DOREMiDi MTD-1024

DOREMiDi MTD-1024 MIDI to DMX Controller

User Instruction Manual

1. Introduction

The DOREMiDi MTD-1024 is a versatile MIDI to DMX controller designed to bridge the gap between MIDI devices and DMX lighting equipment. It allows users to control DMX lighting fixtures using MIDI messages from instruments, software, or other MIDI controllers. This manual provides detailed instructions for setting up, operating, and maintaining your MTD-1024 controller.

Key Features:

- DMX Output Port: Connects to DMX IN ports via 3-Pin XLR cable.
- MIDI to DMX Conversion: Controls DMX lighting devices through MIDI instruments or software.
- USB MIDI Functionality: Connects to a computer to receive MIDI messages and supply power.
- Configurable Mapping: Allows for custom MIDI to DMX message configuration via a knob interface.
- Data Backup: Configuration data can be uploaded and saved for future use.

2. Package Contents

Upon opening the box, please verify that all the following items are included:

- 1 x DOREMiDi MTD-1024 MIDI to DMX Controller
- 1 x USB Power Cable
- 1 x User Manual (this document)
- 1 x XLR Cable (for DMX connection)

Image: Contents of the DOREMiDi MTD-1024 package, including the controller, USB power cable, and user manual.

3. Product Overview

Familiarize yourself with the various components and ports of the MTD-1024 controller.

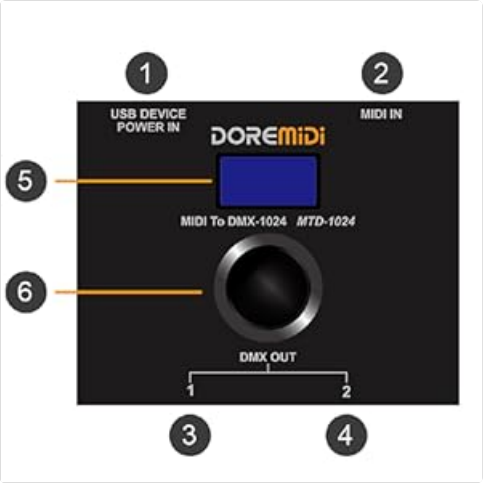


Image: Labeled diagram of the MTD-1024 controller's top panel.

1. **USB Device Power In:** USB port for power supply and MIDI communication with a computer.
2. **MIDI In:** 5-pin DIN MIDI input port for connecting MIDI devices.
3. **DMX Out 1:** 3-pin XLR DMX output port for controlling DMX devices (addresses 1-512).
4. **DMX Out 2:** 3-pin XLR DMX output port for controlling DMX devices (addresses 513-1024, starting as new address 1).
5. **OLED Display:** Shows current settings and MIDI/DMX data.
6. **Encoder Knob:** Used for navigation and parameter adjustment within the menu.

Image: Top view of the DOREMiDi MTD-1024 controller, showing the OLED display and encoder knob.

Image: Detailed view of the two DMX OUT XLR ports on the controller.

Image: Detailed view of the MIDI IN 5-pin DIN port and the USB Device Power In port.

4. Setup

4.1. Connecting to a Computer (USB MIDI)

The MTD-1024 can be powered and receive MIDI messages from a computer via its USB port.

1. Connect one end of the provided USB power cable to the 'USB DEVICE POWER IN' port on the MTD-1024.
2. Connect the other end of the USB cable to an available USB port on your computer.
3. The MTD-1024 will power on, and your computer should recognize it as a MIDI device.

Image: The MTD-1024 controller connected to a computer via a USB MIDI cable, illustrating power and MIDI data transfer.

4.2. Connecting a MIDI Device

To control DMX lights from a MIDI instrument or controller, connect it to the MTD-1024.

1. Connect a standard 5-pin DIN MIDI cable from the MIDI OUT port of your MIDI device (e.g., keyboard, MIDI interface) to the 'MIDI IN' port on the MTD-1024.

Image: The MTD-1024 controller with both USB and MIDI IN cables connected, ready for operation.

4.3. Connecting DMX Devices

The MTD-1024 features two DMX output ports to control your lighting fixtures.

1. Connect a 3-pin XLR cable from the 'DMX OUT 1' or 'DMX OUT 2' port on the MTD-1024 to the DMX IN port of your first DMX lighting device.
2. For multiple DMX devices, daisy-chain them by connecting an XLR cable from the DMX OUT of the first device to the DMX IN of the next, and so on. The MTD-1024 supports bridging multiple devices.

Image: A close-up of the DMX OUT ports on the MTD-1024, showing how XLR cables are connected to control DMX lighting fixtures.

Image: An example setup showing the MTD-1024 connected to a laptop and two DMX lighting fixtures, demonstrating a typical control environment.

Image: An example setup showing the MTD-1024 connected to a MIDI keyboard and two DMX lighting fixtures, illustrating control via a MIDI instrument.

5. Operation

5.1. Configuring MIDI to DMX Messages

The MTD-1024 allows for detailed configuration of how incoming MIDI messages are translated into DMX commands. Use the encoder knob and OLED display to navigate and adjust settings.

Image: A close-up of the MTD-1024's OLED display and encoder knob, which are used for configuring MIDI to DMX mappings.

