Manuals+
Q & A | Deep Search | Upload

micfuns MD101

MA01 2-in/4-out USB 2.0 Audio Interface

Model: MD101

Brand: micfuns

Introduction

The micfuns MA01 is a versatile 2-in/4-out USB 2.0 Audio Interface designed for music computer recording. It features four microphone preamps with 48V phantom power, delivering high-quality 24-bit/192kHz audio resolution. This interface allows for easy connection to a computer via a USB cable, ensuring ultra-low latency for recording and playback.

Figure 1: Front view of the Micfuns MA01 Audio Interface.

Key Features

- **High-Resolution Audio:** Supports 24-bit/192kHz sampling rate for clear and high-fidelity audio recording and playback.
- **Multiple Inputs:** Equipped with four microphone preamps, providing 2-in/4-out functionality. Note that only two channels may be available for mixing in some software configurations.
- **Phantom Power:** Features 48V phantom power supply for condenser microphones, with individual GAIN knobs for precise level control.
- **High Impedance Input:** Includes a high impedance (HI-Z) switch to optimize the high-frequency fidelity of instrument sounds, suitable for guitars and other line-level instruments.

- **Monitoring Options:** Two 6.35mm headphone monitoring interfaces with independent volume control, and four audio output interfaces for connecting active speakers, amplifiers or additional recording equipment.
- **Ultra-Low Latency:** Designed for efficient data transfer to the computer with minimal delay, crucial for real-time monitoring and recording.

Figure 2: The MA01 supports 24-bit/192kHz sampling for high-quality audio.

Figure 3: High dynamic headroom instrument input for guitars and other instruments.

