CME H4MIDI WC

CME H4MIDI WC Instruction Manual

ADVANCED USB HOST MIDI INTERFACE

1. Introduction and Overview

The CME H4MIDI WC is a versatile and advanced USB Host MIDI Interface designed for musicians, producers, and guitarists. It provides seamless connectivity between various MIDI devices, offering robust routing, filtering, and mapping capabilities without requiring a computer for standalone operation. Its compact design and flexible power options make it ideal for both studio and live performance environments.

Figure 1: The CME H4MIDI WC USB Host MIDI Interface.

This manual provides detailed instructions for setting up, operating, and maintaining your H4MIDI WC, ensuring you can fully utilize its extensive features.

2. Key Features

- **Standalone USB Host:** Connect class-compliant USB MIDI instruments directly to your MIDI hardware without a computer. Supports up to 8 USB MIDI device ports via a standard USB hub.
- **Multi-Mode Flexibility:** Connect to your computer via USB-C for 4 inputs and 4 outputs of virtual MIDI ports. Compatible with MacOS, Windows, iOS, Android, Linux, and ChromeOS.
- **Standalone Dual Power:** Flexible power options with 5V USB or 9V DC, suitable for studio or stage use.
- **Real-Time MIDI Control:** Configure MIDI thru, split, merge, mapper, and filter options using HxMIDI Tools (Windows, macOS, iOS, Android) for advanced MIDI routing and processing.
- **Optional WIDI Bluetooth MIDI:** Expand capabilities with the optional WIDI Core module for wireless MIDI connectivity.

Figure 2: Overview of H4MIDI WC key features including MIDI router, expanded USB MIDI connectivity, 2-in-2-out MIDI, and optional Bluetooth MIDI.

3. Setup

To set up your CME H4MIDI WC, follow these steps:

1. **Power Connection:** Connect the H4MIDI WC to a power source using either a 5V USB-C cable or a standard 9V DC power supply.
2. **MIDI Connections:** Connect your 5-pin DIN MIDI devices to the MIDI IN and MIDI OUT ports on the H4MIDI WC.
3. **USB MIDI Connections:** Connect your class-compliant USB MIDI instruments to the USB-A host port. For multiple USB devices, use a standard USB hub connected to the USB-A port.
4. **Computer Connection (Optional):** For computer-based control and virtual MIDI ports, connect the H4MIDI WC to your computer via the USB-C port.
5. **WIDI Core Installation (Optional):** If using WIDI Bluetooth MIDI, insert the WIDI Core module into its designated slot.

Figure 3: The H4MIDI WC with its various input and output ports, including 5-pin DIN MIDI, USB-A, and USB-C.

4. Operating Modes

The H4MIDI WC supports several operating modes to accommodate diverse MIDI setups:

4.1. Simple Mode: USB MIDI to 5-pin DIN (Standalone)

In this mode, the H4MIDI WC acts as a bridge, allowing USB MIDI devices to communicate directly with 5-pin DIN MIDI hardware without the need for a computer. Simply connect your USB MIDI controller to the USB-A host port and your 5-pin DIN MIDI device to the MIDI IN/OUT ports.

