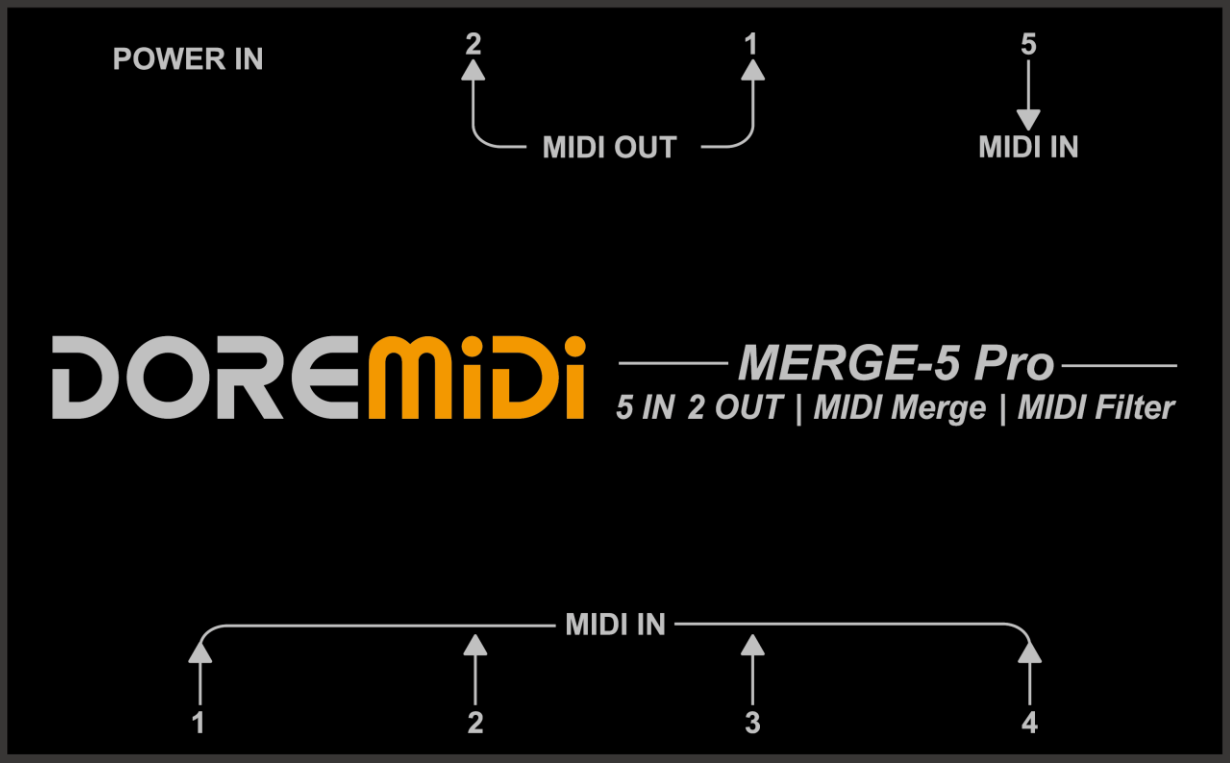
DOREMiDi
www.doremidi.cn

MIDI MERGE-5 Pro Box (MERGE-5 Pro)

