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› [Behringer XENYX 302USB Premium 5-Input Mixer User Manual](#)

Behringer 302USB

Behringer XENYX 302USB Premium 5-Input Mixer User Manual

Model: 302USB | Brand: Behringer

1. INTRODUCTION

The Behringer XENYX 302USB is an ultra-compact, low-noise analog mixer designed for a variety of audio applications, from home recording to live podcasting. It features a high-quality XENYX microphone preamp and a built-in USB/audio interface, allowing direct connection to your computer for recording and playback. Its small footprint makes it ideal for setups where space is limited.



Figure 1.1: Top view of the Behringer XENYX 302USB mixer, showing all controls and inputs/outputs.

2. KEY FEATURES

- **Ultra-Compact Design:** Small footprint (approx. 117 x 135 mm) ideal for portable use or limited desktop space.
- **XENYX Mic Preamp:** State-of-the-art, phantom-powered microphone preamp for transparent, high-quality audio.
- **USB/Audio Interface:** Built-in stereo USB interface for direct connection to PC or Mac, enabling recording and playback.
- **Versatile Inputs:** Features an XLR & 1/4-inch combination input, a stereo USB/Line channel, and a dedicated 2-Track

input.

- **British EQ:** Sublimely musical 2-band EQ on the Line/USB channel for sound shaping.
- **Flexible Power:** Can be powered directly via a laptop's USB socket or an included external power adapter.
- **Included Software:** Comes with free audio recording, editing, and podcasting software (Tracktion) plus 150 instrument/effect plug-ins.

3. SETUP AND CONNECTIONS

This section details how to connect your XENYX 302USB mixer to various audio sources and destinations.

3.1 Power Connection

The 302USB can be powered via its USB port from a computer or by using the included external power adapter. Connect the USB cable to your computer or the power adapter to a suitable power outlet and then to the mixer's USB port.

3.2 Input Connections

- **MIC IN:** Connect a microphone using an XLR cable to the combination XLR/TRS input. This input provides phantom power for condenser microphones.
- **LINE IN:** Connect stereo line-level sources (e.g., keyboard, media player) to the RCA LINE IN jacks.
- **2-TRACK IN:** Connect an external playback device (e.g., CD/DVD player, dedicated audio player) to the RCA 2-TRACK IN jacks.

3.3 Output Connections

- **MAIN MIX OUT:** Connect these RCA outputs to your monitoring system (e.g., powered speakers, amplifier).
- **HEADSET:** Connect headphones to the 3.5mm HEADSET jack.