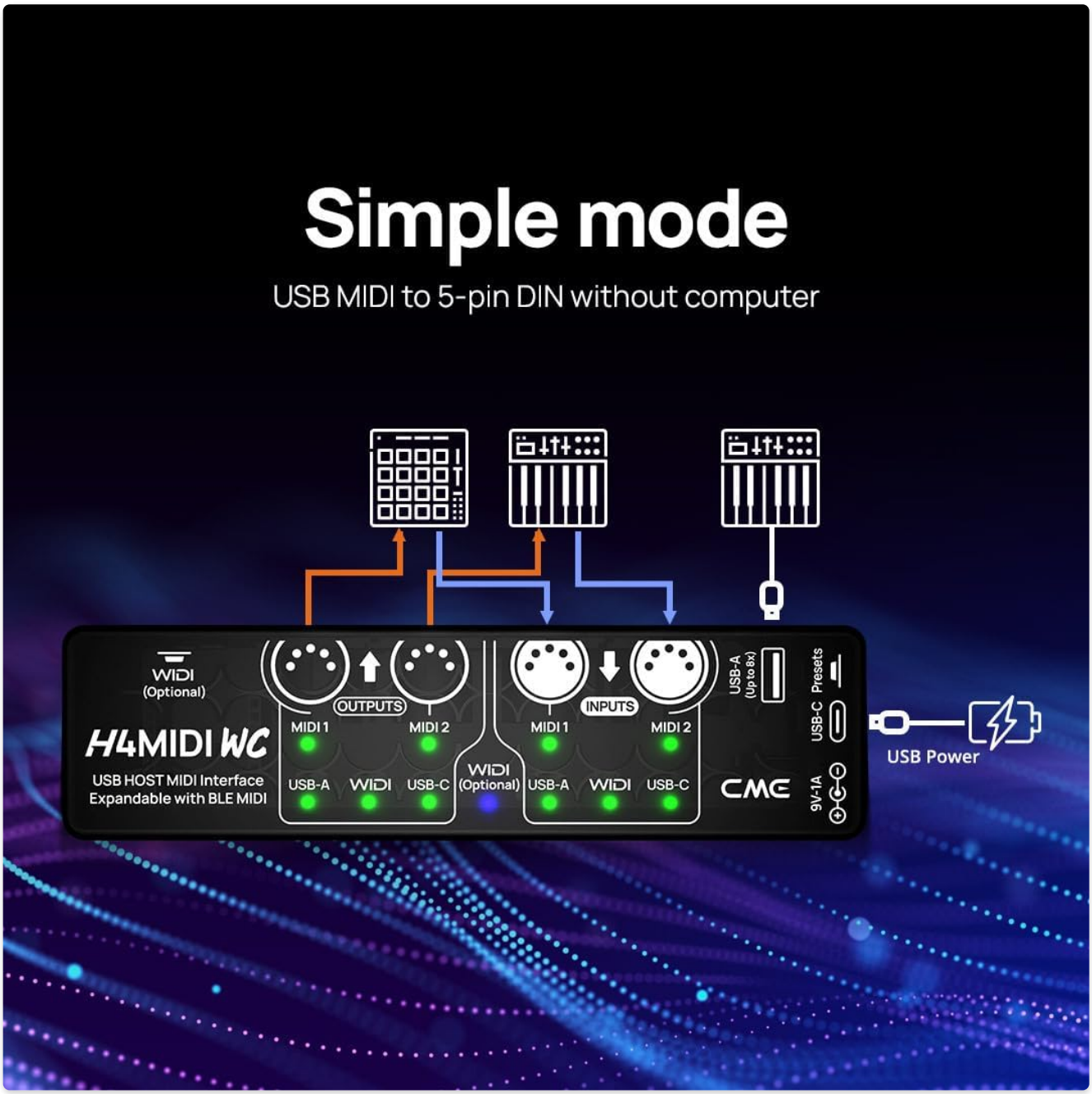


Figure 4: Simple mode setup, connecting USB MIDI to 5-pin DIN devices.

4.2. Expand Mode: Multiple USB Host Ports

Utilize a standard USB hub connected to the H4MIDI WC's USB-A host port to expand your USB MIDI connectivity up to 8-in-8-out host ports. This allows for simultaneous connection and control of multiple USB MIDI devices alongside your 5-pin DIN MIDI gear.

