MAONO PS22

MAONO PS22 USB Audio Interface User Manual

Model: PS22
Brand: MAONO

INTRODUCTION

This manual provides comprehensive instructions for the setup, operation, and maintenance of the MAONO PS22 USB Audio Interface. The PS22 is designed for high-quality audio recording and production, offering a 24-bit/192kHz sampling rate and dual USB connectivity for PC and smartphones. It is suitable for home recording, music production, guitar, podcasting, and streaming applications.

PRODUCT OVERVIEW

The MAONO PS22 is a compact and versatile audio interface featuring two input channels, each with XLR/TRS combo jacks, and a dedicated headphone output. It is equipped with a 60 dB pro-preamp for clear audio capture.

Front Panel Features

Image: Front view of the MAONO PS22 USB Audio Interface, showing input jacks, gain knobs, phantom power switches, peak indicators, monitor mix knob, headphone jack, and main output knob.

- **MIC1/INST1 & MIC2/INST2 (Combo Jacks):** These inputs accept both XLR connectors for microphones and 1/4-inch (6.35mm) TRS/TS connectors for instruments (guitars, keyboards) or line-level devices.
- **HI-Z Switch:** Engages high impedance mode for direct connection of passive guitars and basses.
- **GAIN 1 & GAIN 2 Knobs:** Adjust the input level for the corresponding channels.
- **48V Phantom Power Switch:** Activates +48V phantom power for condenser microphones.
- **PEAK Indicators:** Lights up when the input signal is too high, indicating potential clipping. Adjust gain to prevent this.
- **MONITOR MIX Knob:** Blends the direct input signal with the playback signal from your computer for zero-latency monitoring.
- **PHONES Jack:** 1/4-inch (6.35mm) stereo output for headphones.
- **OUTPUT Knob:** Controls the overall output volume to your headphones and main monitor outputs.
- **STEREO/MONO Switch:** Selects between stereo and mono monitoring for the main outputs.

Rear Panel Features

Image: Rear view of the MAONO PS22 USB Audio Interface, showing the power switch, DC 5V input, USB-C ports, and main output jacks.

- **POWER Switch:** Turns the device on or off.

- **DC=5V Input:** Power input for external power supply (if not bus-powered).
- **USB-C Ports:** Dual USB-C connectivity for connecting to PC, Mac, or mobile devices.
- **MAIN OUTPUT (L/R):** 1/4-inch (6.35mm) TRS balanced outputs for connecting to studio monitors or an amplifier.

Key Features

- **Exceptional Sound Performance:** 24-bit/192kHz sampling rate for precise sound reproduction, low distortion, and minimal latency.
- **60 dB Pro-preamp:** High-quality preamplifiers for clear and powerful signal amplification.
- **Dual USB Interface:** Connects to both PC/Mac and smartphones for versatile recording setups.
- **Powerful Virtual Routing Software:** Includes 2x2 channel and 6x6 virtual channels (Loopback channel included) for flexible audio routing.
- **ASIO Driver:** Provides ultra-low latency performance for professional recording.
- **Monitor Mix Control:** Allows blending of direct input and playback signals for zero-latency monitoring.
- **Hi-Z Instrument Support:** Dedicated high-impedance inputs for direct guitar and bass recording.

SETUP

1. Software and Driver Installation

Before connecting the PS22, it is recommended to download and install the necessary drivers and routing software from the official MAONO website. This software ensures proper functionality and access to advanced routing features.

For Phone&PC

For Two PC

POWER

DC===5V POWER SOURCE USB-C /iOS OUT MAIN OUTPUT R L

SEAMLESS CONNECTIVITY
Convenient Dul-USB C jack
– perfect for your computer and phone!

Image: Screenshot of the MAONO virtual routing software interface on a computer monitor, demonstrating multichannel control and ASIO settings.

Image: The MAONO PS22 shown with logos of compatible digital audio workstations (DAWs) such as Avid Pro Tools, Studio One, Ableton Live, FL Studio, Logic Pro, Steinberg Cubase, Audacity, and Adobe Audition.

2. Connecting the PS22

1. **Power Connection:** Connect the PS22 to a power source. It can be bus-powered via USB-C from your computer or powered by a separate 5V DC power adapter (not always included, check package contents).

2. **Computer/Smartphone Connection:** Use the provided USB-C cable to connect the PS22 to your PC, Mac, or smartphone. The PS22 supports dual USB connections for simultaneous use with two devices.

3. **Microphone/Instrument Connection:**

   - For microphones, connect an XLR cable to the MIC1/INST1 or MIC2/INST2 combo jack. If using a condenser microphone, activate the +48V phantom power switch for that channel.