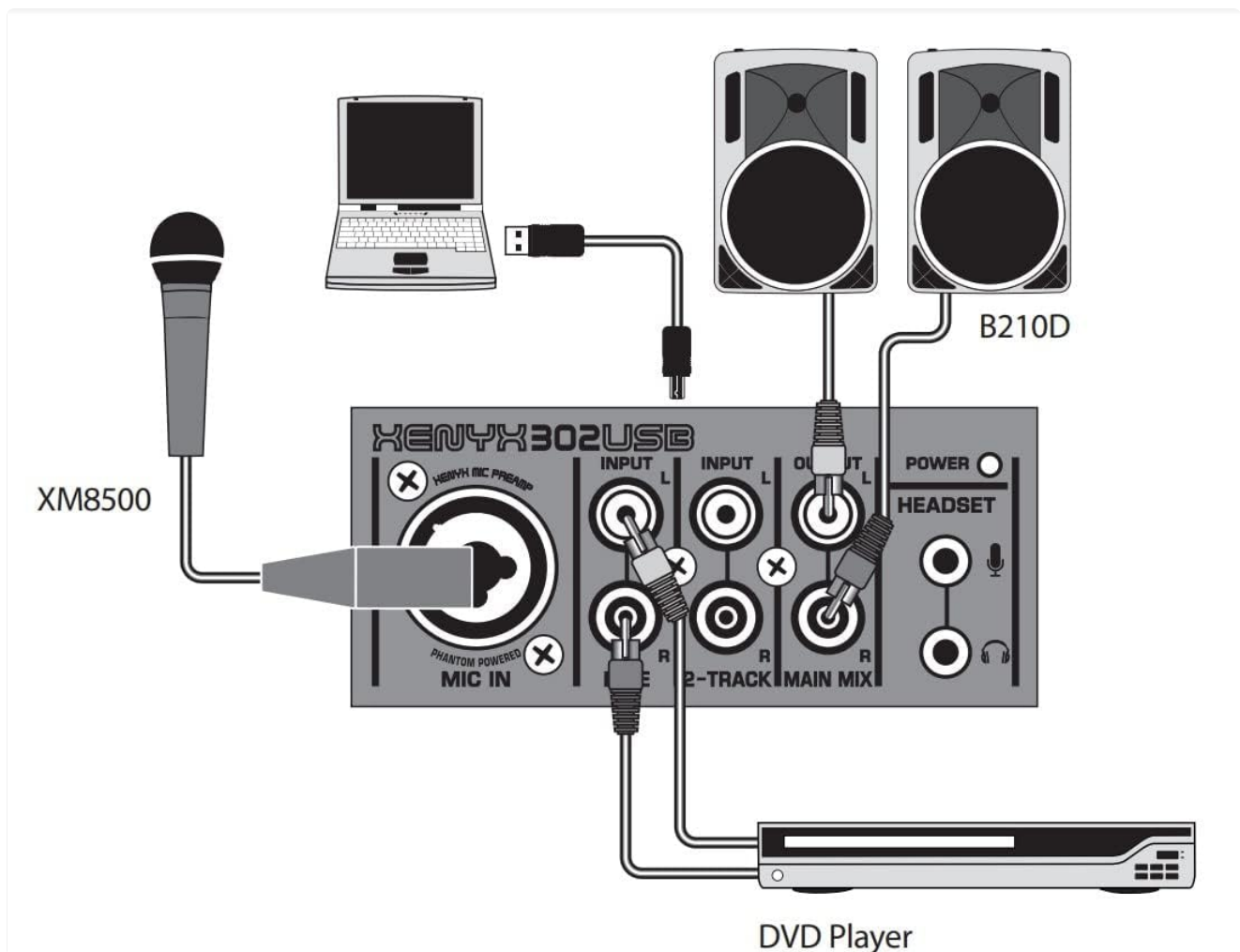


Figure 3.1: Basic setup diagram showing connections for a microphone, laptop (USB), powered speakers, and a DVD player.

