DOREMiDi
www.doremidi.cn

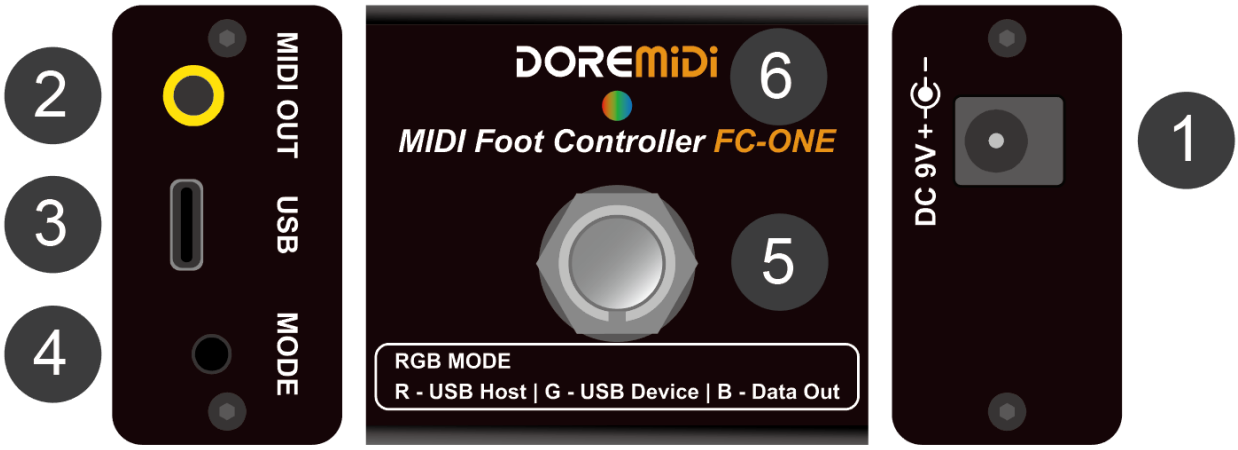
MIDI Foot Controller (FC-ONE)

Instructions

1. Introduction

FC-ONE is a sturdy, compact and multifunctional MIDI pedal. FC-ONE can send customized MIDI CC/PC/NOTE messages, supports up to 16 different MIDI messages output at the same time, and supports Single / Toggle / Reset / Increase / Decrease trigger modes. In addition, FC-ONE has a variety of MIDI output ports that can be connected to computers, USB MIDI device, and MIDI DIN devices.

2. Appearance



❶ DC 9V: Product power supply port, use 9V-DC adapter for power supply. (DC plug: 5.5*2.1mm, Tip negative and Ring positive)

❷ MIDI OUT: Type-A MIDI-TRS port, connect 3.5mm to MIDI five-pin cable and output MIDI messages.

❸ USB: USB-C port, supports USB Device and USB Host modes, can be connected to a computer terminal, or can be connected to a USB MIDI device port. (Note: USB device ports are generally marked USB To HOST or USB Device).

❹ MODE: Mode switching button, click to switch the working mode of the USB port.

❺ Pedal: Outputs MIDI messages when pressed.

❻Indicator light: RGB indicator light, showing the working status of FC-ONE. (Note: Red: USB Host mode, green: USB Device mode, blue: MIDI message output)

(Note: For more detailed usage, please refer to 4. Steps for usage.)

3. Product Parameters

Name	Description
Model	FC-ONE
Size (L x W x H)	53*44*43mm
Weight	53g
Power supply	9V/500mA
Consumption	About 20mA@9V
USB DEVICE Interface	USB class compliant, plug and play
USB HOST Output Power	Maximum 2A@5V, depends on the input power of DC
USB HOST Compatibility	Compatible with USB class compliant MIDI devices Compatible with some known not USB class compliant MIDI devices
MIDI Compatibility	Compatible with all musical instruments with MIDI standard interface, compatible with all MIDI type messages

4. Steps for usage

1) **Power supply:** Use a 9V-DC adapter to power the FC-ONE. Pay attention to the polarity of the adapter (Tip negative and Ring positive). After power is supplied, the RGB indicators light up in order. FC-ONE can also be powered via USB-C. USB-C supports 5V input.

   (Note: Do not use other voltage inputs, as it may cause product damage or failure to work properly.)

2) **Configure the pedal's MIDI messages:** Click the "MODE" button to make FC-ONE work in "USB Device" mode (green light flashes), connect the USB to the computer, and the green light flashes after the connection is successful. Use "Pedal Config Tool" to configure the MIDI message of the pedal.

   (Note: For the configuration method, see 5. Configure pedal MIDI messages.)

3) **Connect to computer DAW software:** Click the "MODE" button to make FC-ONE work in "USB Device" mode (green light flashes), connect the USB to the computer, and the green light flashes after the connection is successful. Configure "FC-ONE" as MIDI input in the DAW software.