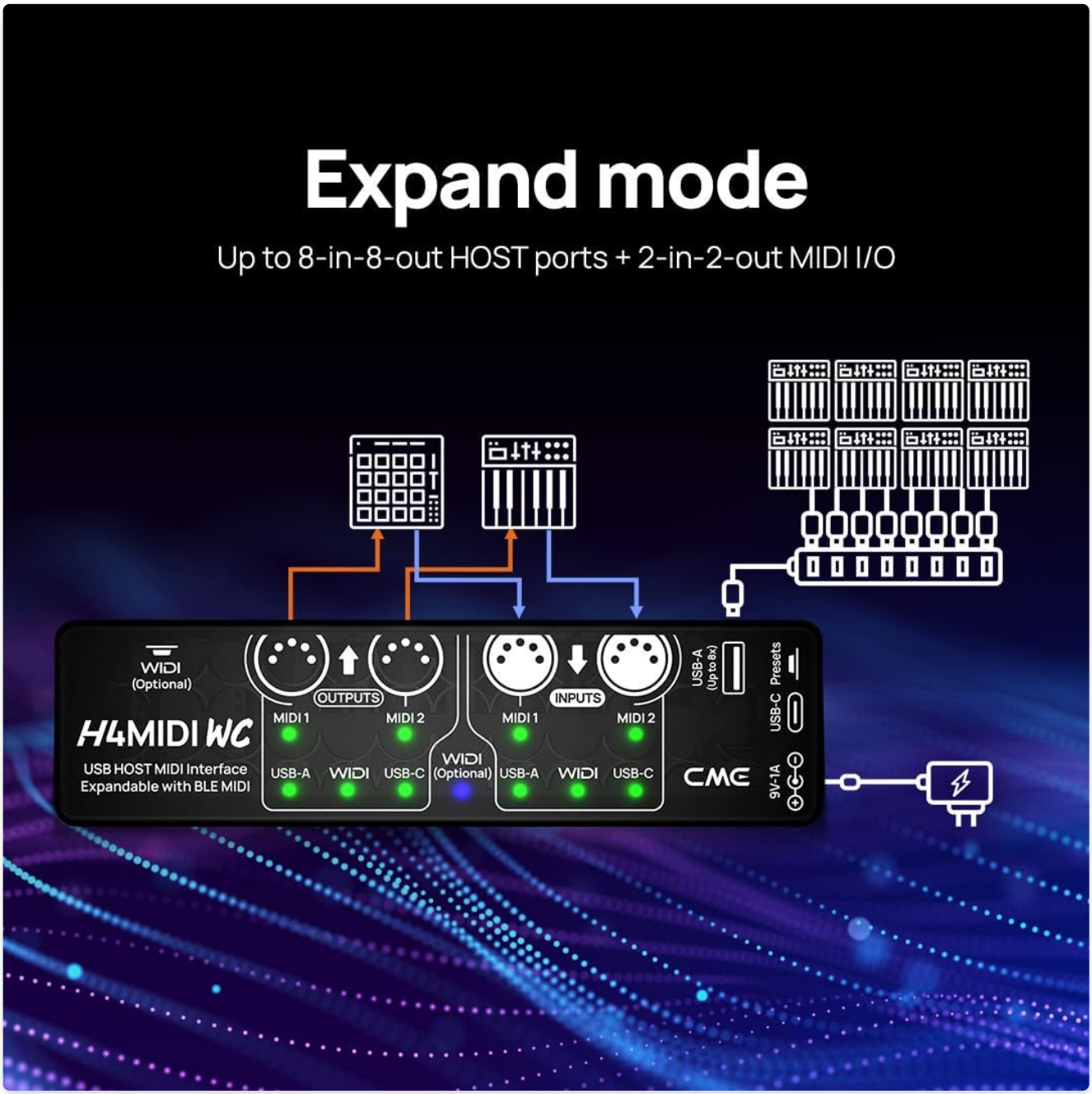


Figure 5: Expand mode setup, connecting multiple USB MIDI devices using a USB hub.

4.3. Advanced Mode: Virtual MIDI Ports via USB-C

When connected to a computer via USB-C, the H4MIDI WC provides 4 inputs and 4 outputs of virtual MIDI ports. This enables seamless integration with your Digital Audio Workstation (DAW) and other music software, allowing for complex MIDI routing and control within your computer environment.

