- 2 x H&A XLR Cables (15' 8mm)

- Power Cord

- User Manual (this document)

Setup

Follow these steps to set up your Behringer XENYX X2222USB mixer for initial use.

1. Power Connection

Connect the supplied power cord 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 2: Rear panel of the XENYX X2222USB mixer, highlighting power input, main outputs, sub outputs, control room out, and channel inserts.

2. Audio Input Connections

The mixer features 8 XLR mic inputs with XENYX preamps and 12 line inputs (8 mono, 4 stereo). Connect your microphones, instruments, and other audio sources to the appropriate input jacks.

- **Microphones:** Use XLR cables (like the included H&A cables) to connect microphones to the XLR inputs (1-8).
- **Line-Level Devices:** Use 1/4" TRS or TS cables for line-level instruments or devices to the 1/4" line inputs.

Figure 3: Examples of XLR male (left) and female (right) connectors, commonly used for microphone connections.

3. Audio Output Connections

Connect your main speakers, monitors, or recording devices to the mixer's output jacks.

- **Main Outputs:** Use XLR or 1/4" TRS cables for your main stereo speakers.
- **Control Room Out:** For connecting studio monitors.
- **Sub Outputs:** For routing specific groups of channels.

4. USB Connection (for Computer Audio Interface)

Connect the mixer to your computer using a standard USB cable. This enables bi-directional audio transfer for recording and playback.

- Ensure your computer meets the system requirements for the EnergyXT2.5 software.
- Install any necessary drivers (usually automatically detected by modern operating systems, but check Behringer's website if issues arise).
- Install the included EnergyXT2.5 software for advanced recording and production capabilities.

Operating the Mixer

This section provides an overview of the mixer's controls and basic operation.

Figure 4: Front panel overview of the XENYX X2222USB mixer, displaying all channels, faders, knobs, and the effects section.

Channel Strips (Mono Channels 1-8)

- **Gain Control:** Adjusts the input sensitivity for microphones and line-level signals. Set this to achieve a healthy signal level without clipping.

- **Compressor:** One-knob compressor for dynamic range control. Turn clockwise to increase compression.

- **EQ (Equalizer):** 3-band British-style EQ with swept mid.

    - **HIGH:** Adjusts treble frequencies.
    - **MID:** Adjusts mid-range frequencies. The **FREQ** knob selects the specific mid-frequency to be adjusted.
    - **LOW:** Adjusts bass frequencies.

- **AUX Sends:** Three auxiliary sends per channel (FX1, MON1, MON2) for routing signals to external effects processors or stage monitors.

- **PAN:** Positions the channel's signal in the stereo field (left to right).

- **MUTE:** Mutes the channel's output.

- **SOLO:** Isolates the channel for monitoring.

- **Channel Fader:** Controls the output level of the individual channel.

Stereo Channels (9/10, 11/12, 13/14, 15/16)

These channels are designed for stereo line-level inputs and feature simplified controls compared to mono channels.

Effects Processor

The built-in 24-bit dual engine effects processor offers 16 editable presets including reverb, chorus, flanger, delay, and pitch shifter. Use the **PROGRAM** knob to select an effect and the **FX SEND** controls to apply it to channels.

USB Audio Interface

The integrated USB interface allows for bi-directional audio streaming with your computer. This enables direct recording of your mix and playback of audio from your computer through the mixer.

- **Recording:** The main stereo mix can be sent to your computer for recording in a DAW (Digital Audio Workstation) like EnergyXT2.5.
- **Playback:** Audio from your computer can be routed back into the mixer for monitoring or integration into your live mix.

Main Mix Section

- **Main Mix Faders:** Control the overall output level of the stereo main mix.
- **Level Meters:** Provide visual indication of the main mix output level. Aim for levels around 0 dB to avoid clipping.
- **Phantom Power (+48V):** Activates phantom power for condenser microphones connected to XLR inputs. Ensure microphones requiring phantom power are connected before activating.

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 using abrasive cleaners, solvents, or waxes. Do not spray liquids directly onto the mixer.
- **Ventilation:** Ensure that the ventilation openings are not blocked. Adequate airflow is crucial to prevent overheating.
- **Storage:** When not in use for extended periods, store the mixer in a cool, dry place, away from direct sunlight and extreme temperatures. If possible, use the original packaging or a protective case.
- **Cable Management:** Regularly check all cables for damage. Replace frayed or damaged cables immediately to prevent signal loss or electrical hazards.

Troubleshooting

This section addresses common issues you might encounter and provides solutions.

