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› Saras DOREMiDi UMH-10 USB MIDI Host Box User Manual

Saras SAS1824016

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Model: UMH-10 (SAS1824016)

INTRODUCTION

The Saras DOREMiDi UMH-10 is a compact and highly functional USB MIDI Host Box designed to bridge the gap between USB MIDI devices and traditional 5-pin DIN MIDI interfaces. It allows you to connect USB MIDI controllers, keyboards, or other devices that typically require a computer, directly to hardware MIDI synthesizers, drum machines, or other MIDI-enabled equipment without the need for a computer.

This manual provides comprehensive instructions for setting up, operating, and maintaining your UMH-10 device, ensuring optimal performance and longevity.

PRODUCT OVERVIEW

The UMH-10 features several key interfaces and indicators for seamless integration into your MIDI setup.



Figure 1: Top view of the DOREMiDi UMH-10 USB MIDI Host Box, showing the DOREMiDi logo and "USB MIDI HOST" text.

Key Features and Interfaces:

- **USB MIDI Host Functionality:** Converts USB MIDI device interfaces to standard 5-pin MIDI interfaces, enabling direct connection between USB MIDI devices and traditional MIDI hardware.
- **USB-B Interface (Power In):** Used to supply power to the UMH-10 unit. Power is typically supplied via a standard 5V DC USB power adapter (not included).
- **USB-A Interface (USB Host):** A standard full-speed USB MIDI Host interface used for connecting your USB MIDI device and providing power to it.
- **MIDI 5-Pin Interfaces (MIDI In/Out):** High-performance MIDI interfaces with one input and one output, supporting 16 channels of standard MIDI data.
- **Indicators:**
 - Power Indicator: Illuminates when the device is powered on.
 - USB Work Indicator: Indicates active USB connection and data transfer.
 - MIDI In/Out Indicators: Flash to show MIDI data transmission and reception.

Follow these steps to set up your DOREMiDi UMH-10 USB MIDI Host Box:

1. **Power Connection:** Connect a standard 5V DC USB power adapter (not included) to the USB-B "Power In" port on the UMH-10. The power indicator light will illuminate.



Figure 2: Rear view of the UMH-10, highlighting the USB-B "Power In" port.

2. **Connect USB MIDI Device:** Plug your USB MIDI device (e.g., MIDI keyboard, controller) into the USB-A "USB HOST" port on the UMH-10. The USB work indicator will light up, and the UMH-10 will attempt to recognize and power the connected device.



Figure 3: Front view of the UMH-10, showing the USB-A "USB HOST" port, MIDI OUT, and MIDI IN ports.

3. Connect to MIDI Hardware:

- To send MIDI data from your USB device to external MIDI hardware, connect a 5-pin DIN MIDI cable from the "MIDI OUT" port of the UMH-10 to the "MIDI IN" port of your MIDI hardware.
- To receive MIDI data from external MIDI hardware to your USB device, connect a 5-pin DIN MIDI cable from the "MIDI OUT" port of your MIDI hardware to the "MIDI IN" port of the UMH-10.



Figure 4: The UMH-10 connected to a USB-B power cable, illustrating the power input connection.

OPERATION

Once properly set up, the DOREMiDi UMH-10 operates automatically to facilitate MIDI communication.

- **MIDI Data Flow:**
 - MIDI data from the connected USB MIDI device will be routed to the UMH-10's "MIDI OUT" port.
 - MIDI data received at the UMH-10's "MIDI IN" port will be sent to the connected USB MIDI device.
- **Indicator Lights:** Observe the MIDI In/Out indicators. They will flash when MIDI data is actively being transmitted or received, providing visual confirmation of communication.
- **Plug and Play:** The UMH-10 is designed for plug-and-play operation. No drivers or software installation are required for its basic functionality.

SPECIFICATIONS

Feature	Description
Model Number	UMH-10 (SAS1824016)
Material	ABS
Color	Black

Feature	Description
Power Input	USB-B (Standard 5V DC)
USB Host Port	USB-A (Full-speed USB MIDI Host)
MIDI Interfaces	1 x MIDI In (5-pin DIN), 1 x MIDI Out (5-pin DIN)
MIDI Channels	16 Channels
Compatible Devices	USB MIDI devices (keyboards, controllers), traditional MIDI hardware (synthesizers, drum machines)

MAINTENANCE

To ensure the longevity and proper functioning of your DOREMiDi UMH-10, follow these simple maintenance guidelines:

- **Cleaning:** Use a soft, dry cloth to wipe the exterior of the device. Avoid using liquid cleaners, solvents, or abrasive materials, as they may damage the finish or internal components.
- **Storage:** When not in use for extended periods, store the device in a cool, dry place away from direct sunlight and extreme temperatures.
- **Handling:** Handle the device with care. Avoid dropping it or subjecting it to strong impacts, which could damage the internal circuitry or connectors.
- **Ventilation:** Ensure the device is placed in an area with adequate ventilation to prevent overheating, although this device typically generates minimal heat.

TROUBLESHOOTING

If you encounter issues with your DOREMiDi UMH-10, consider the following troubleshooting steps:

- **No Power:**
 - Ensure the 5V DC USB power adapter is securely connected to the "Power In" port and plugged into a working power outlet.
 - Try a different USB power adapter and cable to rule out faulty accessories.
 - Check if the power indicator light on the UMH-10 is illuminated.
- **USB MIDI Device Not Recognized:**
 - Ensure your USB MIDI device is properly connected to the "USB HOST" port.
 - Verify that your USB MIDI device is compatible with a standard USB MIDI Host. Some devices may require specific drivers or higher power than the UMH-10 can provide.
 - Try connecting a different USB MIDI device to confirm the UMH-10's USB host functionality.
 - Some USB MIDI devices may require external power if the UMH-10 cannot supply sufficient power.
- **No MIDI Data Transmission/Reception:**
 - Check all 5-pin DIN MIDI cable connections. Ensure they are securely plugged into the correct "MIDI IN" and "MIDI OUT" ports on both the UMH-10 and your external MIDI hardware.
 - Verify that the MIDI In/Out indicators on the UMH-10 are flashing when data is expected.
 - Confirm that your MIDI hardware is configured to send/receive on the correct MIDI channels.
 - Test with different MIDI cables to rule out faulty cables.

- **Intermittent Connection:**

- Ensure all cables are firmly seated and not loose.
- Avoid placing the device near sources of strong electromagnetic interference.

WARRANTY AND SUPPORT

For warranty information or technical support regarding your Saras DOREMiDi UMH-10 USB MIDI Host Box, please contact the seller or manufacturer directly. Retain your proof of purchase for warranty claims.

Manufacturer: Saras