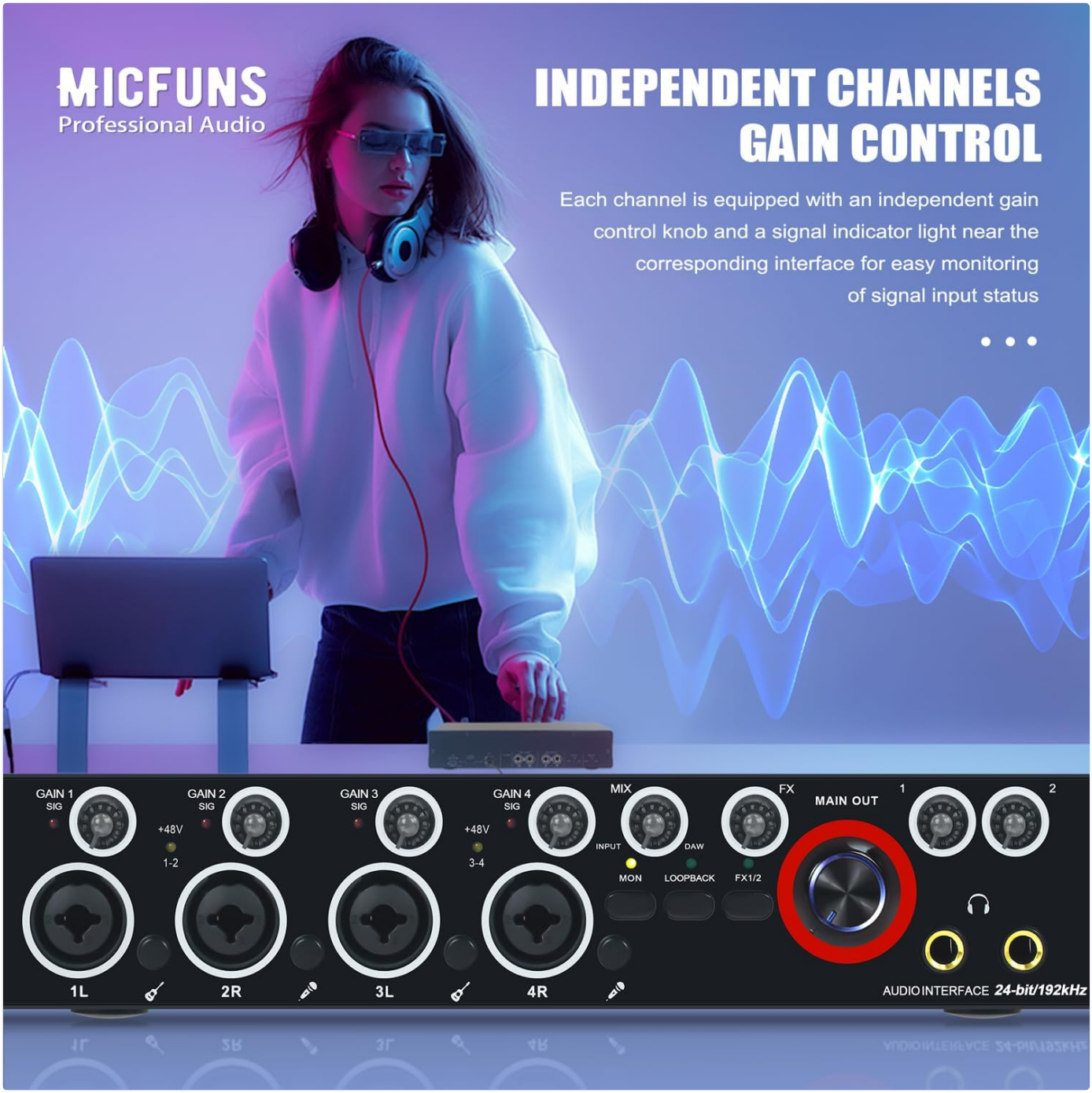

Figure 4: Each channel features independent gain control and a signal indicator light.

Controls and Connections

Familiarize yourself with the various inputs, outputs, and controls on your MA01 audio interface for optimal performance.

