RME MADIface

RME MADIface USB 64-Channel USB 2.0 Audio Interface Instruction Manual

Model: MADIface

1. INTRODUCTION

The RME MADIface USB 2.0 Audio Interface is a compact and powerful device designed for professional audio recording and playback. It supports 64-in/64-out channels at 24-bit/48kHz, 32 channels at 24-bit/96kHz, and 16 channels at 24-bit/192kHz. This interface offers extensive connectivity and features, including MADI optical/coax I/O and TotalMix FX software for comprehensive control.

Key features include:

- Allows you to record and play back MADI digital audio on your Mac or PC.
- Supports 64-in/64-out at 24-bit/48kHz, 32 channels at 24-bit/96kHz, and 16 channels at 24-bit/192kHz.
- TotalMix FX mixing software gives you unlimited routing of inputs and outputs, and up to 32 fully independent stereo submixes.
- Can operate standalone as a MADI optical/coax format converter or as a signal repeater.
- Comes with DIGICheck, a complete audio measurement, analysis and test tool.

2. SETUP

2.1. Initial Connection

1. **Power On:** Ensure the MADIface USB is connected to a power source if required, or via USB-C for bus power.
2. **Connect to Computer:** Use the provided USB-C cable to connect the MADIface USB to your Mac or PC. The USB indicator light on the unit will illuminate upon successful connection.
3. **Driver Installation:** Visit the RME website (www.rme-audio.de/downloads.html) to download and install the latest drivers and TotalMix FX software for your operating system (Mac or Windows).
4. **Audio Device Selection:** After installation, select the RME MADIface USB as your input and output device in your computer's sound settings and your Digital Audio Workstation (DAW).

2.2. Connecting Audio Devices

- **Microphones/Line Inputs:** Connect microphones or line-level instruments to the XLR/TRS combo inputs on the rear panel. Ensure 48V phantom power is enabled for condenser microphones using the dedicated switches.
- **MADI Devices:** Connect MADI optical or coaxial devices to the respective MADI I/O ports on the rear panel.
- **Analog Outputs:** Connect your studio monitors or other playback devices to the 1/4-inch analog outputs.
- **Headphones:** Plug headphones into the 1/4-inch or 3.5mm headphone jacks on the front/side panel for monitoring.

3. OPERATING THE MADIFACE USB

3.1. Front Panel Controls

Image Description: A silver and black RME MADIface USB audio interface. The top unit shows optical and coaxial MADI ports, along with status LEDs. The bottom unit shows a USB-C port and a green LED indicator. This image provides an overview of the device's primary connectivity points.

- **Gain Control Knobs:** Adjust the input gain for each preamp.
- **48V Phantom Power Switches:** Activate 48V phantom power for condenser microphones.
- **-10dB Pad Switches:** Attenuate the input signal by 10dB for high-level sources.
- **High-Pass Filter Switches:** Engage high-pass filters to reduce low-frequency rumble.
- **LED Signal Lights:** Provide visual feedback on input signal levels.
- **USB Indicator:** Illuminates when the unit is successfully connected via USB.
- **Master Volume Knob:** Controls the main output volume. This knob also functions as a MIDI controller when pressed, allowing for timeline scrolling or other custom assignments via software.
- **ID Button:** Used for identification within the TotalMix FX software.
- **DIM Button:** Dims the output volume.
- **CUT Button:** Mutes the output volume.
- **Function Keys (F1, F2, F3):** Customizable buttons that can be assigned various operations through the TotalMix FX software.
- **Headphone Volume Knob:** Adjusts the volume for the headphone output.
- **Headphone Jacks:** Includes both 1/4-inch and 3.5mm jacks for versatile monitoring.
- **Front Input:** A 1/4-inch input on the side for connecting instruments directly.

3.2. Rear Panel Connectivity

Image Description: The rear panel of the RME MADIface USB audio interface, showing various input and output ports. From left to right, it features USB-C, Word Clock Out, Optical In/Out, 1/4-inch analog outputs (3L, 1L, 4R, 2R), Insert points, and XLR/TRS combo Mic/Line inputs (1 and 2). This image highlights the extensive connectivity options available.

- **USB-C Port:** Connects to your computer for data transfer and bus power.
- **Word Clock Out:** Provides synchronization for external audio devices.
- **Optical In/Out:** MADI optical connections for up to 64 channels.
- **Analog Outputs (1L, 2R, 3L, 4R):** Four 1/4-inch analog outputs for connecting monitors or other outboard gear.
- **Insert Points:** Dedicated send and return points for integrating external analog gear into the signal chain of the preamps.
- **Mic/Line Inputs (1, 2):** Two XLR/TRS combo inputs for microphones or line-level sources.

4. MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the unit. Avoid liquid cleaners or solvents.
- **Ventilation:** Ensure proper ventilation around the unit to prevent overheating. Do not block ventilation openings.
- **Storage:** Store the unit in a cool, dry place away from direct sunlight and extreme temperatures when not in use.
- **Cable Management:** Organize cables to prevent strain on connectors and accidental disconnections.

5. TROUBLESHOOTING

- **No Power/Connection:**
  - Ensure the USB-C cable is securely connected to both the interface and your computer.
  - If using an external power supply, verify it is correctly plugged in and functioning.
  - Check the USB indicator light on the unit; if it's off, there might be a connection issue.

- **No Audio Input/Output:**
  - Verify that the RME MADIface USB is selected as the default audio device in your computer's sound settings and your DAW.
  - Check all cable connections (microphones, instruments, monitors).
  - Ensure input gain knobs are set appropriately and not muted.
  - For condenser microphones, confirm 48V phantom power is enabled.
  - Check routing in TotalMix FX software to ensure signals are directed to the correct outputs.

- **Software Issues:**
  - Ensure you have the latest drivers and TotalMix FX software installed from the RME website.
  - Restart your computer and the MADIface USB.

6. SPECIFICATIONS

Feature	Detail
Item Weight	1.28 pounds
Product Dimensions	11.65 x 6.75 x 3.8 inches
Item Model Number	MADIface
Compatible Devices	Laptop, Personal Computer
Hardware Interface	USB
Supported Software	Mainstream audio recording and editing software on personal computers
Operating System	Mac, Windows
Connectivity Technology	USB
Number of Channels	64

7. WARRANTY AND SUPPORT

RME products are known for their robust build quality and reliability. While specific warranty details for this model are not explicitly provided in the product data, RME typically offers a **5-year warranty** upon product registration, as indicated in some related product videos. Please refer to the official RME website for the most up-to-date warranty information and to register your product.

For technical support, driver downloads, and software updates, please visit the official RME website: www.rme-audio.de/support.html.