For a visual guide on configuring the device, please refer to the official instruction video below:

Video: Official DOREMiDi instruction video demonstrating how to use the MTD-1024, including unboxing, connections, configuration, and a MIDI to DMX demo. This video is provided by the seller, DRMD-LLC.

5.2. MIDI to DMX Demo

The MTD-1024 allows for real-time control of DMX lighting fixtures using MIDI input. This can be from a physical MIDI device like a keyboard or from MIDI software on a computer.

- **Control via MIDI Device:** Play notes or adjust controllers on your MIDI instrument, and the MTD-1024 will translate these into DMX commands to control your lights.
- **Control via MIDI Software:** Use a Digital Audio Workstation (DAW) like Logic Pro to send MIDI messages to the MTD-1024, enabling automated or programmed lighting sequences.

Refer to the video in Section 5.1 for a demonstration of MIDI to DMX control using both a MIDI device and MIDI software.

6. Maintenance

To ensure the longevity and optimal performance of your DOREMiDi MTD-1024 controller, follow these maintenance guidelines:

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the device. Avoid using abrasive cleaners, solvents, or strong chemicals, as they may damage the finish or internal components.
- **Storage:** When not in use, store the controller in a cool, dry place away from direct sunlight, extreme temperatures, and high humidity.
- **Handling:** Handle the device with care. Avoid dropping it or subjecting it to strong impacts, which could damage internal circuitry or external ports.
- **Connections:** Ensure all cables are connected securely but do not force them. Periodically check cable connections for wear and tear.

7. Troubleshooting

If you encounter issues with your MTD-1024 controller, please refer to the following common troubleshooting steps:

Problem	Possible Cause	Solution
Device does not power on.	No power supply or faulty USB cable.	Ensure USB cable is securely connected to a powered USB port. Try a different USB port or cable.
No DMX output.	Incorrect DMX cabling, DMX device issues, or incorrect MIDI to DMX mapping.	Verify DMX cables are correctly connected (OUT to IN). Check DMX device settings. Review MIDI to DMX configuration on the MTD-1024.
MIDI messages not received.	Incorrect MIDI cabling, MIDI device not sending data, or incorrect MIDI channel settings.	Ensure MIDI cable is connected from MIDI OUT of your device to MIDI IN of MTD-1024. Check MIDI device's output settings and MIDI channel.
OLED display is unreadable or misaligned.	Manufacturing alignment issue (rare).	If the display is misaligned, contact DOREMiDi support for assistance. Do not attempt to open the device unless instructed.
Encoder knob is difficult to turn or press.	Physical obstruction or internal issue.	Check for any physical obstructions around the knob. If the issue persists, contact DOREMiDi support.

8. Specifications

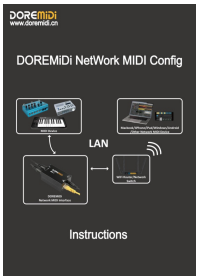
Feature	Detail
Model Name	MTD-1024
Item Weight	9.5 ounces
Product Dimensions	3.46 x 3.11 x 2.05 inches

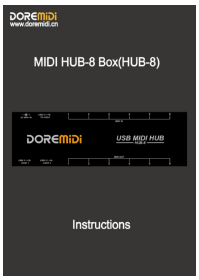
Feature	Detail
Material Type	Plastic, Metal
Connectivity Technology	USB, XLR, 5-pin DIN MIDI
Hardware Interface	USB
Compatible Devices	Computer (Windows), Ableton Live, MIDI Instruments
Supported Software	Ableton Live (and other MIDI-compatible DAWs)
Country of Origin	China

9. Warranty and Support

DOREMiDi products are designed for reliability and performance. For information regarding warranty coverage, technical support, or service, please refer to the warranty card included with your product or visit the official DOREMiDi website. Keep your purchase receipt as proof of purchase for warranty claims.

Related Documents - MTD-1024

	DOREMIDI Network MIDI Config: Setup and Troubleshooting Guide A comprehensive guide to setting up and using DOREMIDI Network MIDI devices (MR-1) with Windows, macOS, iOS, and Android. Covers connection, configuration, and common troubleshooting steps.
	DOREMIDI UMH-21 High-Speed USB MIDI Host: Instruction Manual User guide for the DOREMIDI UMH-21, a high-speed USB 2.0 MIDI host. Learn about its features, connections, modes, and troubleshooting for seamless MIDI integration.
	DOREMIDI FC-3 MIDI Foot Controller User Manual and Configuration Guide Comprehensive guide to the DOREMIDI FC-3 MIDI Foot Controller, detailing its features, setup, MIDI message configuration using the Pedal Config Tool V2.0, and troubleshooting tips.

	DOREMIDI HUB-8 MIDI Hub Instructions and Specifications Detailed instructions, appearance guide, connection diagram, product parameters, and troubleshooting for the DOREMIDI HUB-8 USB 3.1 MIDI Hub.
	DOREMiDi UMH-10 USB MIDI Host Box: Instructions and Specifications Comprehensive guide to the DOREMiDi UMH-10 USB MIDI Host Box, detailing its features, parameters, interface connections, and setup for MIDI devices.
	DOREMIDI UMH-21 High-Speed USB MIDI HOST - User Manual and Specifications Comprehensive guide to the DOREMIDI UMH-21 High-Speed USB MIDI HOST. Features USB2.0, MIDI IN/OUT, and firmware upgrade capabilities. Includes detailed specifications, usage instructions, and troubleshooting for musicians.