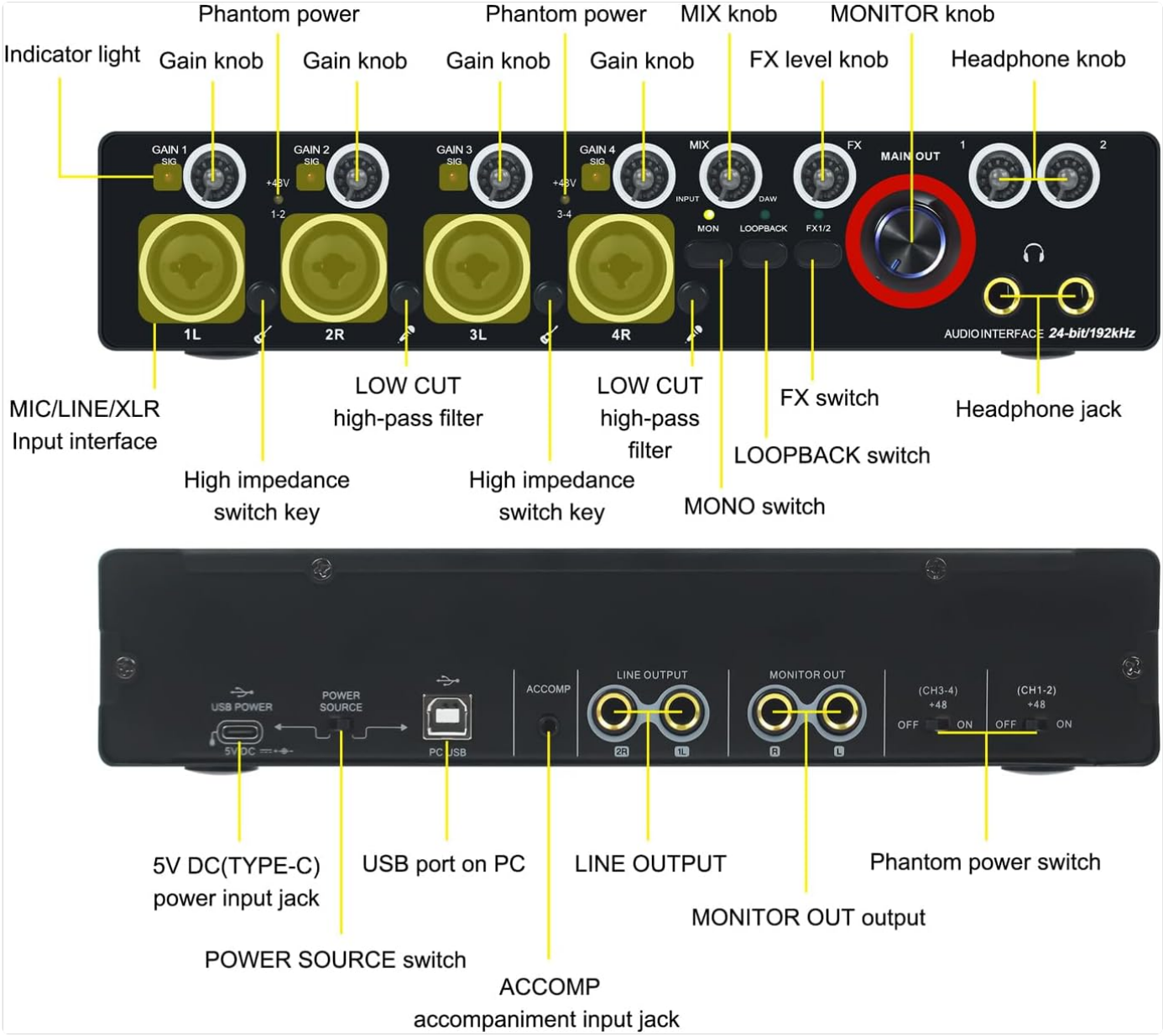

Figure 5: Detailed view of the MA01's front and rear panels, highlighting all controls and connection points.

Front Panel:

- **GAIN 1-4 Knobs:** Adjust input sensitivity for each channel.
- **SIG Indicator Lights:** Illuminate to show signal presence.
- **+48V Phantom Power Switches:** Activate phantom power for channels 1-2 and 3-4.
- **1L, 2R, 3L, 4R Inputs:** Combo XLR/TRS jacks for microphones and instruments.
- **HI-Z Switches:** Engage high impedance mode for instrument inputs.
- **MIX Knob:** Balances the direct monitor signal with the playback from your computer.
- **MON Switch:** Toggles direct monitoring.
- **LOOPBACK Switch:** Enables the loopback function for recording computer audio.
- **FX Switch:** Controls internal effects (if applicable).
- **MAIN OUT Knob:** Adjusts the overall output volume.
- **Headphone Jacks (6.35mm):** Connect headphones for monitoring.
- **Headphone Knobs:** Independently control the volume of each headphone output.

Rear Panel:

- **5V DC (TYPE-C) Power Input Jack:** Connect an external 5V DC power adapter (not included).
- **USB Power Switch:** Selects between USB bus power and external 5V DC power.
- **PC USB Port:** Connects the interface to your computer via USB.
- **ACCOMP Input Jack:** Auxiliary input for accompaniment.
- **LINE OUTPUT (L/R):** Connect to active speakers or amplifiers.
- **MONITOR OUT (L/R):** Connect to studio monitors.
- **CH(1-2) +48V & CH(3-4) +48V Switches:** Global phantom power switches for respective channel pairs.

