

## Behringer UMC404HD

# Behringer UMC404HD Audiophile 4x4, 24-Bit/192 kHz USB Audio/MIDI Interface User Manual

Your guide to setting up, operating, and maintaining your UMC404HD interface.

## 1. INTRODUCTION

The Behringer U-PHORIA UMC404HD is a high-performance 4x4 USB 2.0 audio/MIDI interface designed for recording microphones and instruments. Featuring world-class Midas-designed mic preamplifiers and studio-grade 24-Bit/192 kHz converters, it delivers exceptional sound quality for professional and home studio applications. This manual provides essential information for proper setup, operation, and care of your device.

## 2. KEY FEATURES

- USB 2.0 Audio Interface with 4 Preamps MIDI I/O - macOS/Windows compatibility.
- 24-bit/192kHz audio resolution for professional recording quality.
- 4-in/4-out configuration for versatile connectivity.
- Four Midas-designed mic preamplifiers with +48V phantom power.
- Direct monitoring for zero-latency performance.
- Dedicated headphone output with level control.

## 3. SETUP

### 3.1 Package Contents

- UMC404HD 4x4 24-Bit/192 kHz USB Audio/MIDI Interface
- USB Cable
- Power Adapter
- User Manual (this document)

### 3.2 Connecting the UMC404HD

1. **Power Connection:** Connect the included power adapter to the DC IN port on the rear panel of the UMC404HD and plug it into a power outlet. The interface requires external power to operate.

3. **Audio Outputs:** Connect your studio monitors or headphones to the main outputs (XLR or 1/4" TRS) on the rear panel for audio playback. The UMC404HD also features RCA playback outputs for additional monitoring options.



## 4.1 Input Connections

- **XLR:** For microphones.
- **1/4" TRS/TS:** For line-level or instrument-level signals. Use the 'LINE/INST' switch to select the appropriate input type.
- **PAD:** Engage the PAD button if your input signal is too hot and causing clipping. This attenuates the signal by a fixed amount.

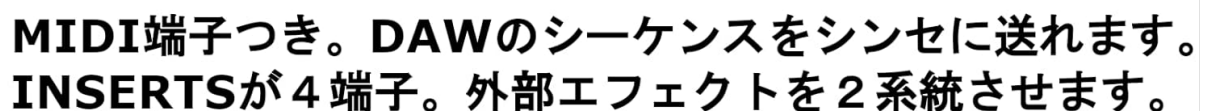


Figure 3: Close-up of the UMC404HD's combo inputs with Midas preamps and associated controls.

## 4.2 Gain Control and Signal Indicators

Each input channel has a dedicated GAIN knob to adjust the input level. The 'SIG' (Signal) LED illuminates when an audio signal is present, and the 'CLIP' LED indicates that the input signal is too high and causing distortion. Adjust the GAIN knob to ensure the 'CLIP' LED does not light up frequently.

## 4.3 Phantom Power

The UMC404HD provides +48V phantom power for condenser microphones. The phantom power switch is located on the rear panel. Ensure phantom power is only activated when using microphones that require it.

## 4.4 Monitoring

- **Direct Monitor:** Engage the 'DIRECT MONITOR' switch on the front panel for zero-latency monitoring of your input signals. This allows you to hear your performance directly without any delay from your computer.
- **Mix Knob:** The 'MIX' knob balances the level between your direct input signal and the playback from your computer.
- **Monitor A/B:** This switch allows you to select between two different monitor output pairs (A or B) for flexible monitoring setups.
- **Phones:** Connect your headphones to the 1/4" PHONES output and adjust the dedicated PHONES knob for comfortable monitoring.

## 4.5 Main Outputs

The 'MAIN OUT' knob controls the overall output level to your studio monitors connected via the XLR or 1/4" TRS outputs on the rear panel.

## 4.6 MIDI Connectivity

The UMC404HD includes MIDI In and Out ports on the rear panel. These allow you to connect MIDI devices such as keyboards, controllers, or sound modules to your computer for recording and playback of MIDI data.

Video 1: Official product video demonstrating the Behringer UMC404HD Audiophile interface, highlighting its features and connectivity.