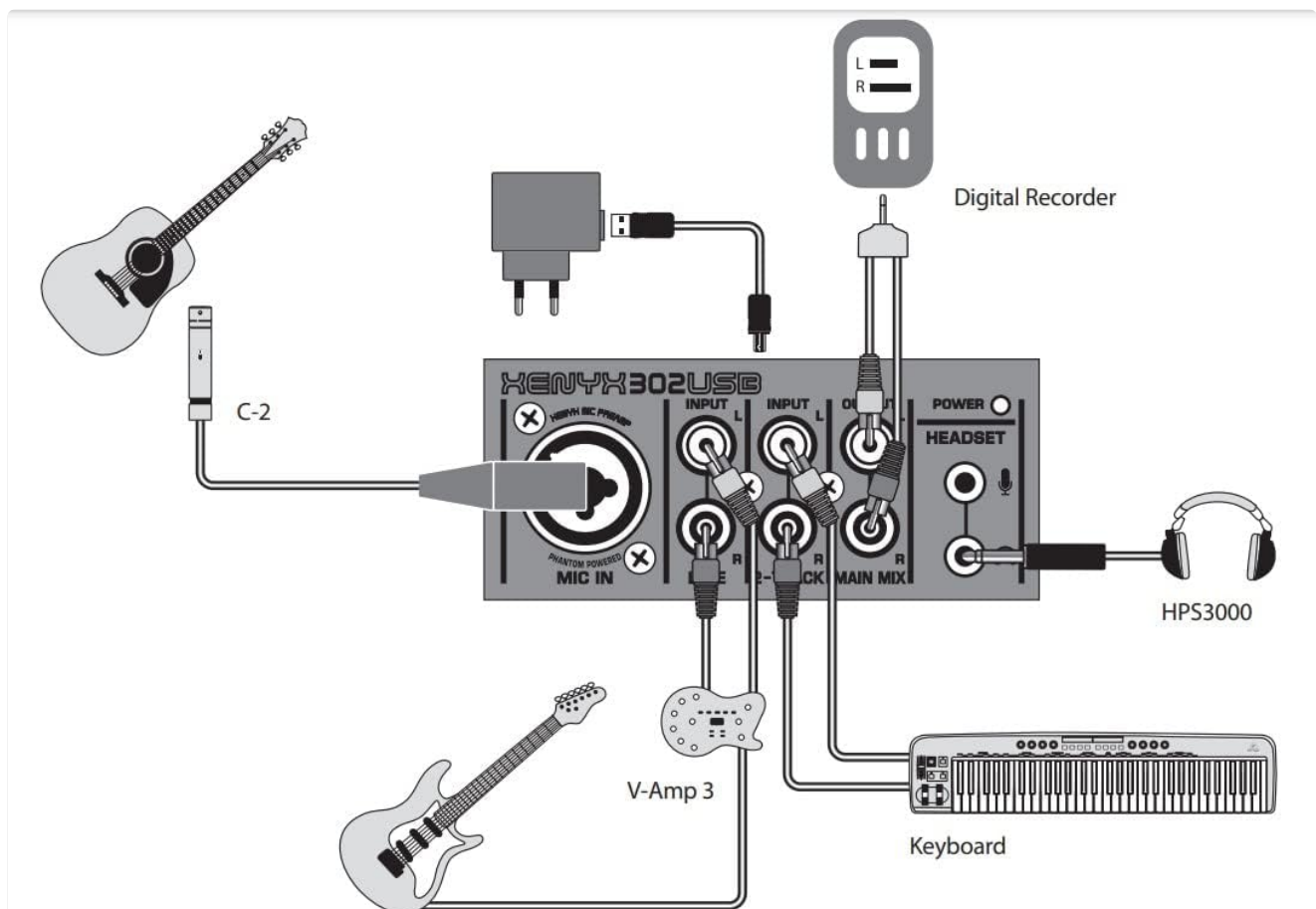


Figure 3.2: Advanced setup diagram illustrating connections for a guitar, keyboard, digital recorder, and headphones.