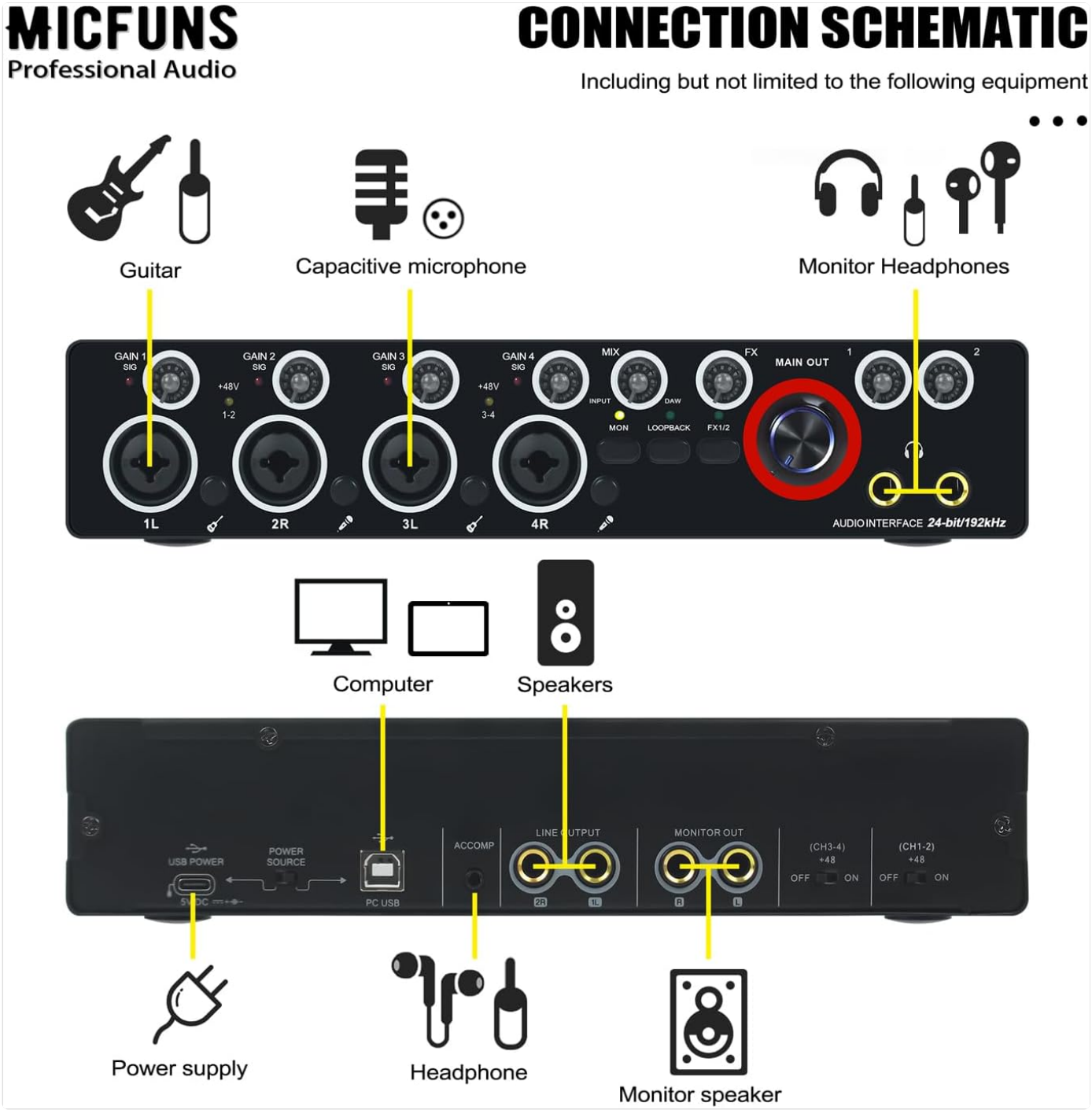

Figure 6: Connection schematic illustrating how to connect guitars, microphones, headphones, computers, and speakers to the MA01.

Setup Guide

1. **Power Connection:** The MA01 can be powered via the USB connection to your computer. For stable operation or when not connected to a computer, use an external 5V DC Type-C power adapter with an output current of 3A or higher (not included). Connect the adapter to the "5V DC (TYPE-C) Power Input Jack" on the rear panel. Ensure the

"USB Power" switch is set correctly based on your power source.

2. **Computer Connection:** Connect the MA01 to your computer using the provided USB cable. The interface is designed for plug-and-play operation with most modern operating systems (e.g., Windows). No specific drivers are typically required, but ensure your operating system is up to date.
3. **Software Setup:** Once connected, your computer should recognize the MA01 as an audio device. Select it as your input and output device in your Digital Audio Workstation (DAW) software or system sound settings.
4. **Connecting Output Devices:** Connect your studio monitors or active speakers to the "LINE OUTPUT" or "MONITOR OUT" jacks on the rear panel. Connect your headphones to the 6.35mm headphone jacks on the front panel.

Figure 7: The MA01 can be powered via USB or an external 5V DC Type-C adapter.

Operating Instructions

1. **Connecting Microphones and Instruments:**
    - For microphones, connect via the XLR input on the combo jacks. If using a condenser microphone, activate the corresponding +48V phantom power switch on the front panel (and ensure the global +48V switch on the rear

is ON).

- For instruments (e.g., guitar, bass), connect via the 6.35mm TRS input on the combo jacks. Engage the HI-Z switch for the respective channel to optimize the input for high-impedance instruments.

