

Behringer XENYX 1002SFX

Behringer Xenyx 1002SFX

10-CHANNEL ANALOG STREAMING MIXER USER MANUAL

1. Introduction

The Behringer Xenyx 1002SFX is a versatile 10-channel analog mixer designed for a wide range of audio applications, including live sound, recording, and streaming. It features two high-quality Xenyx microphone preamps, a 3-band 'British' EQ on each mono channel, and a built-in FX processor for adding professional effects to your audio. With its USB connectivity, the 1002SFX is also ideal for integrating into computer-based recording and streaming setups.

This manual provides essential information for setting up, operating, maintaining, and troubleshooting your Xenyx 1002SFX mixer, ensuring optimal performance and longevity.

2. Safety Instructions

Always observe the following safety precautions to reduce the risk of electric shock, fire, or injury:

- **Power Supply:** Use only the power adapter supplied with the unit. Ensure the voltage matches your local power supply. Disconnect the power cord by pulling the plug, not the cable.
- **Moisture:** Do not expose this appliance to rain or moisture. Do not place objects filled with liquids, such as vases, on the apparatus.
- **Ventilation:** Ensure proper ventilation. Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
- **Heat:** Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
- **Cleaning:** Clean only with a dry cloth.
- **Servicing:** Do not attempt to service this product yourself. Refer all servicing to qualified service personnel.

3. Product Overview

The Behringer Xenyx 1002SFX mixer features a comprehensive layout for intuitive control over your audio. Below is an illustration of the mixer's front panel with key components highlighted.



Figure 3.1: Front panel view of the Behringer Xenyx 1002SFX mixer, showing all inputs, outputs, and control knobs.

Key Components:

- **MIC 1/2 Inputs:** XLR inputs for microphones, featuring Xenyx preamps and switchable +48V phantom power.
- **LINE IN (Mono/Stereo):** 1/4" TRS inputs for line-level sources such as keyboards, drum machines, or other audio devices.
- **GAIN Control:** Adjusts the input sensitivity for microphone channels.
- **EQ (High, Mid, Low):** 3-band equalizer for shaping the tone of each channel.
- **FX Send:** Sends a portion of the channel signal to the internal effects processor.
- **LEVEL Control:** Adjusts the output level of each channel.
- **PAN Control:** Positions the mono channel signal within the stereo field.

- **MAIN OUT:** Stereo RCA and 1/4" TRS outputs for connecting to main speakers or recording devices.
- **STREAM USB/RCA:** USB port for computer connectivity and RCA inputs/outputs for streaming devices.
- **PHONES/MONITOR OUT:** 1/4" TRS output for headphones and monitor speakers.
- **FX Processor:** Integrated digital effects unit with various presets (reverb, delay, chorus, etc.).
- **MAIN Fader:** Controls the overall output level of the mixer.

4. Setup

Follow these steps to set up your Behringer Xenyx 1002SFX mixer:

1. **Unpacking:** Carefully remove the mixer and all accessories from the packaging. Retain the packaging for future transport or storage.
2. **Placement:** Place the mixer on a stable, flat surface. Ensure adequate ventilation around the unit.
3. **Power Connection:** Connect the supplied power adapter to the mixer's power input and then to a suitable AC outlet. Ensure the mixer's power switch is in the OFF position before connecting.
4. **Connecting Microphones:** Connect microphones to the XLR inputs (MIC 1, MIC 2). If using condenser microphones, activate the +48V phantom power switch.
5. **Connecting Line Sources:** Connect line-level instruments or devices (e.g., keyboards, media players) to the 1/4" LINE IN jacks. Use stereo pairs for stereo sources.
6. **Connecting Main Outputs:** Connect the MAIN OUT (1/4" TRS or RCA) to your powered speakers, amplifier, or recording interface.
7. **Connecting Monitors/Headphones:** Connect your headphones to the PHONES output and/or monitor speakers to the MONITOR OUT.
8. **USB Connection (Optional):** For computer recording or streaming, connect a USB cable from the mixer's USB port to your computer. The mixer will typically be recognized as an audio device without additional drivers.



