

DOREMiDi MPC-20

DOREMiDi MPC-20 Expression Pedal Converter Instruction Manual

Model: MPC-20

1. INTRODUCTION

The DOREMiDi MPC-20 is a versatile MIDI pedal converter designed to expand the pedal capabilities for musical instruments. It automatically detects various types of pedals, addressing situations where the number of available pedals is insufficient during performance. The MPC-20 offers both MIDI DIN and USB MIDI outputs, making it suitable for diverse performance setups.

2. KEY FEATURES

- **Automatic Pedal Detection:** Automatically identifies various types of musical instrument pedals.
- **Multiple Pedal Inputs:** Features 4 pedal connectors, supporting up to 4 expression pedals or 8 switch pedals (4 dual switch pedals).
- **Broad Compatibility:** Compatible with positive polarity expression pedals, reverse polarity expression pedals, sustain pedals, and electronic drum hi-hats.
- **Dual MIDI Outputs:** Equipped with MIDI DIN (five-pin) and USB MIDI outputs for flexible connectivity.
- **Compact Design:** Measures 3.46 x 2.8 x 1.5 inches and weighs 8.8 ounces.

3. PRODUCT OVERVIEW



Figure 1: Top-down view of the DOREMiDi MPC-20 MIDI Pedal Converter. This image highlights the USB DEVICE POWER IN port, MIDI OUT port, and the four expression pedal input jacks labeled EXP1, EXP2, EXP3, and EXP4.



Figure 2: Contents of the DOREMiDi MPC-20 package, including the converter unit, a USB cable for power and data, and the instruction manual.



Figure 3: Labeled diagram of the MPC-20 ports. (1) EXP1-EXP4 pedal inputs, (2) USB DEVICE POWER IN, (3) Update Key (button), (4) MIDI OUT.

4. SETUP AND CONNECTIONS

1. **Connect Pedals:** Connect your expression pedals, sustain pedals, dual-switch pedals, or electronic drum hi-hats to the EXP1, EXP2, EXP3, and EXP4 input jacks on the MPC-20. The MPC-20 automatically detects the pedal type.
2. **Power and USB Connection:** Connect the MPC-20 to a computer or a USB power adapter using the USB DEVICE POWER IN port. This provides power to the unit and enables USB MIDI communication.



Figure 4: MPC-20 connected to a laptop via USB for power and MIDI data, with an expression pedal connected to one of its inputs.

3. **MIDI DIN Output (Optional):** If connecting to a device with a traditional 5-pin MIDI input, use a standard MIDI cable to connect the MPC-20's MIDI OUT port to your MIDI device's MIDI IN port.



Figure 5: MPC-20 connected to a keyboard via MIDI DIN output, and powered by a USB wall adapter.

4. **Driver Installation (Windows):** If your Windows computer does not recognize the MPC-20, it may be installing the necessary driver. If issues persist, please refer to the DOREMiDi website for the latest drivers and firmware update instructions.

5. OPERATION

Once connected, the MPC-20 converts the physical input from your pedals into MIDI messages. These messages are then sent to your connected computer or MIDI device via USB or MIDI DIN. The specific function of each pedal (e.g., volume, modulation, sustain) will depend on how your receiving MIDI device or software is configured to interpret the incoming MIDI messages.

- **Expression Pedals:** Typically send Continuous Controller (CC) messages, allowing for real-time control over parameters like volume, wah, or modulation.
- **Sustain Pedals:** Send MIDI Note On/Off messages or CC messages (e.g., CC 64 for sustain) to control sustain functions on keyboards or synthesizers.
- **Dual-Switch Pedals:** Each switch can be configured to send distinct MIDI messages, often used for program changes, tap tempo, or other on/off functions.

For advanced configuration, such as assigning specific MIDI channels or CC numbers to each pedal input, you may need to use the dedicated software provided by DOREMiDi. Refer to the software's documentation for detailed instructions.

6. MAINTENANCE

- Keep the device clean and free from dust. Use a soft, dry cloth for cleaning.
- Avoid exposing the device to extreme temperatures, humidity, or direct sunlight.
- Do not attempt to disassemble or modify the unit, as this will void the warranty and may cause damage.
- Ensure all connections are secure before use.

7. TROUBLESHOOTING

- **Device Not Recognized by Computer:**
 - Ensure the USB cable is securely connected to both the MPC-20 and your computer.
 - Try a different USB port on your computer.
 - For Windows users, check the DOREMiDi website for the latest USB COM drivers and installation instructions.
 - Restart your computer and the MPC-20.
- **No MIDI Output:**
 - Verify that your pedals are correctly connected to the EXP inputs.
 - Check the MIDI connections (USB or DIN) to your receiving device.
 - Ensure the receiving MIDI device or software is correctly configured to receive MIDI messages on the appropriate channel and controller numbers.
 - If using the DOREMiDi configuration software, ensure the settings are correctly applied and saved to the device.
- **Inconsistent Pedal Response / Dropouts:**
 - Ensure the power supply is stable. If using a USB hub, try connecting directly to the computer or using a powered hub.
 - Check the condition of your pedal cables. Faulty cables can cause intermittent issues.
 - Verify that the pedals themselves are functioning correctly.
 - Consider updating the MPC-20 firmware if available. Refer to the DOREMiDi website for firmware updates and instructions. Note that firmware updates often require specific software.
- **Software Configuration Issues:**
 - Always download the newest version of the DOREMiDi configuration software from the official website.
 - If the software interface is unclear, consult the software's specific documentation or online resources.
 - Ensure the software can communicate with the MPC-20. Sometimes, a firmware update through the software itself is required before full functionality is achieved.

8. SPECIFICATIONS

Feature	Detail
Model Number	MPC-20
Dimensions	3.46 x 2.8 x 1.5 inches (88 x 73 x 38 mm)
Item Weight	8.8 ounces (0.25 Kilograms)
Connectivity Technology	USB
Number of Channels	16 (MIDI)
Compatible Devices	Keyboard, Laptop, Personal Computer
Operating System	Windows (driver may be required)
Pedal Inputs	4 (supports expression, sustain, dual-switch, hi-hat)

Feature	Detail
MIDI Outputs	MIDI DIN (5-pin), USB MIDI

9. WARRANTY AND SUPPORT

For warranty information, technical support, or to download the latest drivers and firmware, please visit the official DOREMiDi website. Keep your purchase receipt as proof of purchase for warranty claims.

Manufacturer: Shenzhen Huashi Technology Co., Ltd.

Address: 5D, Phase II, Huangjiang Industrial Park, Liuyue Community, Henggang Street, Baoan District, Shenzhen

Country of Origin: Made in China