Figure 8: Switching between high and low impedance input modes for optimal sound.

2. **Adjusting Input Gain:** Use the GAIN knobs for each channel to set appropriate input levels. The SIG indicator lights will help you monitor the signal presence. Adjust the gain so the light illuminates consistently but does not clip (turn red).
3. **Monitoring Audio:**
    - **Direct Monitoring:** Press the MON switch to enable direct monitoring, allowing you to hear your input signal directly through the headphones or main outputs with zero latency.
    - **Mix Control:** Use the MIX knob to blend the direct input signal with the playback audio from your computer.
    - **Headphone Volume:** Adjust the individual headphone knobs to control the volume for each connected headphone set.
4. **Loopback Function:** The LOOPBACK switch allows you to route the audio output from your computer back into the interface's input, which is useful for streaming or recording computer audio alongside live inputs.

5. **Output Volume:** Use the MAIN OUT knob to control the overall volume of your connected speakers or monitors.

Your browser does not support the video tag.

Video 1: A demonstration of the Micfuns MA01 audio interface, showcasing its physical features and basic connection capabilities.

Maintenance

To ensure the longevity and optimal performance of your MA01 audio interface, follow these maintenance guidelines:

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the unit. Avoid using abrasive cleaners, solvents, or waxes, as they may damage the finish or internal components.
- **Storage:** When not in use for extended periods, store the interface in a cool, dry place away from direct sunlight, extreme temperatures, and excessive dust.
- **Handling:** Handle the unit with care. Avoid dropping it or subjecting it to strong impacts, which can damage internal circuitry or external connectors.
- **Ventilation:** Ensure proper ventilation around the unit to prevent overheating. Do not block any ventilation openings.

Troubleshooting

If you encounter issues with your MA01 audio interface, refer to the following common troubleshooting steps:

- **No Power/Lights Off:**
  - Ensure the USB cable is securely connected to both the interface and the computer.
  - If using an external power adapter, verify it is a 5V DC Type-C adapter with at least 3A output and is properly connected. Check the "USB Power" switch on the rear panel.
  - Try a different USB port or power outlet.
- **No Sound Output (Headphones/Speakers):**
  - Check all cable connections to headphones and speakers.
  - Ensure the MAIN OUT knob and headphone volume knobs are turned up.
  - Verify the MA01 is selected as the output device in your computer's sound settings and DAW.
  - If using direct monitoring, ensure the MON switch is engaged.
- **No Input Signal:**
  - Check microphone/instrument cable connections.
  - Ensure the GAIN knob for the active channel is turned up.
  - If using a condenser microphone, confirm +48V phantom power is activated for the correct channels (both front panel and rear panel switches).
  - Verify the MA01 is selected as the input device in your computer's sound settings and DAW.
  - For instruments, ensure the HI-Z switch is engaged if applicable.
- **Only 2 Channels Visible in Software:**
  - While the MA01 has four physical input preamps, some software configurations or operating systems may only present a stereo (2-channel) input for mixing. This is a known characteristic of this model.
- **Low Headphone Output or Loopback Volume:**
  - Ensure headphone volume knobs are at maximum.

- Adjust the MIX knob to favor the computer playback if the loopback signal is too low.
- Check the output levels within your DAW or computer's sound settings.

Specifications

Feature	Detail
Model Number	MD101
Connectivity	USB 2.0
Input/Output Channels	2-in/4-out (4 mic preamps)
Sampling Rate	24-bit/192kHz
Phantom Power	+48V (switchable)
Compatible Devices	Personal Computer
Operating System	Windows (and generally compatible with macOS, though not explicitly listed)
Product Dimensions	10.24"W x 4.65"D x 2.17"H (260mm x 118mm x 55mm)
Item Weight	2.77 pounds (1.26 kg)
Power Requirement	5V DC (Type-C), 3A or higher (power adapter not included)

Figure 9: Physical dimensions of the MA01 audio interface.

Warranty and Support

For warranty information or technical support, please refer to the documentation included with your purchase or visit the official micfuns website. Keep your proof of purchase for warranty claims.
For further assistance, you may contact micfuns customer service through their official channels.