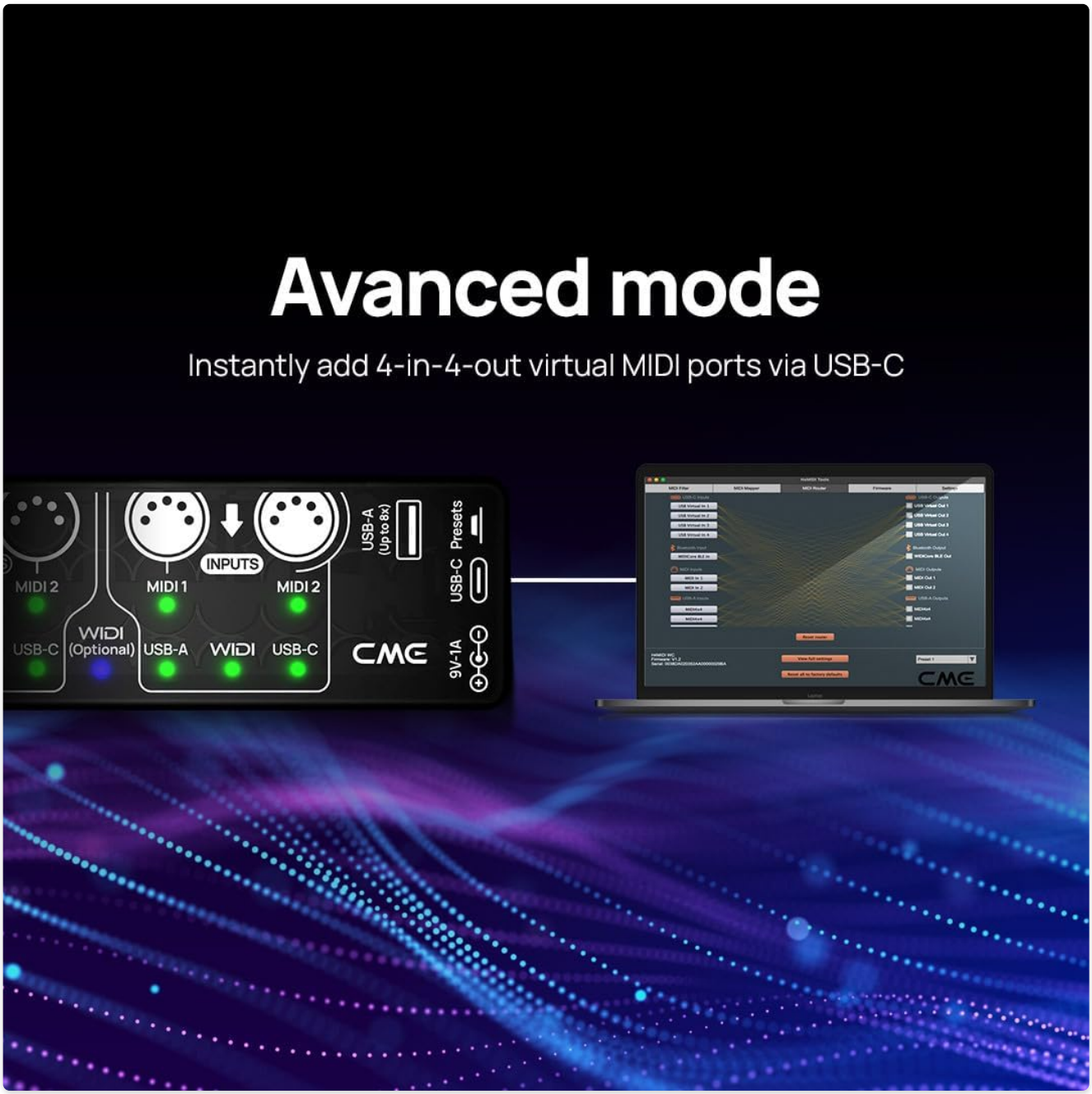


Figure 6: Advanced mode setup, utilizing USB-C for virtual MIDI ports with a computer.

4.4. Innovate Mode: WIDI Bluetooth MIDI (Optional)

For wireless MIDI connectivity, the H4MIDI WC supports the optional WIDI Core module. This provides ultra-low latency Bluetooth MIDI, allowing you to connect compatible wireless MIDI devices and reduce cable clutter in your setup.