Problem	Possible Cause	Solution
No sound output from main mix.	Power off. Main mix faders down. Channel faders down. Mute engaged on channels or main. Incorrect output connections. Speakers off or disconnected.	Ensure mixer is powered on. Raise main mix faders. Raise individual channel faders. Disengage mute buttons. Verify main output connections to speakers/amplifier. Check speaker power and connections.
Distorted sound.	Input gain too high. Output level too high. Damaged cables.	Reduce input gain on channels. Lower main mix faders or individual channel faders. Inspect and replace faulty cables.

Problem	Possible Cause	Solution
USB audio not working.	Incorrect USB connection. Missing/outdated drivers. Incorrect audio settings on computer.	Ensure USB cable is securely connected to both mixer and computer. Check Behringer's website for the latest drivers. Verify that the XENYX X2222USB is selected as the input/output device in your computer's sound settings and DAW.

Specifications

Feature	Detail
Brand	Behringer
Model	XENYX X2222USB
Number of Channels	22 (8 mono, 4 stereo)
Microphone Preamps	8 x XENYX Mic Preamps
Compressors	8 x One-knob Compressors
Equalizer	British-style 3-band EQ with swept mid on mono channels
Effects Processor	24-bit dual engine with 16 presets
Connectivity Technology	USB (bi-directional audio interface)
Output Connector Type	XLR, 1/4" TRS
Power Source	Corded Electric
Product Dimensions	20.75 x 15.8 x 6 inches (52.7 x 40.1 x 15.2 cm)
Item Weight	15.22 pounds (6.9 kg)

Warranty Information

The Behringer XENYX X2222USB Mixer bundle includes Adorama's 1-year warranty. For specific terms, conditions, and to register your product, please refer to the warranty documentation provided with your purchase or visit the official Behringer or Adorama support websites.

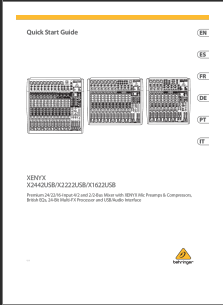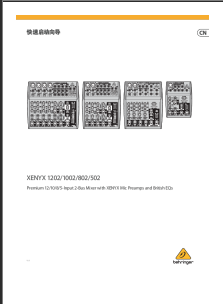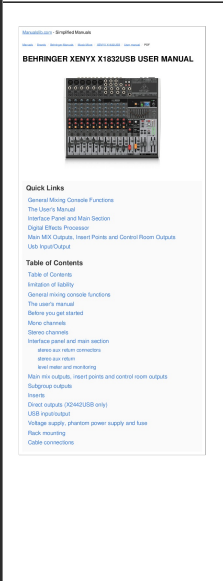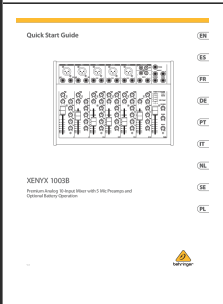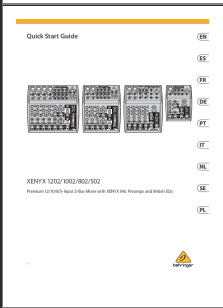Please retain your proof of purchase for warranty claims.
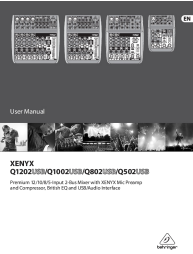
Support

For further assistance, technical support, or to download the latest drivers and software, please visit the official Behringer website:

www.behringer.com

You may also refer to the Behringer Store on Amazon for product information and related accessories Behringer Amazon Store

Related Documents - XENYX X2222USB

[Behringer XENYX X2442USB/X2222USB/X1622USB Quick Start Guide](#)
Quick start guide for the Behringer XENYX X2442USB, X2222USB, and X1622USB mixers, detailing safety instructions, hook-up procedures, controls, multi-FX processor, specifications, and important information.

[Behringer XENYX 1202/1002/802/502 Quick Start Guide](#)
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.

[Behringer Xenyx X1832USB User Manual: Features, Operation, and Specifications](#)
Comprehensive user manual for the Behringer Xenyx X1832USB, X1622USB, X2222USB, and X2442USB mixers. Covers introduction, control elements, equalizer, effects processor, rear panel connectors, installation, and detailed specifications for these premium audio mixers.

[Behringer Xenyx 1003B Quick Start Guide](#)
A quick start guide for the Behringer Xenyx 1003B Premium Analog 10-Input Mixer with 5 Mic Preamps and Optional Battery Operation. This guide covers safety instructions, hook-up diagrams, control descriptions, and initial setup.

[Behringer XENYX 1202/1002/802/502 Quick Start Guide](#)
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.

[Behringer XENYX Q-Series USB Mixers: User Manual](#)

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.