4) **Connect the USB MIDI device:** Click the "MODE" button to make FC-ONE work in "USB Host" mode (red light flashes), connect the USB to the USB MIDI device, and the red light flashes after the connection is successful.

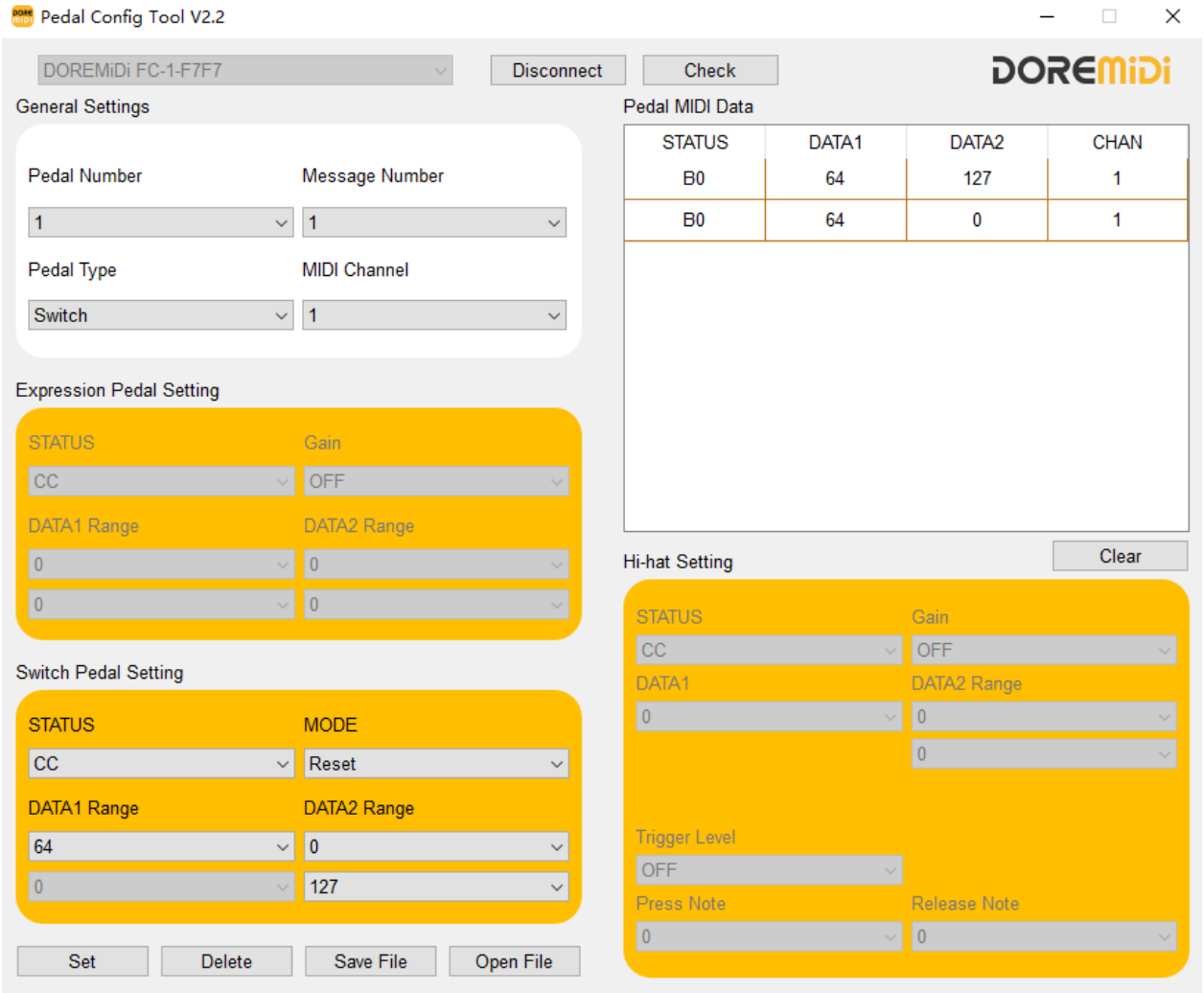
   (Note: When FC-ONE is working in "USB Host" mode, the USB HOST port can power the USB MIDI device. Please pay attention to whether the power of the DC adapter can meet the working power of the USB MIDI device.)

5) Connect MIDI DIN devices: Connect the MIDI OUT of FC-ONE to the MIDI IN port of the MIDI device through a 3.5 to MIDI DIN 5-pin cable.