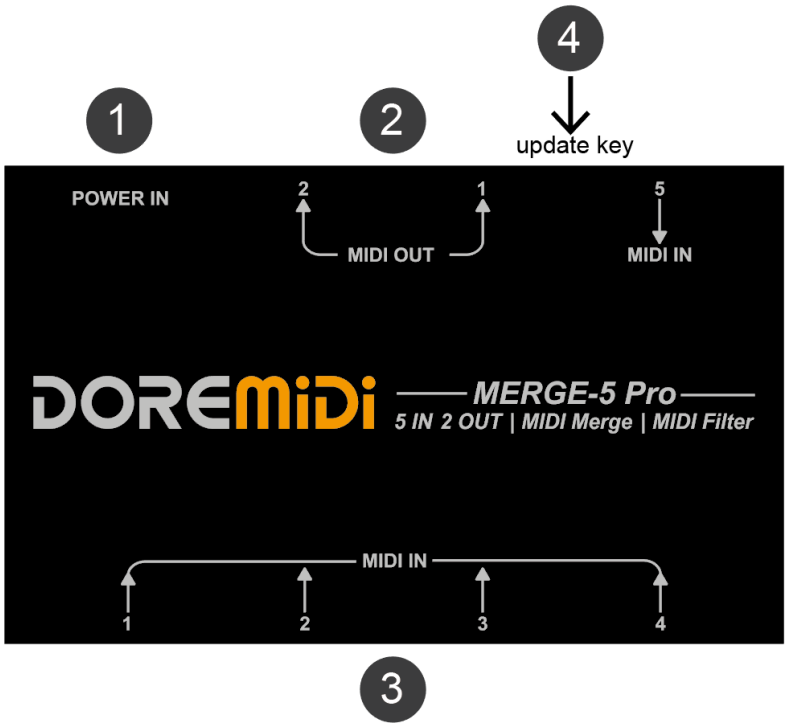


Instructions

1. Product Introduction

MIDI MERGE-5 Pro box (MERGE-5 Pro), is a MIDI Merger & Filter designed by DOREMiDi. MERGE-5 Pro can merge up to 5 MIDI input signals (such as MIDI keyboards or controllers) into 1 MIDI data stream, which can be output directly through 2 MIDI interfaces. MERGE-5 Pro supports configuring each MIDI port to filter various types of MIDI messages, which supports the merging of various standard MIDI commands, including MIDI Note, MIDI CC, MIDI PC, MIDI Clock, MIDI Time Code and MIDI SysEx, etc.

2. Appearance



❶ POWER IN: POWER IN: Use the USB-B plug to supply power to the product, the power supply voltage is 5V; the indicator light flashes after power supply, if connected to the computer, the indicator light is always on.

❷ MIDI IN 1-5: MIDI input port, using a standard five-pin MIDI cable, connected to the output port of the MIDI device.

❸ MIDI OUT 1-2: MIDI output port, using a standard five-pin MIDI cable, connected to the input port of the MIDI device.

❹Update Key: Firmware upgrade button, press and hold the button and power on the product, the product will enter the upgrade mode, and the indicator light will flash quickly.

3. Product Parameters

Name	Description
Model	MERGE-5 Pro
Size (L x W x H)	115*73*33mm
Weight	210g

Power Consumption	60~100mA@5V
MIDI Port	5 input, 2 output, standard MIDI five-pin port.
Power In Port	Powered by USB-B port, 5VDC.
Indicator Light	Product working indicator.
MIDI Compatibility	Compatible with all musical instruments with MIDI standard port.
Firmware Upgrade	Support firmware upgrade.

4. Step for usage

1) Power supply: Use a 5V USB power supply to supply power to the product through the "POWER IN" USB-B port.

   (Note: The USB-B port has no MIDI communication function.)

