**Behringer UB2222FX-PRO**

# Behringer EURORACK UB2222FX-PRO Mixer User Manual

Ultra-Low Noise Design 22-Input 2/2-Bus Mic/Line Mixer with Premium Mic Preamplifiers and Multi-FX Processor

Introduction    Safety

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## 1. INTRODUCTION

The Behringer EURORACK UB2222FX-PRO is a 22-input, 2/2-bus mic/line mixer designed for professional audio applications. It features ultra-low noise design, premium mic preamplifiers, and an integrated 24-bit multi-FX processor. This manual provides essential information for the safe and efficient operation of your mixer.

## 2. IMPORTANT SAFETY INSTRUCTIONS

- **Power Supply:** Ensure the correct voltage is used. Connect the power cable securely.
- **Moisture:** Do not expose the unit to rain or moisture. Avoid placing liquid-filled objects on the mixer.
- **Ventilation:** Ensure adequate ventilation. Do not block ventilation openings.
- **Servicing:** Refer all servicing to qualified service personnel. Do not attempt to service the unit yourself.
- **Cleaning:** Clean only with a dry cloth.
- **Placement:** Place the unit on a stable surface. Avoid extreme temperatures.

## 3. SETUP

### 3.1 Unpacking

Carefully unpack your EURORACK UB2222FX-PRO mixer and inspect it for any signs of damage during transit. Retain the original packaging for future transport or storage.

Image: Included accessories for the UB2222FX-PRO mixer, showing rack mounting ears and the power cable. These are used for installation and power connection.

The mixer comes with rack mounting ears, allowing it to be installed in a standard 19-inch equipment rack. Attach these securely using the provided screws if rack mounting is desired.

## 3.2 Connections

Before connecting any audio sources or power, ensure the mixer is powered off.



Image: Rear panel of the Behringer UB2222FX-PRO mixer. This view highlights the power input, main XLR outputs, 1/4-inch sub outputs, control room outputs, and individual channel insert points for external effects processing.

- **Microphone Inputs (XLR):** Connect microphones to the XLR inputs on channels 1-8. These inputs feature IMP (Invisible Mic Preamps) and provide phantom power (switchable).

- **Line Inputs (1/4" TRS/TS):** Connect line-level sources such as keyboards, drum machines, or other audio devices to the 1/4" inputs. Channels 1-8 have mono line inputs, while channels 9/10 through 15/16 are stereo line inputs.

- **Main Outputs (XLR):** Connect these to your main PA system or recording interface.

- **Sub Outputs (1/4" TS):** Use these to send a sub-mix to a separate amplifier, recording device, or monitor system.

- **Control Room Out (1/4" TS):** Connect to your studio monitors for critical listening.

- **Aux Sends/Returns (1/4" TS):** Connect external effects processors or monitor systems.

- **Channel Inserts (1/4" TRS):** For connecting external dynamics processors (compressors, gates) to individual mono channels.

## 3.3 Power Connection

Connect the supplied power cable to the AC inlet on the rear panel of the mixer and then to a suitable power outlet. Ensure the power switch is in the OFF position before connecting.

# 4. OPERATING INSTRUCTIONS

This section details the primary controls and functions of the EURORACK UB2222FX-PRO mixer.



Image: Detailed top view of the Behringer UB2222FX-PRO mixer, illustrating the layout of all input channels, EQ sections, auxiliary sends, pan controls, mute buttons, channel faders, and the master section with the integrated FX processor display.

## 4.1 Channel Strip Overview (Mono Channels 1-8)

- **GAIN Control:** Adjusts the input sensitivity for the microphone or line input. Set this to achieve a healthy signal level without clipping (indicated by the CLIP LED).

- **LOW CUT Button:** Engages a high-pass filter to remove unwanted low-frequency rumble.