Figure 4.1: Illustrative image showing the approximate dimensions of the Behringer Xenyx 1002SFX mixer, indicating its compact size.

5. Operating Instructions

Once your mixer is set up, follow these guidelines for operation:

1. **Power On:** Turn on your mixer. It is recommended to turn on the mixer before connecting amplifiers or

powered speakers, and turn them off last.

2. **Gain Staging:** For each input channel, speak or play into the microphone/instrument at your loudest expected level. Adjust the GAIN control until the CLIP LED briefly flashes, then back it off slightly. This ensures optimal signal-to-noise ratio without distortion.
3. **Equalization (EQ):** Use the HIGH, MID, and LOW controls to shape the tone of each channel. Adjust to enhance desired frequencies or cut unwanted ones.
4. **FX Processing:** Press the PROGRAM button to cycle through the available effects presets. Adjust the FX control on each channel to send the desired amount of signal to the effects processor. The FX TO MAIN control adjusts the overall level of the effects return to the main mix.
5. **Level and Pan:** Adjust the LEVEL control for each channel to balance its volume within the mix. Use the PAN control to position the sound source in the stereo field (left or right).
6. **Main Mix:** Use the MAIN fader to control the overall output volume of your mix. Monitor your levels using the main level meters.
7. **Monitoring:** Adjust the PHONES/MONITOR control to set the listening volume for your headphones or monitor speakers.
8. **Streaming/USB:** The STREAM USB/RCA section allows for direct connection to streaming devices or computers. Ensure your computer's audio settings are configured to use the Xenyx 1002SFX as its input/output device.

6. Maintenance

Proper maintenance ensures the longevity and reliable operation of your mixer:

- **Cleaning:** Disconnect the power before cleaning. Use a soft, dry cloth to wipe the exterior of the mixer. Avoid using abrasive cleaners, solvents, or waxes.
- **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 for protection.
- **Environmental Conditions:** Avoid exposing the mixer to excessive dust, dirt, moisture, or vibrations, which can damage internal components.

7. Troubleshooting

If you encounter issues with your Xenyx 1002SFX, try the following troubleshooting steps:

- **No Sound Output:**
 - Check all cable connections (inputs, outputs, power).
 - Ensure the MAIN fader and individual channel LEVEL controls are turned up.
 - Verify that your connected speakers/amplifier are powered on and functioning correctly.
 - Check the PHONES/MONITOR level if using headphones or monitor speakers.
- **Distorted Sound:**
 - Reduce the GAIN control on the input channel if the CLIP LED is constantly lit.
 - Lower the individual channel LEVEL or MAIN fader.
 - Ensure your connected devices (microphones, instruments) are not outputting an excessively hot signal.
- **Hum or Noise:**
 - Check for ground loops. Try connecting all audio equipment to the same power strip.

- Ensure all cables are in good condition and properly shielded.
- Keep audio cables away from power cables.

- **USB Connectivity Issues:**

- Ensure the USB cable is securely connected to both the mixer and the computer.
- Verify that the mixer is selected as the audio input/output device in your computer's sound settings and recording software.
- Try a different USB port on your computer.

- **Power Supply Concern:** The Behringer Xenyx 1002SFX uses a specific power supply. If the original power supply is lost or damaged, contact Behringer support or an authorized dealer for a compatible replacement to ensure proper operation and avoid damage to the unit.

8. Specifications

Feature	Specification
Item Weight	4.14 pounds (1880 Grams)
Product Dimensions	4.88 x 12.68 x 10.83 inches
Number of Channels	10
Connectivity Technology	USB
Power Source	Corded Electric
Model Number	XENYX 1002SFX

9. Warranty and Support

Behringer products are designed for reliability and performance. For detailed information regarding warranty coverage, terms, and conditions, please refer to the warranty card included with your product or visit the official Behringer website. For technical support, service, or to find authorized service centers, please visit www.behringer.com and navigate to the support section.