   - For instruments (e.g., guitar), connect a 1/4-inch TS cable to the MIC1/INST1 or MIC2/INST2 combo jack and engage the HI-Z switch for optimal impedance matching.

4. **Monitoring Setup:**

   - Connect your headphones to the PHONES jack on the front panel.

   - Connect your studio monitors to the MAIN OUTPUT (L/R) jacks on the rear panel using 1/4-inch

TRS cables.

5. **Power On:** Flip the POWER switch on the rear panel to the 'ON' position.

Image: A man playing an acoustic guitar and singing into a microphone, with the MAONO PS22 audio interface connected to a laptop on a table, demonstrating a typical home recording setup.

OPERATING INSTRUCTIONS

Input Level Adjustment

1. Ensure your microphone or instrument is connected.
2. Slowly turn the GAIN knob for the corresponding channel clockwise while speaking into the microphone or playing your instrument.
3. Observe the PEAK indicator. It should flash occasionally on the loudest parts of your signal. If it stays lit constantly, reduce the gain to prevent clipping and distortion.

Monitoring

- **Headphone Volume:** Adjust the PHONES volume knob to a comfortable listening level.
- **Main Output Volume:** Adjust the OUTPUT knob to control the volume of your studio monitors.

- **Monitor Mix:** The MONITOR MIX knob allows you to blend the direct input signal (DAW) with the playback signal from your computer (INPUT). Turn it towards "INPUT" to hear more of your live input with zero latency, or towards "DAW" to hear more of the playback from your computer.
- **Stereo/Mono Monitoring:** Use the STEREO/MONO switch to select how your inputs are routed to the main outputs. In Stereo mode, inputs 1 and 2 are heard on the left and right channels respectively. In Mono mode, both inputs are summed and heard equally on both left and right channels.

Image: Detailed view of the MAONO PS22's monitor mix knob, power switch, and stereo/mono switch, highlighting their functions.

Using the Routing Software

The MAONO PS22 comes with dedicated routing software that provides advanced control over input/output routing, virtual channels, and ASIO settings. Refer to the software's built-in help or the official MAONO website for detailed instructions on utilizing these features for complex recording and streaming setups.

MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the PS22. Avoid using abrasive cleaners or solvents.

- **Storage:** Store the device in a cool, dry place away from direct sunlight and extreme temperatures.
- **Cable Management:** Ensure cables are not excessively bent or strained to prevent damage to connectors and ports.
- **Firmware Updates:** Periodically check the official MAONO website for any available firmware updates to ensure optimal performance and compatibility.

TROUBLESHOOTING

For detailed troubleshooting steps, please refer to the official Troubleshooting Guide provided by MAONO. A PDF version is available for download:

Download Troubleshooting Guide (PDF)

Common Issues and Solutions:

- **No Sound Output:**

  - Check all cable connections (USB, headphones, monitors).
  - Ensure the PS22 is powered on.
  - Verify that the PHONES and OUTPUT knobs are turned up.
  - Confirm the PS22 is selected as the audio input/output device in your computer's sound settings and your DAW.

- **Distorted Audio / Clipping:**

  - Reduce the GAIN knobs for the input channels.
  - Ensure the PEAK indicators are not constantly lit.
  - Check the input level within your recording software.

- **Microphone Not Working (Condenser Mics):**

  - Ensure the +48V phantom power switch is engaged for the connected microphone channel.
  - Verify the XLR cable is securely connected.

- **Latency Issues:**

  - Ensure the correct ASIO driver is installed and selected in your DAW.
  - Adjust the buffer size in your DAW's audio settings (lower buffer size reduces latency but requires more CPU).
  - Utilize the MONITOR MIX knob for zero-latency direct monitoring of your input signal.

SPECIFICATIONS

Feature	Detail
Model Number	PS22
Sampling Rate	24-bit/192kHz
Number of Channels	2 (Input)

Preamp Gain Range	Up to 60 dB
Connectivity Technology	USB-C, XLR, 3.5mm TRRS (for smartphone connection via adapter, if applicable)
Compatible Devices	Laptop, PC, Mac, Smartphone
Operating System	Windows, macOS, iOS, Android (with appropriate adapters/drivers)
Supported Software	Avid Pro Tools, Ableton Live, Steinberg Cubase, Studio One, Logic Pro, Nuendo, Reaper, Audacity, Adobe Audition
Item Weight	1.92 pounds
Product Dimensions	4.92 x 7 x 1.81 inches

WARRANTY AND SUPPORT

MAONO is committed to providing excellent customer service and product support. For any inquiries or assistance, please refer to the following:

- **Replacement Policy:** 365 Days Replacement.
- **Technical Support:** Lifetime Tech Support.
- **Customer Service:** 7/24H Customer Support.
- **Contact:** Please visit the official MAONO website for contact information and further support resources.