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## DOREMiDi FC-3

# DOREMiDi FC-3 MIDI Foot Controller User Manual

Model: FC-3

## INTRODUCTION

The DOREMiDi FC-3 MIDI Foot Controller is a versatile device designed for foot control in musical applications. It features USB HOST, USB Device, and MIDI DIN interfaces, allowing for flexible connectivity with various musical instruments and computer systems. The FC-3 is equipped with three configurable switch pedals and supports the connection of positive and negative expression pedals, providing comprehensive control over MIDI messages.

## KEY FEATURES

- Integrated USB HOST, USB Device, and MIDI DIN interfaces for broad compatibility.
- Supports connection of positive and negative expression pedals, which are configurable.
- Features three configurable switch pedals for various control needs.
- Switch pedals offer Single, Toggle, Reset, and Increase/Decrease modes.
- Each pedal is capable of editing up to 16 different MIDI messages.

## SETUP

### Physical Connections

Before operating the FC-3, ensure all necessary connections are made securely. Refer to the diagrams below for proper port identification and cable connection.



Figure 1: Rear view of the FC-3 with connected cables. This image shows the DC IN 5V-12V port, USB DEVICE port, USB HOST port, MIDI OUT port, and 4/EXP (Expression Pedal) input.



Figure 2: Side view of the FC-3 with cables connected, providing a clearer view of the port labels and cable types.



Figure 3: Top panel diagram of the FC-3, highlighting key components and their functions. (1) DC IN 5V-12V, (2) USB DEVICE, (3) USB HOST, (4) MIDI OUT, (5) 4/EXP (Expression Pedal), (6) Pedal 1/-, (7) Pedal 3/+, (8) Pedal 2/Shift, (9) Display Screen.

- **Power Connection:** Connect the provided power adapter or a compatible 5V-12V DC power supply to the "DC IN 5V-12V" port. Note that the power input uses reverse polarity compared to some other pedals; use the provided adapter or cable.
- **USB Device Connection:** Use a USB cable to connect the "USB DEVICE" port to your computer. This allows the FC-3 to

function as a MIDI input device for your computer.

- **USB Host Connection:** Connect MIDI devices with a USB MIDI interface to the "USB HOST" port.
- **MIDI DIN Connection:** Connect devices with a traditional MIDI IN port to the "MIDI OUT" port using a standard MIDI cable.
- **Expression Pedal Connection:** Connect a positive or negative expression pedal to the "4/EXP" input for continuous control.

## Software Setup

For computer connectivity, a separate virtual COM driver may be required for Windows operating systems. This driver allows your computer to recognize the FC-3 as a MIDI input device. Refer to the manufacturer's website for the latest drivers compatible with your operating system (e.g., Windows 10 or 7). It is recommended to install the driver before connecting the FC-3 to your computer via the USB Device port.

The FC-3 is compatible with various software applications, including Ableton Live, Avid Pro Tools, and FL Studio.

## OPERATION

The DOREMiDi FC-3 offers extensive customization for its three switch pedals and expression pedal input. Understanding the different modes and programming capabilities is key to utilizing its full potential.



Figure 4: Operational overview of the FC-3, showing USB Device connection to computer, USB Host connection, MIDI DIN output, and the display interface for editing switch pedal and expression pedal parameters.

## Switch Pedal Modes

The three switch pedals (labeled 1/-, 2/Shift, and 3/+) can be configured to operate in several modes:

- **Single:** Sends a single MIDI message upon press.
- **Toggle:** Alternates between two MIDI messages (e.g., on/off) with successive presses.
- **Reset:** Resets a parameter to a default value.
- **Increase/Decrease:** Increments or decrements a MIDI control change value.

## MIDI Message Editing

Each of the three switch pedals and the expression pedal input can be programmed to send up to 16 different MIDI messages. This allows for complex control setups. The device supports editing up to 16 x 3 switch pedals + 16 expression pedals, referring to the number of programmable "banks" or sets of messages.

To program the pedals, connect the FC-3 to your computer via the USB Device port and use the dedicated editor software. The software allows you to assign specific MIDI messages (e.g., Program Change, Control Change, Note On/Off) to each pedal and configure their behavior.

## Bank Switching

The FC-3 organizes its MIDI messages into 16 banks. To switch between these banks:

- To move to a **lower bank**, simultaneously press pedals 1 and 2.
- To move to a **higher bank**, simultaneously press pedals 2 and 3.



The current bank number is displayed on the FC-3's screen. While the display is compact, it indicates the active bank for reference.

## MAINTENANCE

To ensure the longevity and optimal performance of your DOREMiDi FC-3 MIDI Foot 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 FC-3 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 the internal circuitry or external casing.
- **Power Supply:** Always use the provided power adapter or a compatible power supply with the correct voltage and polarity. Incorrect power supplies can cause damage.
- **Cable Management:** Ensure cables are not excessively bent or tangled, which can lead to damage over time. Disconnect cables by pulling the plug, not the cable itself.

