

BOMGE U204

BOMGE U204 USB Audio Interface User Manual

Model: U204

INTRODUCTION

This manual provides comprehensive instructions for the setup, operation, and maintenance of your BOMGE U204 USB Audio Interface. Please read this manual thoroughly before using the device to ensure proper functionality and safety.

SAFETY PRECAUTIONS

- Carefully read the safety precautions for the USB power adapter and Type-C data cable you use.
- USB power adapter and Type-C data cable Standard: Output voltage: 4.8V to 5.2V. Output current: 2A.
- The POWER SOURCE Switching: Switch different connection modes. When a data connection is required, switch to USB 2.0, so that the mixing console signal can be transmitted between PC, MAC, IOS, and some Android devices.
- Use 48V phantom power: When using a condenser microphone, you must use XLR TO XLR to connect to the audio interface to enable 48V. The JACK input does not support 48V.
- Monitor connection: Try to use 6.35mm (JACK) headphones for monitoring. If you use 6.35mm to 3.5mm headphones for monitoring, it will easily produce bad noise.

PRODUCT OVERVIEW

The BOMGE U204 is a 2x2 USB audio interface designed for high-quality audio recording and playback. It features 32-bit/192kHz resolution, dual XLR/TRS combo inputs, and versatile connectivity for various recording setups.



Figure 1: Front and rear view of the BOMGE U204 USB Audio Interface, showing all inputs, outputs, and controls.

SETUP

System Requirements

- Operating System: Windows, macOS
- Compatible Devices: Personal Computer
- No specific drivers are required for Windows or Mac OS systems; the device is plug-and-play.

Connecting the Device

1. **Power Input:** Connect the USB 3.0 power cable to the interface and your computer. The device can also be powered by an external 5V/2A DC power adapter via the Type-C port if not connected to a computer.



Figure 2: Illustrates the power input options and seamless connectivity for PC and phone.

2. **Microphone/Instrument Connection:** Use XLR or 6.35mm (JACK) cables to connect microphones or instruments to INPUT 1 and INPUT 2.

PRODUCT DETAILS



Figure 3: Close-up of the 2-in-1 XLR/6.35mm combo inputs (INPUT 1 and INPUT 2).

- Output Connections:** Connect your studio monitors to the 1/L and 2/R outputs using 6.35mm (JACK) cables or RCA cables to the IN/OUT RCA ports. Connect headphones to the PHONES jack for monitoring.