5. Configure pedal MIDI messages

1) Click the "MODE" button to make FC-ONE work in "USB Device" mode (green light flashes), connect the USB to the computer, and the green light flashes after the connection is successful.**(Note: If MIDI messages are not configured, the FC-ONE default value is MIDI CC = 64 (sustain).)**

2) Open the configuration software (Pedal Config Tool) → select "DOREMiDi FC-1-xxxx" → click "Connect" → click "Check", displayed as follows:
(Note: Each product has a 4-digit unique code "xxxx". When multiple products are connected to the computer, different products can be distinguished by the unique code.)



a. Software environment: supports Mac OS, Windows 7 and above operating systems.

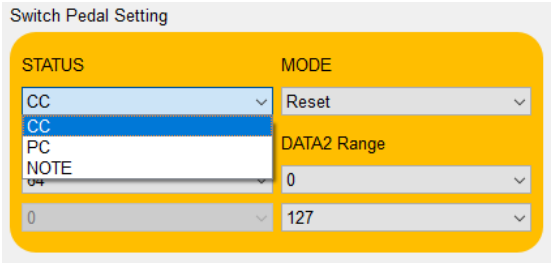
b. Pedal Number: The current pedal number, FC-ONE is fixed at 1.

c. Pedal Type: FC-ONE is fixed to “Switch”.

d. Message Number: FC-ONE can set 1 to 16 independent MIDI messages. When the pedal is pressed, up to 16 MIDI messages can be sent at the same time.

e. MIDI Channel: Set the MIDI channel for each MIDI message, there are 1~16 MIDI channels.

f. STATUS: Set the MIDI message type. FC-ONE supports configuring the MIDI message type to CC/PC/NOTE, as shown in the figure:



(Note: CC: MIDI Continue Control, generally used to control various MIDI effects. PC: MIDI Program Change, generally used to change timbre or effects. NOTE: MIDI notes.)

g. MODE: Set the trigger mode of the switch pedal, with Single, Toggle, Reset, Increase, Decrease five trigger modes:

MODE	Description
Single	Each time the pedal is pressed and released, the value of DATA1/DATA2 is sent only once.
Toggle	Each time the pedal is pressed and released, the values of the DATA1/DATA2 Range are sent alternately.
Reset	Press the pedal to send the value of the first data frame of DATA1/DATA2, release the value of the second data frame of DATA1/DATA2.
Increase	Each time the pedal is pressed and released, the value will increment in the DATA1/DATA2 Range.
Decrease	Each time the pedal is pressed and released, the value will decrease in the DATA1/DATA2 Range.

h. DATA1/DATA2 Range: Set the range of pedal MIDI messages. When the pedal is depressed, FC-ONE will send MIDI messages within the range.

i. Set: After Set the parameters, click "Set" to set the FC-3.

j. Delete: Delete all configurations of the pedal. **(Note: After deleting the configuration, FC-ONE uses MIDI CC = 64 (sustain) by default)**

k. Save File: Save the current pedal settings.

l. Open File: Load the settings of the pedal.

m. MIDI message display box. After triggering the pedal, the MIDI message of the pedal will be displayed in the display box; STATUS is in hexadecimal, DATA1, DATA2, and CHAN are in decimal.

6. 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.

7. Questions & Answers

1) Question: Computer USB cannot recognize the device.

   Answer: Make sure that the device is working in "USB Device" mode, connect USB to the computer and the indicator light will turn red; try to install the MIDI driver, installation method: https://windowsreport.com/install-midi-drivers-pc/

2) The configuration software (Pedal Config Tool) cannot select the device.

   Answer: Please follow the steps below:

- Confirm that the USB connection of FC-ONE is stable and reliable.
- Confirm that FC-ONE is working in "USB Device" mode (after clicking the MODE button, the green light flashes).
- Install USB driver: Download Virtual COM Port Driver V1.5.0.zip from the official website: www.doremidi.cn.

3) Question: Can the USB HOST port supply power to USB MIDI device?

   Answer: Yes, but pay attention to whether the power input of "DC IN" can meet the working requirements of USB MIDI device.

4) Question: The USB HOST port does not work.

   Answer: Please follow the steps below:

- Make sure that the FC-ONE power supply is normal. If you use the USB HOST port to power USB devices, please make sure that the DC IN power can meet the working requirements of the USB device.
- Make sure that FC-ONE is working in "USB Host" mode (after clicking the MODE button, the red light flashes).
- Make sure whether the USB MIDI device is a USB class-compliant device. This device does not need to install a driver when connected to the computer. If it is not a USB class-compliant device, it may not be compatible with this product.
- Make sure that the USB port is connected to a USB MIDI device, the red indicator light will flash. If the indicator light still does not flash, or MIDI messages cannot be transmitted after flashing, please contact customer service.

5) Question: The MIDI OUT connector does not work.

   Answer: Please follow the steps below:

- Make sure that the "MIDI OUT" of the product is connected to the "MIDI IN" of the MIDI device.
- When MIDI OUT has MIDI message output, the blue indicator light will flash.

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

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