DOREMiDi
www.doremidi.cn

USB MIDI Network Box Pro

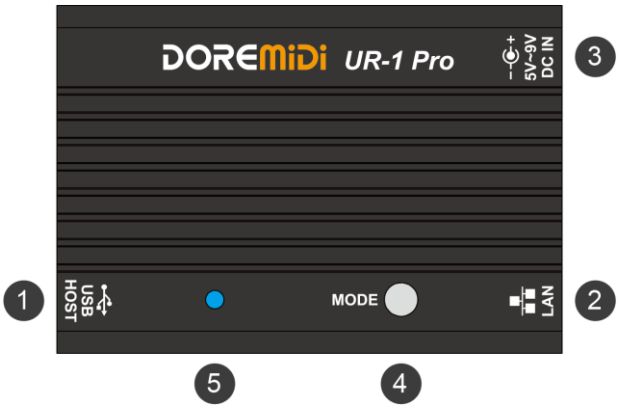
(UR-1 Pro)

Instructions

1. Introduction

The USB MIDI network box Pro (UR-1 Pro) is an upgraded version of the USB MIDI network box (UR-1). Also as a gateway for MIDI devices, UR-1 Pro can not only connect to computers, but also RTP-MIDI devices from DOREMiDi, which allows MIDI devices to be directly connected to each other through the network. In addition, UR-1 Pro uses a high-speed USB2.0 host interface, which has faster communication speed and better compatibility.

2. Appearance



❶ USB HOST: USB host interface, through USB-A plug, connect to MIDI device with USB TO HOST, with working indicator.

❷ MIDI LAN: Ethernet interface, connect Ethernet equipment through network cable, such as network router, network switch, etc.

❸ DC IN 5V~9V: Product power supply interface, use DC5.5*2.1 plug to supply power to the product, the power supply voltage is 5V~9VDC.

❹ MODE: Mode switch button, Long press 3 seconds to switch initiator/listener mode.

❺ LED: Mode indicator, blue is listener mode, red is initiator mode.

(Note: The listener mode can be connected to a terminal with RTP-MIDI function such as a computer, and the initiator mode can be actively connected to the RTP-MIDI device of DOREMiDi.)

3. Product Parameters

Name	Description
Model	UR-1 Pro
Size (L x W x H)	83 x 55 x 30mm
Weight	110g
USB Interface	Standard high-speed USB2.0 MIDI HOST interface
MIDI LAN Interface	Standard Ethernet RTP-MIDI interface
Indicator Light	Network communication indicator, USB working indicator, Network working indicator
POWER Interface	Use DC interface for power supply, power supply voltage 5V~9VDC
USB Compatibility	Compatible with all MIDI devices with MIDI function USB TO HOST interface
Listener Mode	Support up to 5 RTP-MIDI terminals connected at the same time
Initiator Mode	Support up to 3 DOREMiDi RTP-MIDI devices connected at the same time
Power Consumption	About 1W, 105mA (@9VDC), 185mA (@5VDC), When the USB HOST is not connected to the device.

4. Steps for usage

1. Power supply: Use a 5~9VDC adapter to supply power to the product through the "DC IN" interface.
2. Connect a USB MIDI device: Connect a USB MIDI instrument through the "USB HOST" interface. After the connection is successful, the "USB HOST" indicator will light up.
3. Connect to the local area network: Use the RJ45 network cable to connect the "MIDI LAN" interface of the UR-1 Pro to a network router or network switch.
4. Listener Mode: Long press the mode button for 3 seconds, when the indicator light is blue, it indicates the listener mode. The UR-1 Pro can be discovered and connected through a computer or other terminal. The indicator light flashes when it is not connected, and the indicator light is always on after the connection is successful. refer to "DOREMiDi Network MIDI Configuration Manual V1.0.pdf" at *www.doremidi.cn*
5. Initiator Mode: Long press the mode button for 3 seconds, when the indicator light is red, it means the initiator mode. In initiator mode, UR-1 Pro will automatically search for DOREMiDi's RTP-MIDI devices in the local area network and actively connect. The indicator light flashes when not connected, and the indicator light is always on when the connection is successful.

(Note: When an RTP-MIDI device (such as a computer) in the local area network sends a SysEx message to the UR-1 Pro device, the maximum data size of each packet must not exceed 10K bytes.)

5. Precautions

1. This product contains a circuit board.
2. Rain or immersion in water may cause the product to malfunction.
3. Do not heat, press, or damage internal components.
4. Non-professional maintenance personnel are not allowed to disassemble the product.
5. The working voltage of the product is 5VDC, using a voltage lower or exceeding this voltage may cause the product to fail to work or be damaged.

6. Q&A

Question: Can the USB HOST interface provide power to USB MIDI instruments?
Answer: You can supply power, but pay attention to whether the power input of the "DC IN" can meet the working requirements of the musical instrument.

Question: The USB HOST interface does not work.
Answer: Please follow the steps below:

- Ensure that the "DC IN" power supply is normal.
- Confirm that the instrument can work normally and that the instrument's USB interface is equipped with MIDI functions (for example, it can recognize MIDI devices when connected to a computer).
- Try to power the UR-1 Pro through “DC IN” first, and then connect to the instrument through “USB HOST”, and see if the indicator light of “USB HOST” lights up.
- If the “USB HOST” indicator still doesn't light up, or MIDI messages cannot be transmitted after it’s on, please contact customer service to solve it.

- If the USB interface of your instrument requires a USB driver to be used on the computer, please contact customer service to update the UR-1 Pro firmware.

Question: In the slave mode, the computer does not find the UR-1 Pro.
Answer: Please make sure that the computer and UR-1 Pro are in the same local area network.
If it is not resolved, please refer to "DOREMiDi Network MIDI Configuration Manual V1.0.pdf" at *www.doremidi.cn*.

Question: In the main mode, the UR-1 Pro cannot connect to RTP MIDI devices.
Answer: Please make sure that it is the RTP MIDI device of DOREMiDi; in addition, please make sure that the RTP MIDI device and UR-1 Pro are in the same local area network.

Question: iPhone cannot be connected, but other devices can be connected.
Answer: Please turn off the private address switch in the mobile network settings.

Question: MIDI LAN does not know how to connect to the network.
Answer: Configure MIDI network: refer to "DOREMiDi Network MIDI Configuration Manual V1.0.pdf" at *www.doremidi.cn*.

If the problem is not resolved, please contact customer service.

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