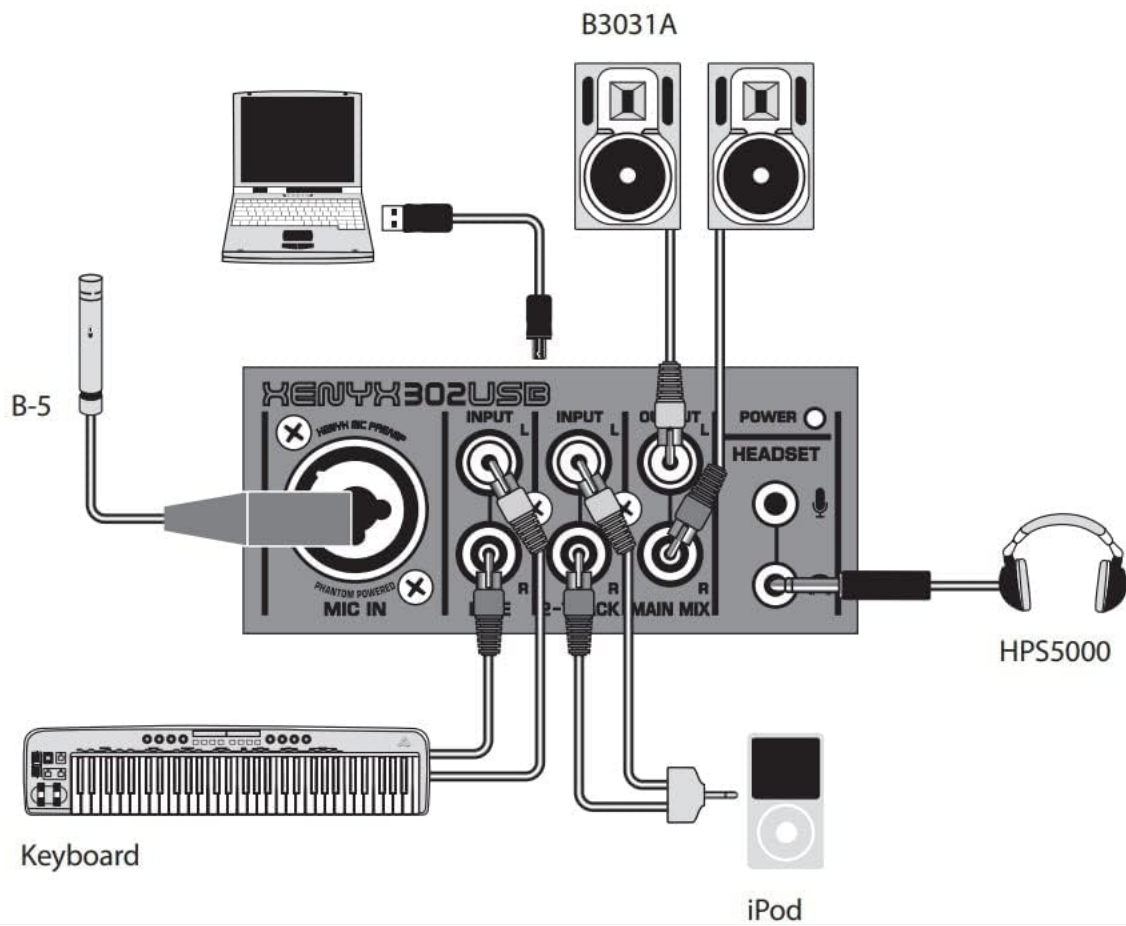


Figure 3.3: Podcasting setup diagram showing connections for a microphone, laptop (USB), headphones, and an iPod.