PRODUCT PARAMETERS

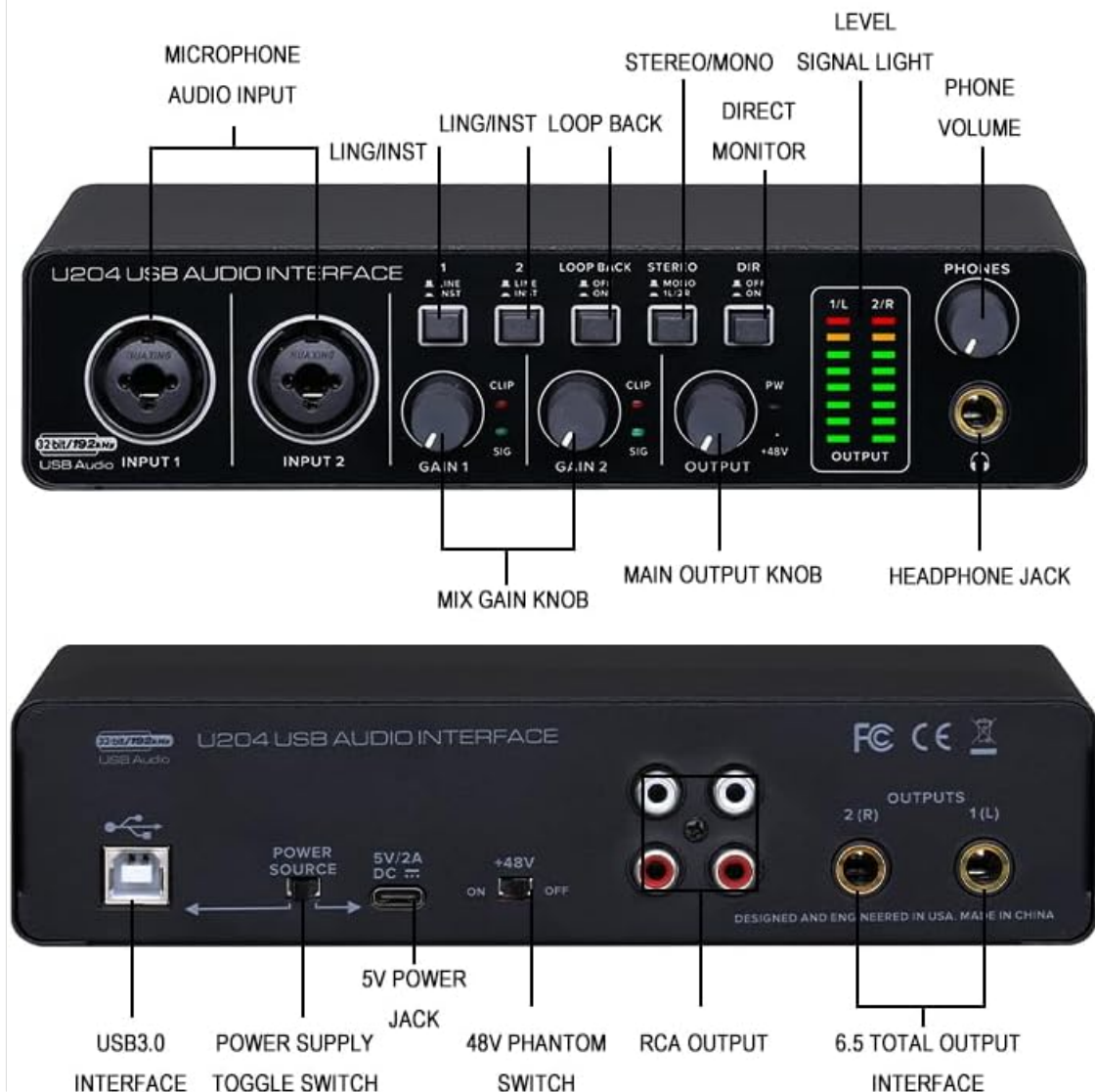


Figure 4: Detailed diagram of all front and rear panel connections and controls, including outputs.

OPERATING INSTRUCTIONS

Basic Operation

- **Gain Control:** Use the GAIN 1 and GAIN 2 knobs to adjust the input level for each channel. The SIG LED indicates signal presence, and the CLIP LED warns of clipping.
- **48V Phantom Power:** For condenser microphones, activate the +48V phantom power switch on the rear panel. Ensure XLR to XLR connection for 48V.
- **Loop Back:** The LOOP BACK switch allows you to record or not record accompaniment music sent from the USB.
- **Stereo/Mono:** Use the STEREO switch to select between stereo or mono monitoring of audio signals.
- **Direct Monitor:** The DIR switch enables direct monitoring with zero latency.
- **Output Control:** Adjust the main output level using the OUTPUT knob. The PHONES knob controls the headphone volume.

Recording and Monitoring

The BOMGE U204 provides high-quality audio for recording and streaming. Experience seamless compatibility with

various microphones and instruments.

