Behringer Q802USB

Behringer Q802USB Premium 8-Input Mixer User Manual

Model: Q802USB

1. INTRODUCTION

This manual provides comprehensive instructions for the setup, operation, and maintenance of your Behringer Q802USB Premium 8-Input 2-Bus Mixer. The Q802USB is a versatile and feature-packed analog mixer designed for various audio applications, including small project recording, rehearsals, and podcasting. It features 8 inputs, including 2 mono channels with XENYX mic preamps and 2 stereo channels, along with a built-in USB/audio interface.

Please read this manual thoroughly before operating the device to ensure proper use and to maximize its performance and longevity.

2. KEY FEATURES

- Premium ultra-low noise, high headroom analog mixer.
- Two state-of-the-art XENYX mic preamps, comparable to stand-alone boutique preamps.
- Studio-grade compressors with super-easy "one-knob" functionality and control LED for professional vocal and instrumental sound.
- Built-in stereo USB/Audio Interface for direct connection to your computer.
- 8 total input channels.
- Compact and durable design.

3. WHAT'S IN THE BOX

Upon unpacking, please verify that all components listed below are present and in good condition:

- Behringer Q802USB 8-Input 2-Bus Mixer
- Power Adapter
- USB Cable
- User Manual (this document)

If any items are missing or damaged, please contact your retailer or Behringer customer support immediately.

4. PRODUCT OVERVIEW

Figure 4.1: Front view of the Behringer Q802USB mixer, showing all input channels, controls, and the main section.

Figure 4.2: Top-down view of the Behringer Q802USB mixer, highlighting the layout of knobs, faders, and input/output jacks.

Figure 4.3: Rear view of the Behringer Q802USB mixer, showing the power input, USB port, and serial number label.

5. SETUP

5.1 Power Connection

1. Ensure the mixer's power switch is in the OFF position.

2. Connect the included power adapter to the "AC POWER IN" port on the rear of the mixer.
3. Plug the power adapter into a suitable electrical outlet.

5.2 Audio Connections

The Q802USB offers various input and output options:

- **Microphone Inputs (Channels 1-2):** Use XLR cables to connect microphones to the MIC inputs. Ensure phantom power (+48V) is only enabled if your microphones require it (e.g., condenser microphones).
- **Line Inputs (Channels 1-2):** Use 1/4" TRS or TS cables for line-level instruments or devices.
- **Stereo Line Inputs (Channels 3/4, 5/6):** Use 1/4" TS cables for stereo instruments or playback devices.
- **Main Outputs:** Connect your main speakers or amplifier to the MAIN OUT (1/4" TRS) jacks.
- **Control Room Outputs:** Connect studio monitors to the CTRL ROOM OUT (1/4" TS) jacks.
- **Headphone Output:** Connect headphones to the PHONES (1/4" TRS) jack.

5.3 USB Connection

To use the Q802USB as an audio interface with your computer:

1. Connect one end of the USB cable to the USB port on the rear of the mixer.
2. Connect the other end of the USB cable to an available USB port on your computer.
3. The mixer should be recognized automatically by most modern operating systems. For advanced features or specific drivers, visit Behringer's official website.

6. OPERATING INSTRUCTIONS

6.1 Basic Operation

1. **Power On:** After all connections are made, switch the mixer's power to ON.
2. **Gain Control:** Adjust the GAIN knob for each input channel to set the input level. Aim for the signal to peak around 0 dB on the level meters during the loudest parts of your audio.
3. **Compressor (Channels 1-2):** Use the COMP knob to apply compression to microphone inputs. Turn clockwise to increase compression.
4. **Equalization (EQ):** Use the HIGH, MID, and LOW knobs on each channel to adjust the tonal balance.
5. **Level Faders/Knobs:** Adjust the LEVEL faders (or rotary knobs for stereo channels) to control the volume of each channel in the main mix.
6. **Main Mix:** Use the MAIN MIX fader to control the overall output volume of the mixer.
7. **Headphone/Control Room Level:** Adjust the PHONES/CTRL ROOM knob to set the monitoring volume.

6.2 USB Audio Interface Usage

When connected to a computer via USB, the Q802USB acts as a 2-in/2-out audio interface:

- **Recording:** The main mix output of the mixer is sent to your computer via USB. You can record this stereo signal in your digital audio workstation (DAW) software.
- **Playback:** Audio from your computer can be routed back to the mixer via USB. Use the 2-TRACK/USB TO MAIN MIX button to send this audio to the main mix, or 2-TRACK/USB TO PHONES/CTRL ROOM to send it only to your headphones/control room monitors.

7. MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your Behringer Q802USB mixer.

- **Cleaning:**

    - Always disconnect the power before cleaning.
    - Use a soft, dry, lint-free cloth to wipe down the exterior.
    - For stubborn dirt, a slightly damp cloth with mild soap can be used, followed by a dry cloth.
    - Avoid abrasive cleaners, solvents, or waxes, as they can damage the finish.

- **Storage:**

    - Store the mixer in a cool, dry place away from direct sunlight and extreme temperatures.
    - Protect it from dust and moisture when not in use, ideally with a dust cover.

- **Ventilation:** Ensure proper airflow around the unit. Do not block ventilation openings.
- **Cable Management:** Avoid tightly bending or crimping cables, especially near connectors, to prevent damage.

8. TROUBLESHOOTING

If you encounter issues with your Q802USB mixer, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
No power	Power cable not connected; power outlet faulty; mixer power switch off.	Check power cable connection; try a different outlet; ensure power switch is ON.
No sound output	Main Mix fader down; channel level knobs down; output cables disconnected; incorrect input selection.	Increase Main Mix fader; increase channel level knobs; check all audio cable connections; ensure correct input is selected.
Distorted sound	Input gain too high; output level too high; faulty cable.	Reduce input GAIN; reduce Main Mix fader; try different cables.
USB audio not working	USB cable disconnected; incorrect audio settings on computer; driver issue.	Check USB cable connection; verify audio input/output settings in your computer's sound preferences and DAW; install/update Behringer drivers if necessary.

If the problem persists after trying these solutions, please contact Behringer customer support.

9. SPECIFICATIONS

Feature	Detail
Product Dimensions	14 x 12.2 x 4.3 inches
Item Weight	2.2 pounds (approx. 1 Kilogram)
Number of Channels	8 (2 mono, 2 stereo)
Mic Preamps	2 x XENYX
Compressors	Studio-grade "one-knob" on mono channels
USB Interface	Built-in stereo USB/Audio Interface

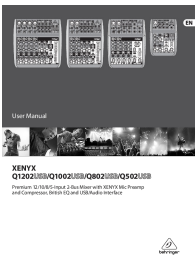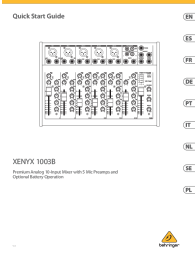| Feature	Detail
Connectivity Technology	USB
Power Source	Corded Electric
Model Number	Q802USB

10. WARRANTY AND SUPPORT

For detailed warranty information, please refer to the warranty card included with your product or visit the official Behringer website. Behringer provides comprehensive support for its products.
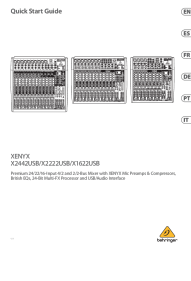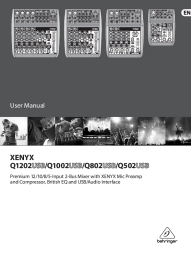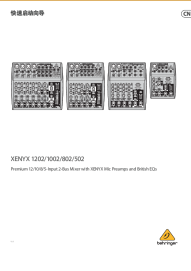
- **Online Support:** Visit Behringer Support for FAQs, driver downloads, and product registration.
- **Product Registration:** Register your product online to receive the latest updates and warranty information.
- **Contact:** For technical assistance or service, please contact Behringer customer service through their website.

You can also visit the official Behringer store on Amazon for more information and related products:Behringer Store.

Related Documents - Q802USB

	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.
	Behringer XENYX 302USB Quick Start Guide Get started quickly with the Behringer XENYX 302USB, a premium 5-input mixer featuring XENYX mic preamps and a USB/Audio interface. This guide provides essential setup and operational information.
	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 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 Q1202USB/Q1002USB/Q802USB/Q502USB Premium Mixer User Manual](#)

Comprehensive user manual for the Behringer XENYX Q1202USB, Q1002USB, Q802USB, and Q502USB premium 2-bus mixers. This guide details features, controls, installation, audio connections, specifications, and safety information for these versatile audio mixing consoles.

[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.