# 5. MAINTENANCE

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- **Cleaning:** Use a soft, dry cloth to clean the exterior of the device. Avoid using abrasive cleaners or solvents.
- **Storage:** Store the UMC404HD in a cool, dry place away from direct sunlight and extreme temperatures.
- **Handling:** Handle the device with care to prevent damage to knobs, switches, and connectors.

# 6. TROUBLESHOOTING

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- **No Sound:**
  - Check all cable connections (USB, power, inputs, outputs).
  - Ensure the UMC404HD is selected as the audio input/output device in your computer's sound settings and DAW.
  - Verify gain levels on the interface and in your software.
  - Check headphone and main output volume knobs.
- **Clipping/Distortion:**
  - Reduce the GAIN knob for the affected input.
  - Engage the PAD button if available for the input.

- Ensure your microphone or instrument output level is not excessively high.
- **Phantom Power Not Working:**
  - Ensure the +48V switch on the rear panel is set to ON.
  - Confirm your microphone requires phantom power.
- **MIDI Issues:**
  - Check MIDI cable connections.
  - Verify MIDI device settings in your DAW.

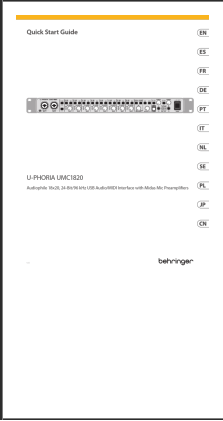
## 7. SPECIFICATIONS

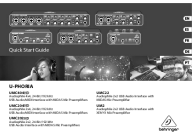
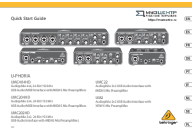


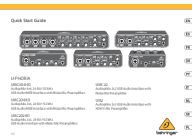
Item Weight	2.65 pounds
Product Dimensions	1.1 x 9.7 x 6.5 inches
Item Model Number	UMC404HD
Compatible Devices	Keyboard
Hardware Interface	USB
Supported Software	Windows, Mac OS
Operating System	Windows
Connectivity Technology	USB
Number of Channels	4

## 8. WARRANTY AND SUPPORT

Behringer products are designed for reliability and performance. For detailed warranty information and technical support, please refer to the official Behringer website or contact their customer service. Keep your proof of purchase for any warranty claims.

### Related Documents - UMC404HD

	<p><a href="#">Behringer U-PHORIA UMC1820: Quick Start Guide for USB Audio Interface</a></p> <p>Get started quickly with the Behringer U-PHORIA UMC1820, an audiophile 18x20 USB Audio/MIDI Interface featuring Midas Mic Preamplifiers. This guide provides essential setup and operation information.</p>
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	<p><a href="#">Behringer U-PHORIA UMC Series USB Audio Interfaces Quick Start Guide</a></p> <p>Quick Start Guide for Behringer U-PHORIA UMC404HD, UMC204HD, UMC202HD, UMC22, and UM2 USB audio interfaces. Includes setup, controls, and specifications.</p>
	<p><a href="#">Behringer U-PHORIA Audio Interfaces: Quick Start Guide</a></p> <p>A concise guide to setting up and using Behringer U-PHORIA audio interfaces, including models UMC404HD, UMC204HD, UMC202HD, UMC22, and UM2. Learn about connections, controls, and basic operation.</p>
	<p><a href="#">Behringer U-PHORIA UMC1820 Quick Start Guide</a></p> <p>A concise HTML guide for the Behringer U-PHORIA UMC1820, an audiophile 18 x 20, 24-Bit/96 kHz USB Audio/MIDI Interface featuring MIDAS Mic Preamplifiers. This guide covers essential setup, control explanations, and getting started instructions.</p>
	<p><a href="#">Behringer U-PHORIA UMC Series Audio Interfaces: Quick Start Guide</a></p> <p>This guide provides essential information for setting up and using Behringer's U-PHORIA UMC series USB audio interfaces, including models UMC404HD, UMC204HD, UMC202HD, UMC22, and UM2. It covers safety precautions, connection diagrams, control descriptions, usage instructions, and technical specifications.</p>
	<p><a href="#">Behringer U-PHORIA Series Audio Interfaces: Quick Start Guide</a></p> <p>A quick start guide for Behringer U-PHORIA series audio interfaces, including models UMC404HD, UMC204HD, UMC202HD, UMC22, and UM2. This guide covers setup, connections, controls, and important safety information.</p>