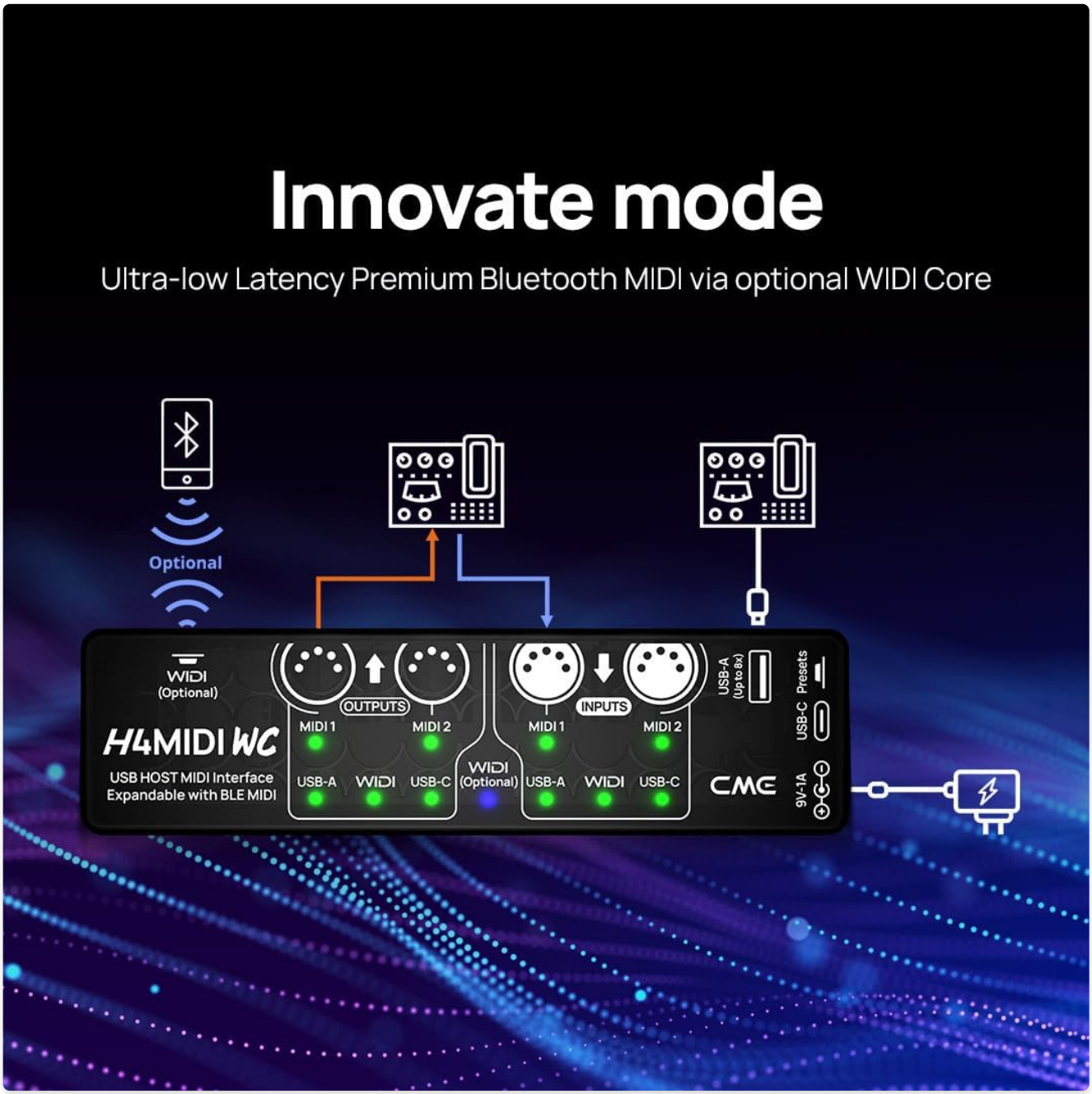


Figure 7: Innovate mode setup, integrating optional WIDI Bluetooth MIDI.

4.5. Customize Mode: HxMIDI Tools Software

The HxMIDI Tools software (available for Windows, macOS, iOS, and Android) provides comprehensive control over the H4MIDI WC's MIDI routing, filtering, and mapping capabilities. This allows for precise customization of MIDI messages to suit your specific workflow and device requirements.