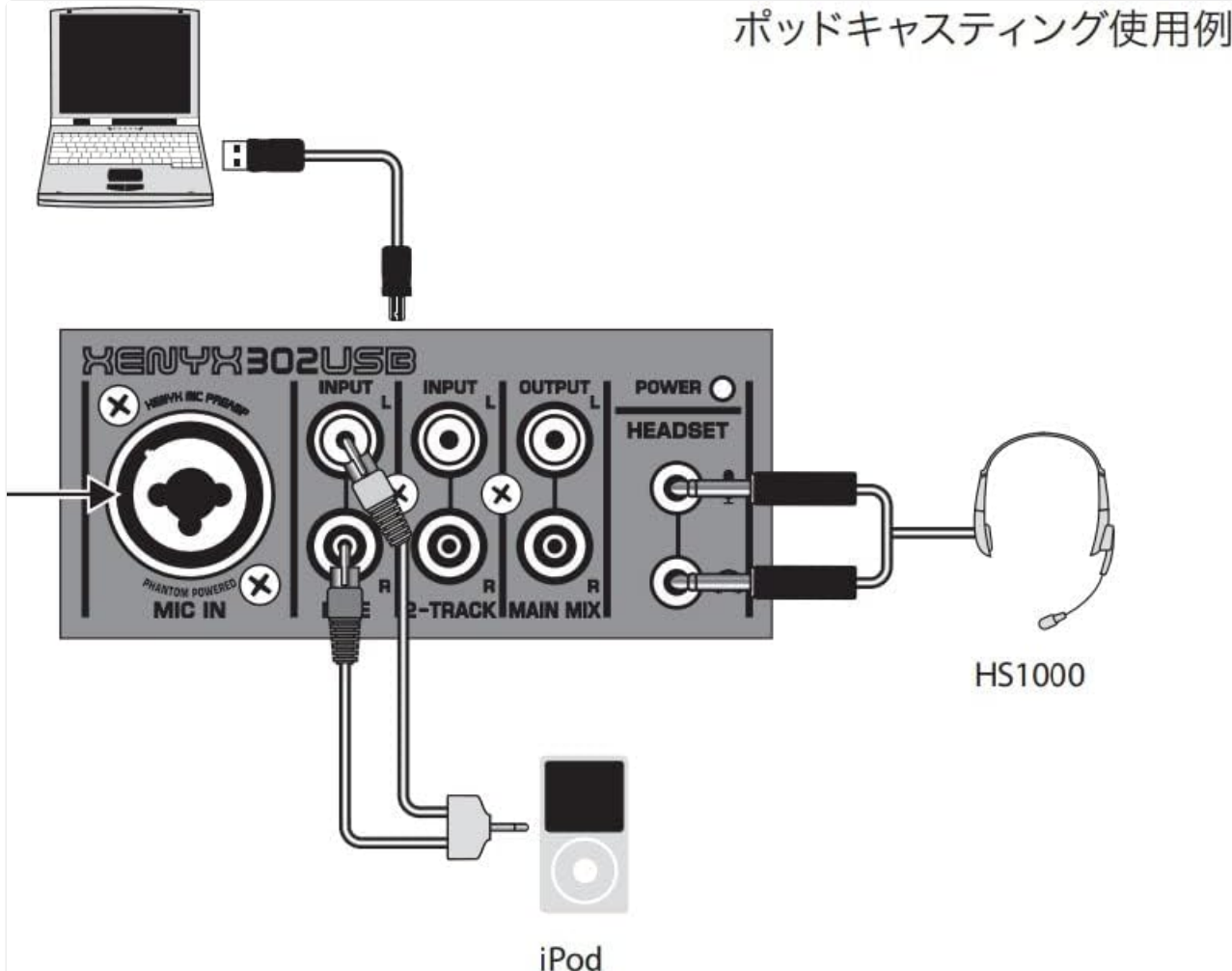


Figure 3.4: Studio setup diagram with connections for a microphone, laptop (USB), studio monitors, headphones, a keyboard, and an iPod.

4. OPERATING THE MIXER

Understanding the controls and signal flow is essential for optimal performance.

4.1 Controls Overview

- **GAIN (MIC):** Adjusts the input sensitivity for the microphone channel. Use this to set a healthy signal level without clipping.
- **LOW/HIGH (LINE/USB EQ):** Two-band equalizer for the Line/USB channel, allowing adjustment of bass and treble frequencies.
- **PAN (MIC):** Pans the microphone signal between the left and right channels of the main mix.
- **BAL (LINE/USB):** Balances the stereo signal of the Line/USB channel between left and right.
- **MIC Level:** Controls the output level of the microphone channel to the main mix.
- **LINE/USB Level:** Controls the output level of the Line/USB channel to the main mix.
- **MAIN MIX Level:** Controls the overall output level of the main mix to the MAIN MIX OUT jacks.
- **PHONES Level:** Controls the volume of the headphones output.

4.2 Indicators

- **POWER LED:** Illuminates when the mixer is receiving power.
- **SIG/CLIP LEDs:** Indicate signal presence (SIG) and clipping (CLIP) for the left and right channels. Adjust input gain to avoid consistent clipping.
- **USB LED:** Illuminates when the USB interface is active and connected to a computer.

4.3 Signal Routing

- **LINE IN to USB Play:** This switch routes the signal from the LINE IN jacks to the USB output for recording on your computer.
- **MAIN MIX to PHONES:** This switch routes the main mix signal to the headphones output.
- **2-TRACK to MAIN MIX/PHONES:** This switch routes the signal from the 2-TRACK IN to either the main mix or the headphones output, depending on the position.



Figure 4.1: Angled view of the mixer, highlighting the various knobs and faders for control.

5. MAINTENANCE

Proper care ensures the longevity and performance of your mixer.