- **EQ Section:**

  - **HIGH:** Adjusts treble frequencies.
  - **MID:** Semi-parametric mid-range control. The **FREQ** knob selects the center frequency, and the **MID** knob boosts or cuts it.
  - **LOW:** Adjusts bass frequencies.

- **AUX Sends (PRE/POST):**

  - **AUX 1 (PRE):** Pre-fader send, typically used for monitor mixes.

- - **AUX 2 (PRE/POST):** Switchable pre/post-fader send for monitoring or external effects.
    - **FX (POST):** Post-fader send, dedicated to the internal effects processor or external effects.
  - **PAN Control:** Positions the channel's signal within the stereo field (left to right).
  - **MUTE Button:** Silences the channel.
  - **MAIN Fader:** Controls the channel's level sent to the main mix.

## 4.2 Stereo Channels (9/10 - 15/16)

These channels are designed for stereo line-level sources and feature simplified controls, including gain, 3-band EQ, AUX sends, balance, mute, and fader.

## 4.3 Main Section

- **FX Processor:** The integrated 24-bit digital stereo FX processor offers 99 VIRTUALIZER presets. Use the program selector and display to choose effects like reverb, chorus, flanger, delay, and pitch shifter. The FX send control adjusts the amount of signal sent to the processor.
- **AUX Returns:** Controls the level of the returned signal from external effects or monitor mixes.
- **Main Mix Faders:** Control the overall output level of the main stereo mix.
- **Subgroup Faders (SUB 1-2):** Control the output level of the two subgroups. Channels can be routed to these subgroups for flexible mixing.
- **Control Room/Phones:** Adjusts the level for the control room outputs and headphone output.

## 5. MAINTENANCE

- **Cleaning:** Disconnect the power before cleaning. Use a soft, dry, lint-free cloth to wipe the surface of the mixer. Avoid abrasive cleaners or solvents.
- **Storage:** When not in use for extended periods, store the mixer in a cool, dry place, preferably in its original packaging or a protective case, to prevent dust accumulation and physical damage.
- **Fader and Knob Care:** Avoid excessive force when operating faders and knobs. Periodically check for smooth operation.

## 6. TROUBLESHOOTING

| Problem | Possible Cause | Solution |
| --- | --- | --- |
| No power | Power cable disconnected; 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 faders down; channel faders down; mute engaged; incorrect input/output connections. | Raise main mix and channel faders; disengage mute; verify all audio connections. |
| Distorted sound | Input GAIN too high; output level too high; faulty cable. | Reduce input GAIN; lower output levels; test with different cables. |
| No effect from FX processor | FX send level too low; FX return level too low; incorrect program selected. | Increase FX send and return levels; select an appropriate FX program. |

| Problem | Possible Cause | Solution |
|---------|---------------|----------|
| Hum or noise | Ground loop; faulty cables; interference from other equipment. | Check grounding; replace cables; separate audio cables from power cables. |

## 7. TECHNICAL SPECIFICATIONS

- **Model:** UB2222FX-PRO

- **Channels:** 22 (8 mono, 4 stereo)

- **Mic Preamps:** 8 x IMP "Invisible" Mic Preamps

- **EQ:** 3-band with semi-parametric mid on mono channels

- **FX Processor:** 24-bit digital stereo with 99 VIRTUALIZER presets

- **Aux Sends:** 3 per channel (1 pre, 1 pre/post switchable, 1 post FX)

- **Subgroups:** 2 with separate outputs

- **Dimensions (H x W x D):** Approximately 3.54 x 16.93 x 13.98 inches (89.9 x 430 x 355 mm)

- **Weight:** Approximately 12.04 lbs (5.46 kg)

- **Connectivity Technology:** Auxiliary

- **Audio Input:** Auxiliary

## 8. WARRANTY AND SUPPORT

For detailed warranty information and technical support, please refer to the official Behringer website or contact your local Behringer distributor. Keep your purchase receipt as proof of purchase.
**Online Support:** www.behringer.com/support