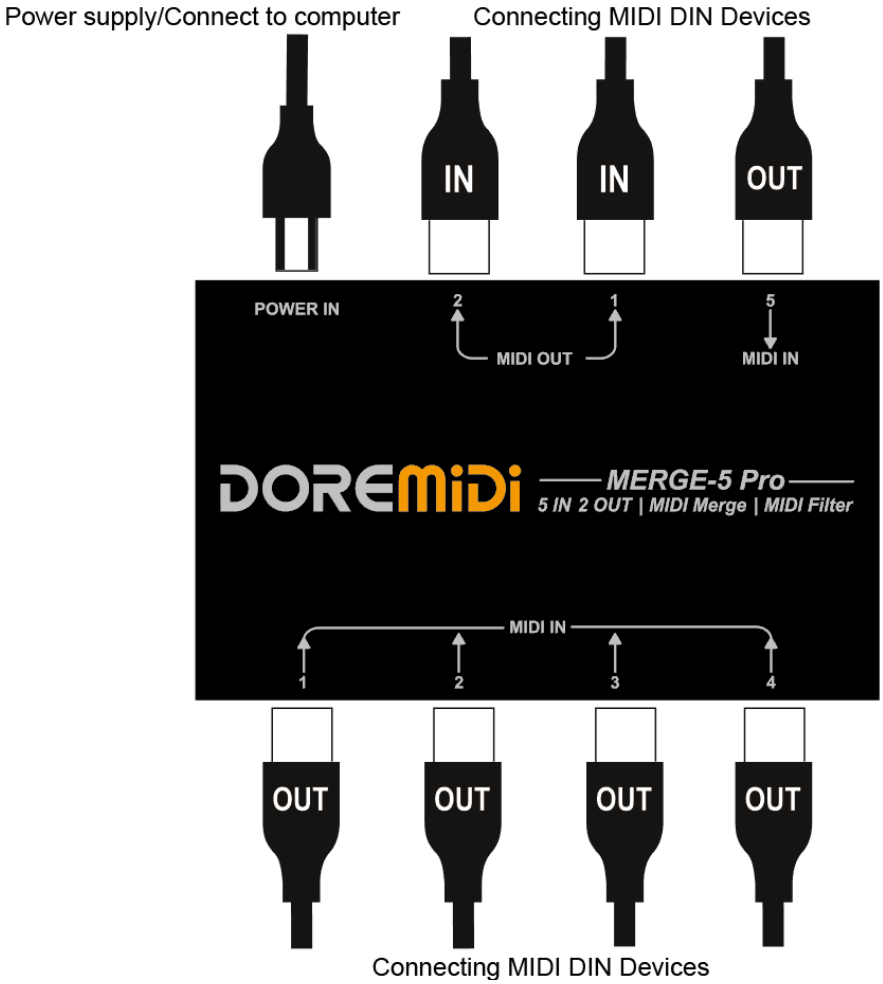
2) Connect MIDI input device: Use a standard five-pin MIDI cable to connect the MIDI OUT port of the MIDI device to the MIDI IN port of the MERGE-5 Pro.

3) Connect MIDI output device: Connect the MIDI OUT of the MERGE-5 Pro to the MIDI IN of the MIDI device using a standard five-pin MIDI cable.

(Note: This product supports communication SysEx messages with a maximum length of 512 bytes/packet.)