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the mixer. Avoid abrasive cleaners or solvents.
- **Environment:** Operate and store the mixer in a clean, dry environment, away from direct sunlight, excessive heat, moisture, and dust.
- **Ventilation:** Ensure proper ventilation around the unit to prevent overheating.
- **Cable Management:** Avoid putting strain on cables and connectors. Disconnect cables by pulling the plug, not the cable itself.

6. TROUBLESHOOTING

If you encounter issues, try these basic troubleshooting steps before seeking professional assistance.

- **No Sound Output:**
 - Check all cable connections (inputs, outputs, power).
 - Ensure all level knobs (GAIN, MIC, LINE/USB, MAIN MIX, PHONES) are turned up.
 - Verify that your monitoring system (speakers, headphones) is powered on and functioning.
 - Check the signal routing switches (e.g., MAIN MIX to PHONES).
- **Distorted Sound:**
 - Reduce input GAIN to prevent the CLIP LED from illuminating consistently.
 - Lower the channel level or MAIN MIX level.
 - Check for damaged cables.
- **USB Not Recognized by Computer:**
 - Ensure the USB cable is securely connected to both the mixer and the computer.
 - Try a different USB port on your computer.
 - Install the latest drivers from the Behringer website.
 - Restart your computer and the mixer.
- **Phantom Power Issue:**
 - Ensure the mixer is powered on. The XENYX 302USB's phantom power is always active on the MIC IN. If a condenser mic isn't working, check the mic and cable.

7. SPECIFICATIONS

Feature	Specification
Product Dimensions	13.59 x 11.4 x 4.6 cm
Item Model Number	302USB
Body Material	Composite
Colour Name	Black
Connector Type	USB; 1 x XLR/TRS; 1 x 3.5mm
Hardware Interface	USB 2.0
Country Produced In	Germany
Mixer Channel Quantity	5
Power Source	Corded Electric
Voltage	15 Volts
Item Weight	380 g
Number of Channels	5

Connectivity Technology	Cable (XLR, TRS, RCA)
Output Connector Type	XLR
Audio Input	XLR (Mono) & Stereo
Noise Level	130 dB


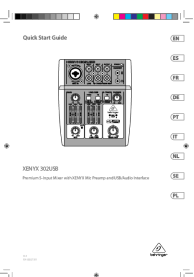
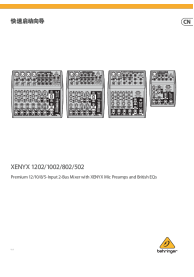
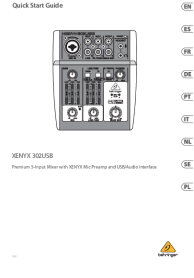
8. WARRANTY AND SUPPORT

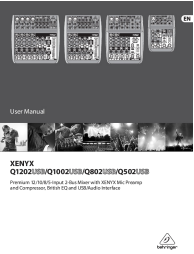
Behringer offers a generous 3-Year Warranty program for its products, reflecting confidence in their manufacturing quality. For detailed warranty terms and conditions, please refer to the official Behringer website.

For technical support, driver downloads, software updates, and additional resources, please visit the official Behringer website. A comprehensive library of resources is available to assist you with your product.

Official Website: www.behringer.com

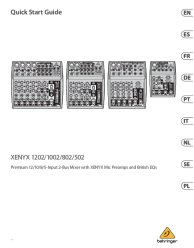
Related Documents - 302USB

	<p>Behringer XENYX 302USB Quick Start Guide</p> <p>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.</p>
	<p>Behringer XENYX 302USB Quick Start Guide</p> <p>This guide provides essential setup and operational information for the Behringer XENYX 302USB, a premium 5-input mixer featuring a XENYX Mic Preamp and USB/Audio Interface.</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 302USB Quick Start Guide</p> <p>A concise quick start guide for the Behringer XENYX 302USB, a premium 5-input mixer with XENYX Mic Preamp and USB/Audio Interface. Learn how to set up and use your mixer for various applications.</p>



[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 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.