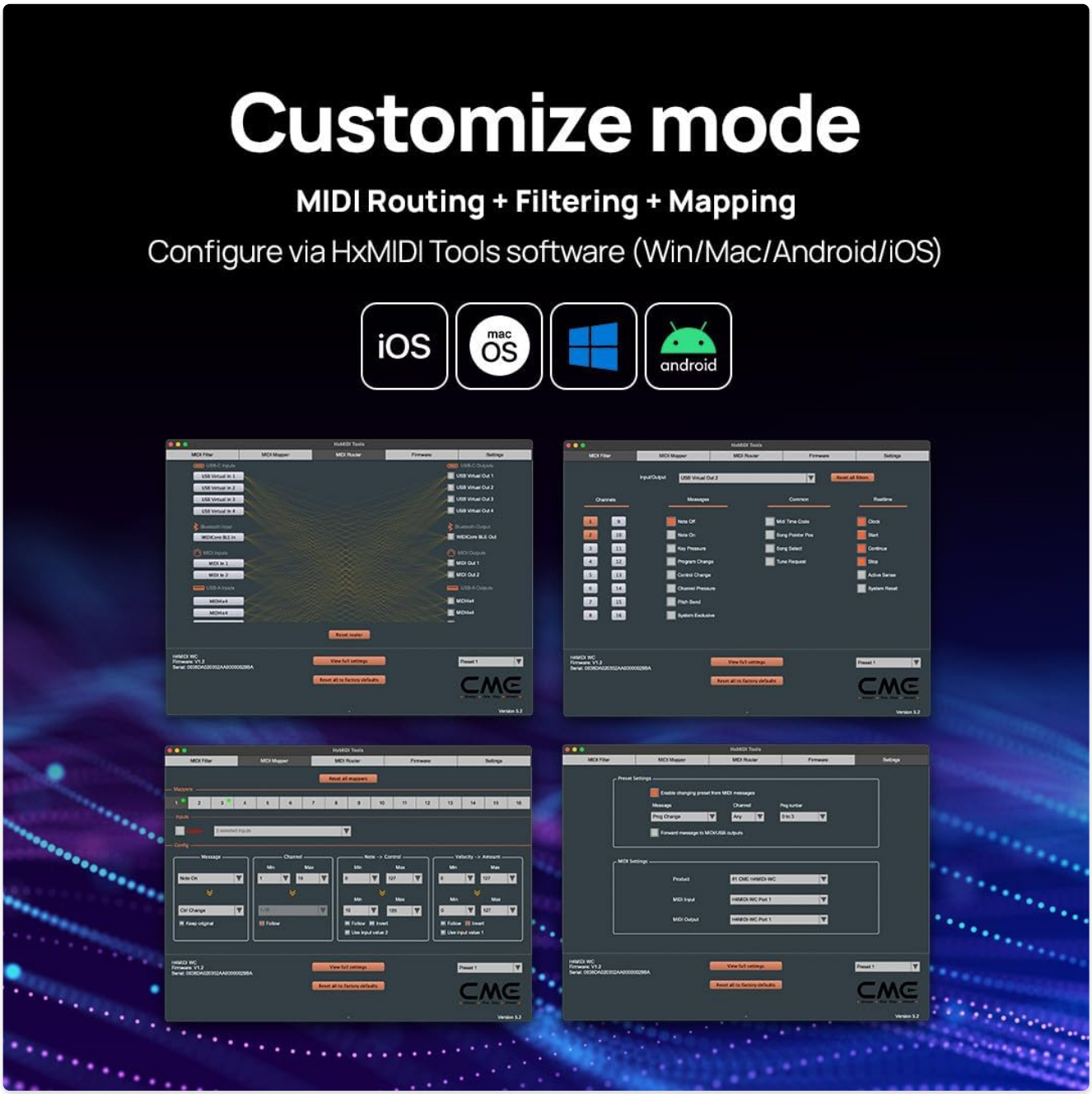


Figure 8: HxMIDI Tools software interface, demonstrating advanced MIDI configuration options.

4.6. Product Demonstration Video

Watch this official video from CME Pro to see the H4MIDI WC in action and understand its various functionalities and applications.

Video 1: Why you need the CME H4MIDI WC in your MIDI setup (60 sec). This video demonstrates the interface's capabilities, including 5-pin MIDI, USB MIDI, computer connectivity, WIDI Core integration, and HxMIDI Tools software.

5. Connectivity

The H4MIDI WC offers comprehensive connectivity options:

- **5-pin DIN MIDI:** Two input and two output ports for traditional MIDI hardware.
- **USB-A Host:** One port for connecting class-compliant USB MIDI devices. Expandable up to 8-in-8-out via a

USB hub.

- **USB-C Client:** One port for connecting to computers, providing 4-in-4-out virtual MIDI ports.
- **WIDI Bluetooth MIDI:** Optional wireless connectivity via the WIDI Core module, offering 1-in-1-out BLE MIDI and 1-to-4/4-to-1 group connectivity.