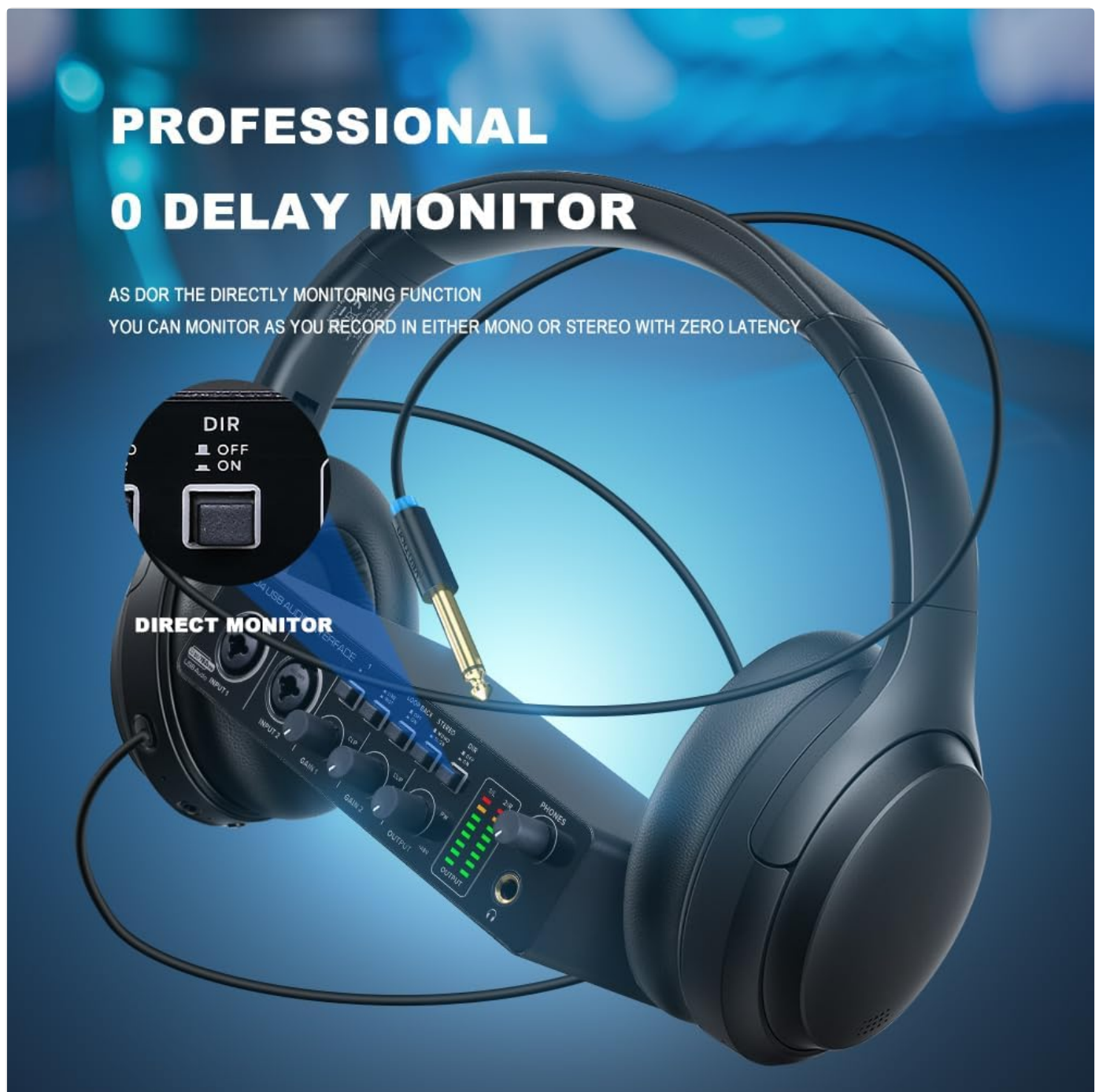


Figure 5: The BOMGE U204 interface connected to a laptop, illustrating its use for high-quality audio recording with various microphones. For zero-delay monitoring, utilize the direct monitor function. This allows you to hear your input signal directly through your headphones or monitors without any latency from your computer's software.

PRODUCT SIZE



Figure 6: A user monitoring audio through headphones connected to the BOMGE U204, highlighting the zero-delay monitoring feature.

MAINTENANCE

- Keep the device clean and free from dust. Use a dry, soft cloth for cleaning.
- Avoid exposing the device to extreme temperatures, humidity, or direct sunlight.
- Do not attempt to open or service the device yourself. Refer all servicing to qualified personnel.

TROUBLESHOOTING

Problem	Possible Cause	Solution
No sound output.	Incorrect cable connection, low volume, incorrect software settings.	Check all cable connections. Increase OUTPUT and PHONES volume. Verify audio input/output settings in your DAW or operating system.
Distorted audio.	Input gain too high (clipping), incorrect sample rate.	Reduce GAIN knobs until CLIP LED no longer illuminates. Ensure sample rate matches your software settings.
Device not recognized by computer.	USB cable issue, power issue, operating system conflict.	Try a different USB port or cable. Ensure sufficient power (USB 3.0 or 5V/2A adapter). Restart computer.
48V phantom power not working.	Incorrect cable type, switch off.	Ensure you are using an XLR to XLR cable for condenser microphones. Verify the +48V switch is ON. JACK inputs do not support 48V.

SPECIFICATIONS

- **Item Weight:** 1.65 pounds (750 Grams)
- **Product Dimensions:** 4.4 x 7.2 x 1.7 inches
- **Item Model Number:** U204
- **Compatible Devices:** Personal Computer
- **Operating System:** Windows, macOS
- **Brand:** BOMGE
- **Number of Channels:** 2
- **Input:** 2 x MIDAS design XLR/TRS combo connectors (Mic/Line/Instrument)
- **Frequency Response (Input):** 10 Hz – 50 KHz (0 / -3 dB)
- **Phantom Power:** +48 V, switchable
- **Output:** 1 x 1/4" stereo (Phones), 2 x 1/4" TRS (Line Out)
- **Frequency Response (Output):** 10 Hz – 43 KHz (0 / +0.3 dB)
- **Monitoring:** Direct Monitor switch
- **Supported Sample Rates:** 44.1 / 48 / 88.2 / 96 / 176.4 / 192 kHz
- **Computer Bus Connectivity:** USB 3.0, Type B
- **Power Consumption:** Max. 4.5 W
- **Power Supply:** USB connector (bus-powered from computer) and adapter

OFFICIAL PRODUCT VIDEO

Your browser does not support the video tag.

Video 1: An official product video from BOMGE MUSIC US, demonstrating the features and usage of the BOMGE U204 USB Audio Interface. This video covers power input, microphone and XLR connections, voice testing, loop back and stereo functions, and audio output options.

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ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page’s manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question

Answered questions about this manual

When I connect my Bomge U204 to the USB port of my Windows 10 LTSC computer, the PC recognizes the card but not all the interface ports; only the headphone jack appears as an output. Is there a driver for this card?

According to the BOMGE U204 USB Audio Interface user manual, no specific drivers are required for Windows or macOS systems; the device is plug-and-play. If your Windows 10 LTSC computer is only recognizing the...

[Read full answer](#)