## TROUBLESHOOTING

This section addresses common issues you might encounter with your DOREMiDi FC-3 MIDI Foot Controller.

Problem	Possible Cause / Solution
Device not recognized by computer (Windows)	<ul style="list-style-type: none"><li>• <b>Missing/Incorrect Driver:</b> Ensure the virtual COM driver is correctly installed. Visit the DOREMiDi website for the latest drivers compatible with your Windows version (e.g., Windows 10 or 7).</li><li>• <b>Connection Issue:</b> Verify the USB cable is securely connected to both the FC-3's "USB DEVICE" port and your computer's USB port. Try a different USB port or cable.</li><li>• <b>Driver Installation Order:</b> It is recommended to install the driver before connecting the device. If already connected, disconnect, install the driver, then reconnect.</li></ul>
Pedal randomly switches modes (e.g., CC to Patch Change)	<ul style="list-style-type: none"><li>• <b>Firmware/Software Glitch:</b> Check the DOREMiDi website for any available firmware updates for the FC-3. Ensure you are using the latest version of the editor software.</li><li>• <b>Reprogramming:</b> If the issue persists, try resetting the pedal's configuration and reprogramming it using the editor software.</li></ul>
Latency issues with MIDI messages	<ul style="list-style-type: none"><li>• <b>Driver Performance:</b> While the virtual COM driver may introduce some latency, ensure your computer's audio interface drivers are up-to-date and optimized for low latency.</li><li>• <b>Software Settings:</b> Adjust buffer size settings in your DAW or MIDI software to optimize performance.</li><li>• <b>System Resources:</b> Close unnecessary applications running in the background to free up system resources.</li></ul>

Problem	Possible Cause / Solution
Difficulty programming pedals / Editor software issues	<ul style="list-style-type: none"><li>• <b>Software Version:</b> Ensure you have downloaded the correct and latest version of the editor software for your operating system.</li><li>• <b>User Manual/Online Resources:</b> Refer to the detailed user manual (if available) or online tutorials/forums for programming guidance. Some features might require specific steps not immediately obvious.</li><li>• <b>Reinstallation:</b> Try uninstalling and reinstalling the editor software.</li></ul>
No power / Device not turning on	<ul style="list-style-type: none"><li>• <b>Power Connection:</b> Verify the power adapter is securely connected to the "DC IN 5V-12V" port and a working power outlet.</li><li>• <b>Correct Power Supply:</b> Ensure you are using the correct power supply with the specified voltage (5V-12V) and polarity. The FC-3 uses reverse polarity.</li><li>• <b>Cable Damage:</b> Inspect the power cable for any signs of damage.</li></ul>

## SPECIFICATIONS




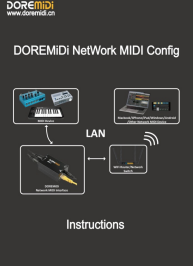
Attribute	Detail
Brand	DOREMiDi
Model Name	FC-3
Item Model Number	FC-3
Connectivity Technology	USB
Number of Keys/Pedals	3 (Switch Pedals)
Hardware Platform	PC
Musical Style	Electronic
Material Type	Aluminum
Supported Software	Ableton Live, Avid Pro Tools, FL Studio
Hardware Interface	USB
Connector Type	USB
Compatible Devices	Computers with USB ports running Windows 10 or 7
Color Name	BLACK
Item Weight	12.6 ounces
Package Dimensions	6.1 x 4.02 x 2.44 inches
Date First Available	May 10, 2023

## WARRANTY AND SUPPORT

For warranty information, technical support, or service inquiries regarding your DOREMiDi FC-3 MIDI Foot Controller, please refer to the official DOREMiDi website or contact their customer support directly. Details regarding specific warranty periods and support channels are typically provided with your product purchase or on the manufacturer's official resources.

It is recommended to register your product, if applicable, to receive updates and facilitate support processes.

Related Documents - FC-3

	<p><a href="#">DOREMiDi FC-3 MIDI Foot Controller User Manual and Configuration Guide</a></p> <p>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.</p>
	<p><a href="#">DOREMiDi HUB-8 MIDI Hub Instructions and Specifications</a></p> <p>Detailed instructions, appearance guide, connection diagram, product parameters, and troubleshooting for the DOREMiDi HUB-8 USB 3.1 MIDI Hub.</p>
	<p><a href="#">DOREMiDi UMH-21 High-Speed USB MIDI Host: Instruction Manual</a></p> <p>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.</p>
	<p><a href="#">DOREMiDi Network MIDI Config: Setup and Troubleshooting Guide</a></p> <p>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.</p>



[DOREMIDI UTB-21 Pro USB to Bluetooth MIDI Adapter - User Manual](#)

User manual for the DOREMIDI UTB-21 Pro USB to Bluetooth MIDI Adapter. Learn about its features, specifications, setup, and troubleshooting for wireless MIDI connectivity with instruments.



[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.