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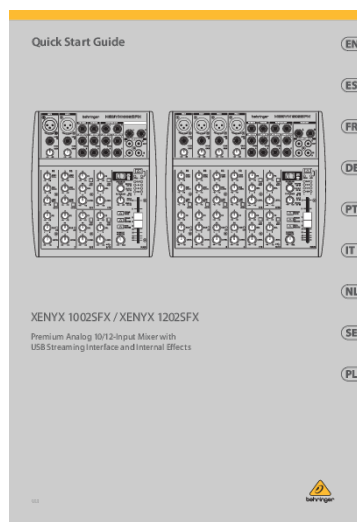
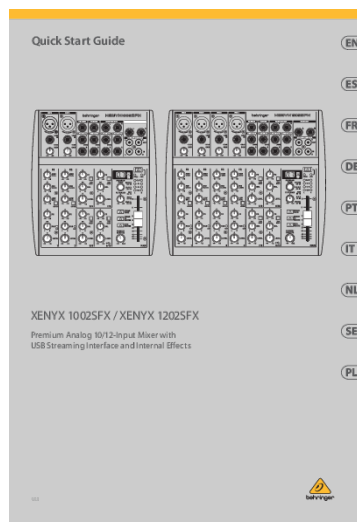
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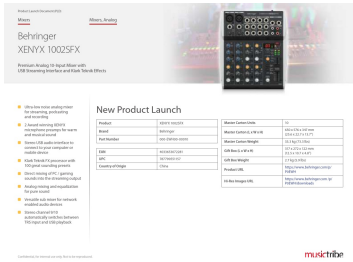
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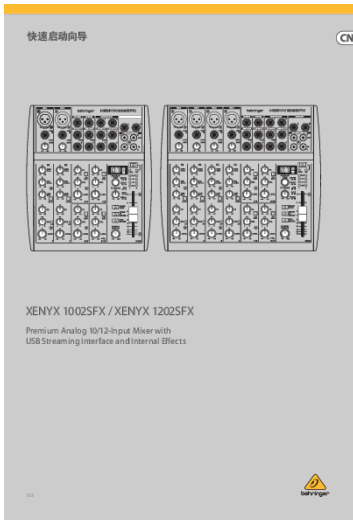
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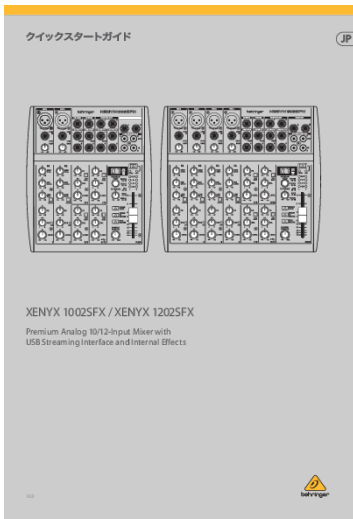
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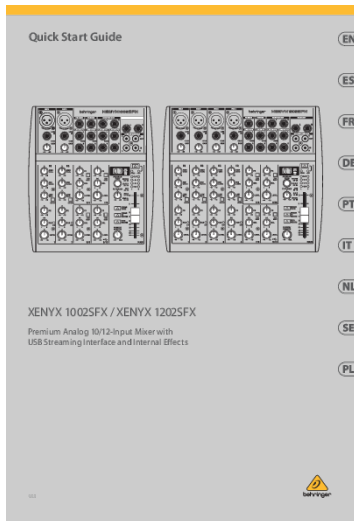
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Get started quickly with the Behringer XENYX 1002SFX and XENYX 1202SFX premium analog mixers. This guide provides essential setup information for these versatile 10/12-input mixers featuring USB streaming and internal effects.

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