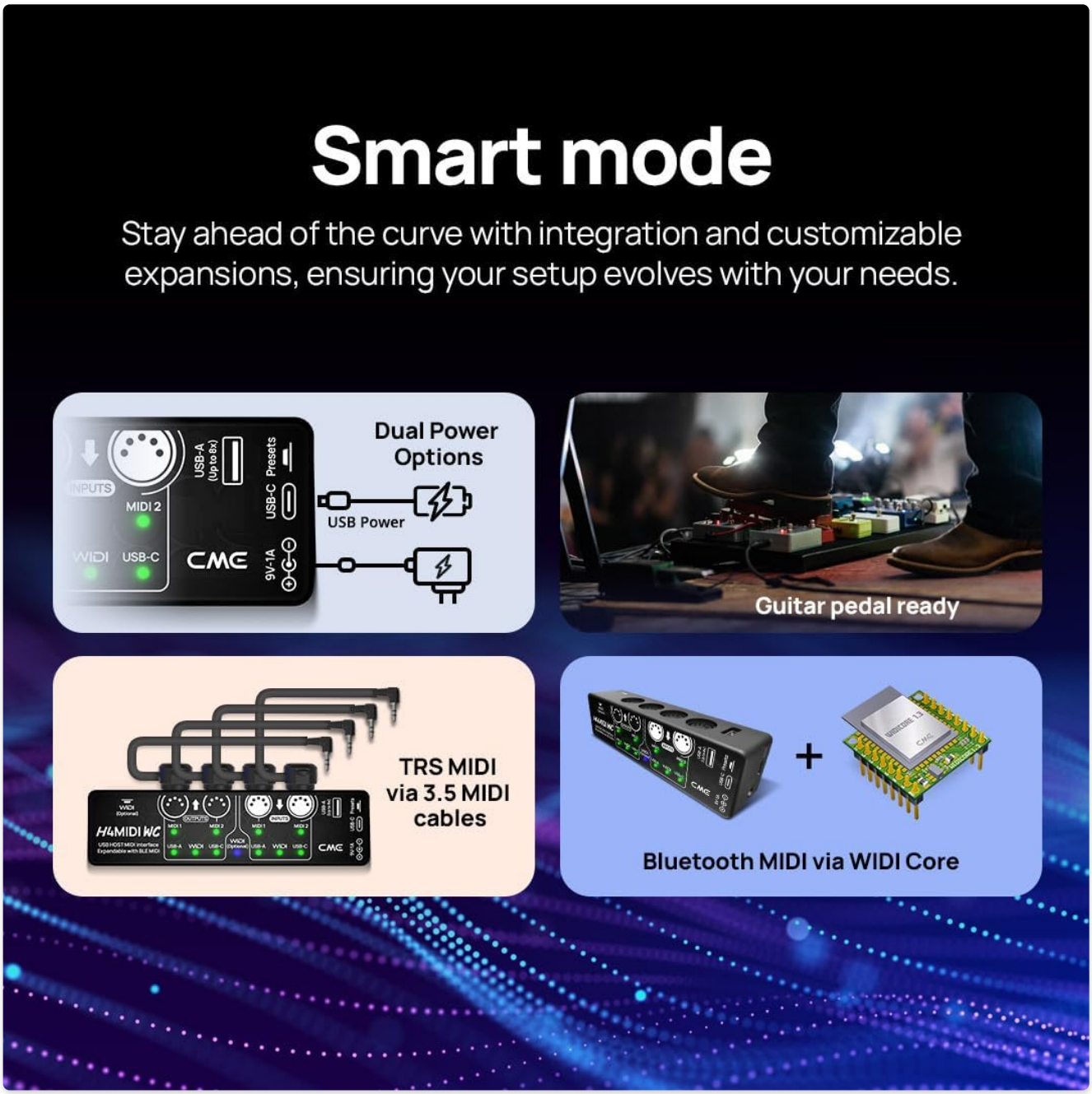


Figure 9: Smart mode features, highlighting dual power options, pedalboard compatibility, TRS MIDI cable usage, and Bluetooth MIDI integration with WIDI Core.

6. Power

The CME H4MIDI WC can be powered in two ways:

- **5V USB Power:** Connect a standard USB-C cable to a 5V USB power adapter or a computer's USB-C port.
- **9V DC Power:** Use a standard 9V DC power supply (center negative, 1A minimum) for standalone operation, particularly useful for integration with guitar pedalboards.

7. Maintenance

To ensure the longevity and optimal performance of your H4MIDI WC, follow these general maintenance guidelines:

- Keep the device clean by wiping it with a soft, dry cloth. Avoid using abrasive cleaners or solvents.
- Protect the device from extreme temperatures, humidity, and direct sunlight.
- Avoid dropping the device or subjecting it to strong impacts.
- Ensure all cables are connected securely but without excessive force to prevent damage to the ports.

8. Troubleshooting

If you encounter issues with your H4MIDI WC, consider the following troubleshooting steps:

- **No Power:** Verify that the power cable is securely connected and the power source (USB adapter or 9V DC supply) is functioning correctly.
- **No MIDI Signal:** Check all MIDI and USB cable connections. Ensure that your connected devices are powered on and sending/receiving MIDI data.
- **Incorrect MIDI Routing/Behavior:** Connect the H4MIDI WC to a computer and use the HxMIDI Tools software to review and adjust your MIDI routing, filtering, and mapping settings. Ensure the correct presets are loaded.
- **USB Device Not Recognized:** Confirm that your USB MIDI device is class-compliant. If using a USB hub, ensure it is powered and functioning correctly.
- **WIDI Bluetooth Issues:** Ensure the optional WIDI Core module is correctly installed. Refer to the WIDI Core manual for specific Bluetooth pairing and troubleshooting steps.
- **Firmware Update:** Check the CME Pro website for the latest firmware updates for your H4MIDI WC, as updates can resolve known issues and improve performance.