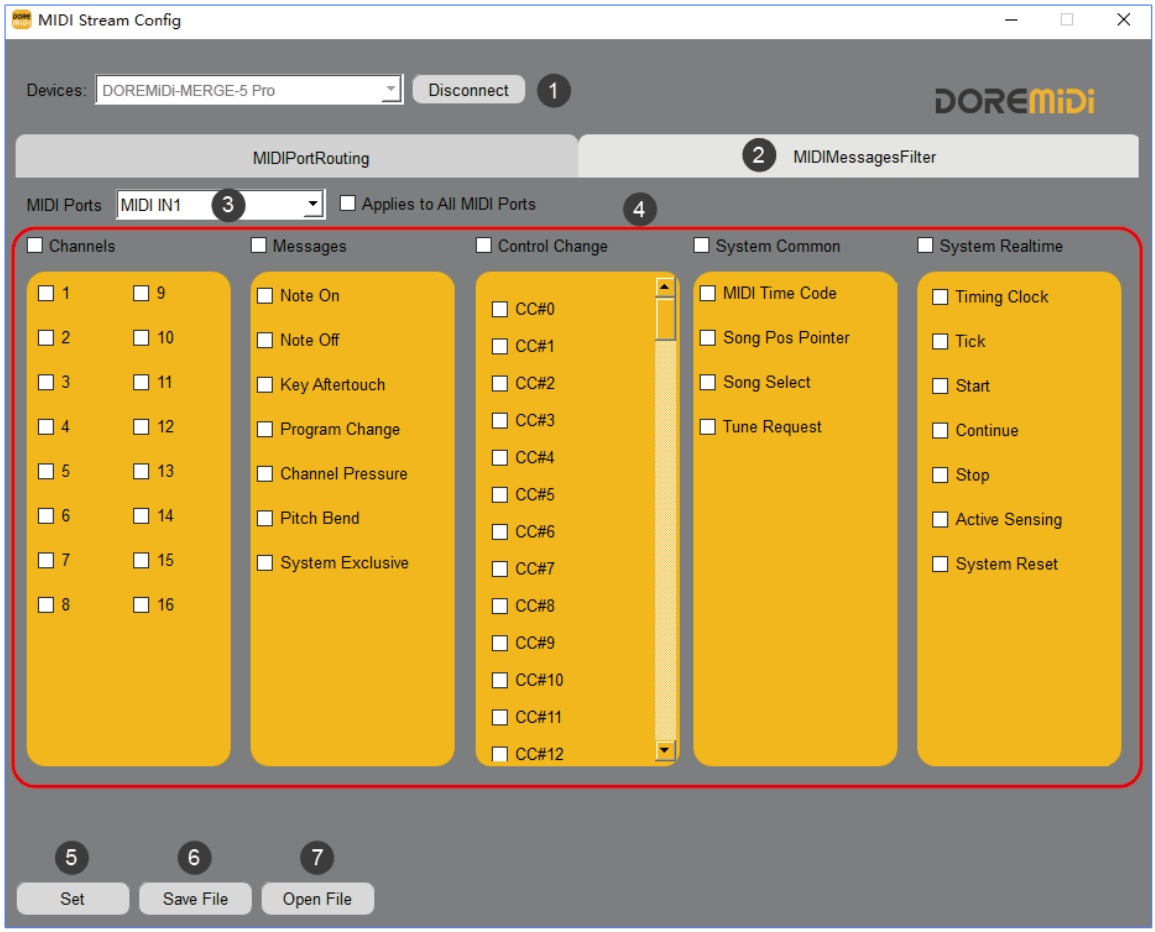
5. Connection

Support 5 MIDI inputs combined into 2 MIDI outputs.



6. Configure MIDI filtering

By using the "MIDI Stream Config" software, MERGE-5 Pro can configure the MIDI message filtering function of each MIDI port. The software can be downloaded at www.doremidi.cn. As shown in the picture:



❶ Select the DOREMiDi device and click "Connect".

❷ Select "MIDI Messages Filter".

❸ Select the MIDI port that needs to be filtered. If all MIDI ports filter the same content, you can select "Applies to All MIDI Ports".

❹ Select the content to be filtered, please refer to the following:

Filter Type	Description
Channels	MIDI channel, filter all messages of this MIDI channel.
Messages	MIDI message type, filter MIDI messages of this type in all MIDI channels.
Control Change	MIDI CC controller, filter the messages of this MIDI CC controller in all MIDI channels.
System Common	MIDI system messages, filter MIDI messages of this type.
System Realtime	MIDI system real-time time message, will filter this type of MIDI message.

❺ Set, after selecting the filter item, you need to click "Set" to complete the filter configuration.

❻ Save File, after configuration and filtering, it can be saved as a file for quick recall in the future.

❼ Open File, open the filter configuration file.

7. Precautions

1) This product contains a circuit board.
2) Rain or immersion in water will cause the product to malfunction.
3) Do not heat, press, or damage internal components.
4) Non-professional maintenance personnel shall not disassemble the product.
5) If the product is disassembled or damaged by improper use, the warranty is not available.

8. Questions & Answers

1) Question: Can USB-B be connected to a computer to communicate MIDI?

   Answer: No, USB-B is used to power the product and configure filtering, and it does not have MIDI communication function.

2) Question: When multiple MIDI devices are connected to the MIDI IN port, the data output by MIDI OUT will be disordered, lost, or delayed, etc.

   Answer: Please check as follows:

- Please check whether the power supply of MERGE-5 Pro is 5V/1A, and whether the power supply of external MIDI input and output devices is normal.
- Check the MIDI channel: Please check the device connected to the MIDI IN to see if the MIDI channel conflicts. If the MIDI channel is the same and contains the same MIDI message, there may be a note loss caused by overlapping notes.
- Please check whether there are a large number of MIDI SysEx messages generated, a large number of SysEx will hinder the transmission of other MIDI messages, resulting in note delay.
- Please check whether the filtering configuration of MIDI messages is correct and whether the required MIDI messages are filtered.

3) Question: MERGE-5 Pro is not recognized when connected to the computer.

   Answer: Please install the driver "Virtual COM Port Driver V1.5.0.zip", which can be downloaded from the official website: www.doremidi.cn

If not resolved, please contact customer service.

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