For persistent issues, please refer to the support section on the CME Pro website.

9. Specifications

Attribute	Value
Model Number	H4MIDI WC
Item Weight	3.06 ounces (86.75 grams)
Product Dimensions	1.5 x 5.51 x 1.3 inches (38 x 140 x 33 mm)

Attribute	Value
Connectivity Technology	5-pin DIN MIDI (2-in-2-out), USB-A Host (up to 8-in-8-out), USB-C Client (4-in-4-out virtual MIDI), Optional WIDI Bluetooth MIDI
Number of Channels	128
Compatible Devices	Class Compliant USB MIDI hardware devices, Groovebox, Sampler, MIDI Controller, MIDI Keyboard, PC, Mac, Mobile, Tablet, Pedalboard, Guitar Pedal
Supported Software	All music software, major DAWs and music apps. Includes HxMIDI Tools (Win/Mac/iOS/Android)
Operating System Compatibility	MacOS, Windows, iOS, Android, Linux, ChromeOS

Figure 10: Dimensions and weight of the H4MIDI WC.

10. Warranty and Support

Warranty: The CME H4MIDI WC comes with a 1-year warranty from the date of purchase. Please retain your proof of purchase for warranty claims.

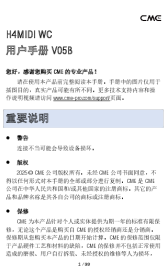
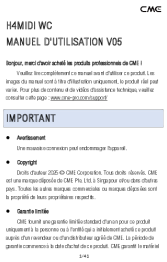
Figure 11: Product packaging indicating a 1-year warranty.

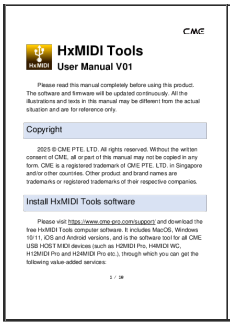
Support: For technical assistance, product inquiries, or warranty support, please visit the official CME Pro support page:

cme-pro.com/support

CME offers reliable, people-centric support within 24 hours and provides lifetime updates via HxMIDI Tools.

Related Documents - H4MIDI WC

	CME H4MIDI WC: Dual-Role USB & Bluetooth MIDI Interface User Manual Comprehensive user manual for the CME H4MIDI WC, a versatile USB and Bluetooth MIDI interface. Learn about its features, connections, software setup, and troubleshooting.
	CME H4MIDI WC User Manual: Bluetooth & USB MIDI Interface Guide Comprehensive user manual for the CME H4MIDI WC, a dual-role USB MIDI interface with expandable Bluetooth MIDI. Learn about setup, connections, software, firmware updates, and troubleshooting.
	CME H4MIDI WC: Manuale Utente V05 - Interfaccia MIDI USB Bluetooth Manuale utente completo per l'interfaccia MIDI USB CME H4MIDI WC, che copre installazione, configurazione, connessioni cablate e Bluetooth, impostazioni software, aggiornamenti firmware e risoluzione dei problemi.
	CME H4MIDI WC Manuel d'Utilisation V05 Manuel d'utilisation complet pour l'interface MIDI USB CME H4MIDI WC, détaillant ses caractéristiques, connexions, utilisation logicielle, et dépannage. Ce guide couvre la connectivité MIDI filaire et Bluetooth via le module WIDI Core optionnel, ainsi que les spécifications techniques et les questions fréquemment posées.
	Manual de Usuario CME H4MIDI WC: Interfaz MIDI USB con Expansión Bluetooth Manual de usuario completo para el CME H4MIDI WC, una interfaz MIDI USB versátil con capacidades Bluetooth MIDI expandibles, detallando sus características, conexiones, configuración de software y solución de problemas.



CME

HxMIDI Tools
User Manual V01

Please read this manual completely before using this product. The software and firmware will be updated continuously. All the illustrations and texts in this manual may be different from the actual situation and are for reference only.

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Install HxMIDI Tools software

Please visit https://www.cme-pro.com/support/ and download the free HxMIDI Tools computer software. It includes MacOS, Windows 10/11, iOS and Android versions, and is the software tool for all CME USB HOST MIDI devices (such as H2MIDI Pro, H4MIDI WC, H12MIDI Pro and H24MIDI Pro etc.), through which you can get the following value-added services:

CME HxMIDI Tools User Manual V01

User manual for CME HxMIDI Tools, detailing software installation, MIDI filtering, mapping, routing, firmware updates, and settings for CME USB HOST MIDI devices.