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› M-VAVE SMK-25 25-Key USB MIDI Keyboard Controller User Manual

## M-VAVE MVA-25

# M-VAVE SMK-25 25-Key USB MIDI Keyboard Controller

User Manual

## 1. INTRODUCTION

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This manual provides comprehensive instructions for the setup, operation, and maintenance of your M-VAVE SMK-25 MIDI Keyboard Controller. Please read this manual thoroughly before using the device to ensure proper functionality and to maximize your creative potential. The SMK-25 is a portable, battery-powered MIDI controller designed for music production, featuring 25 velocity-sensitive mini-keys, 8 RGB backlit drum pads, and various assignable controls.

## 2. PRODUCT OVERVIEW AND COMPONENTS

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Familiarize yourself with the overall design and key components of your M-VAVE SMK-25 controller:





Figure 2.2: M-VAVE SMK-25 MIDI Controller with key components labeled.

- **25 Velocity-Sensitive Keys:** Mini-keys that respond to how hard you play them.
- **8 RGB Backlit Pads:** Pressure-sensitive pads with customizable RGB lighting, ideal for drumming and triggering samples.
- **8 Assignable Encoders:** Rotary knobs that can be assigned to control various parameters in your software.
- **Capacitive Touch Bars (Pitch/Mod):** Touch-sensitive strips for pitch bend and modulation control.
- **Control Buttons:** Including Play, Stop, Rec, Arp, SC/CH (Smart Chord/Smart Sound), Octave Up/Down, and more.
- **Display:** A small digital display for showing current settings.

# Wireless Connection

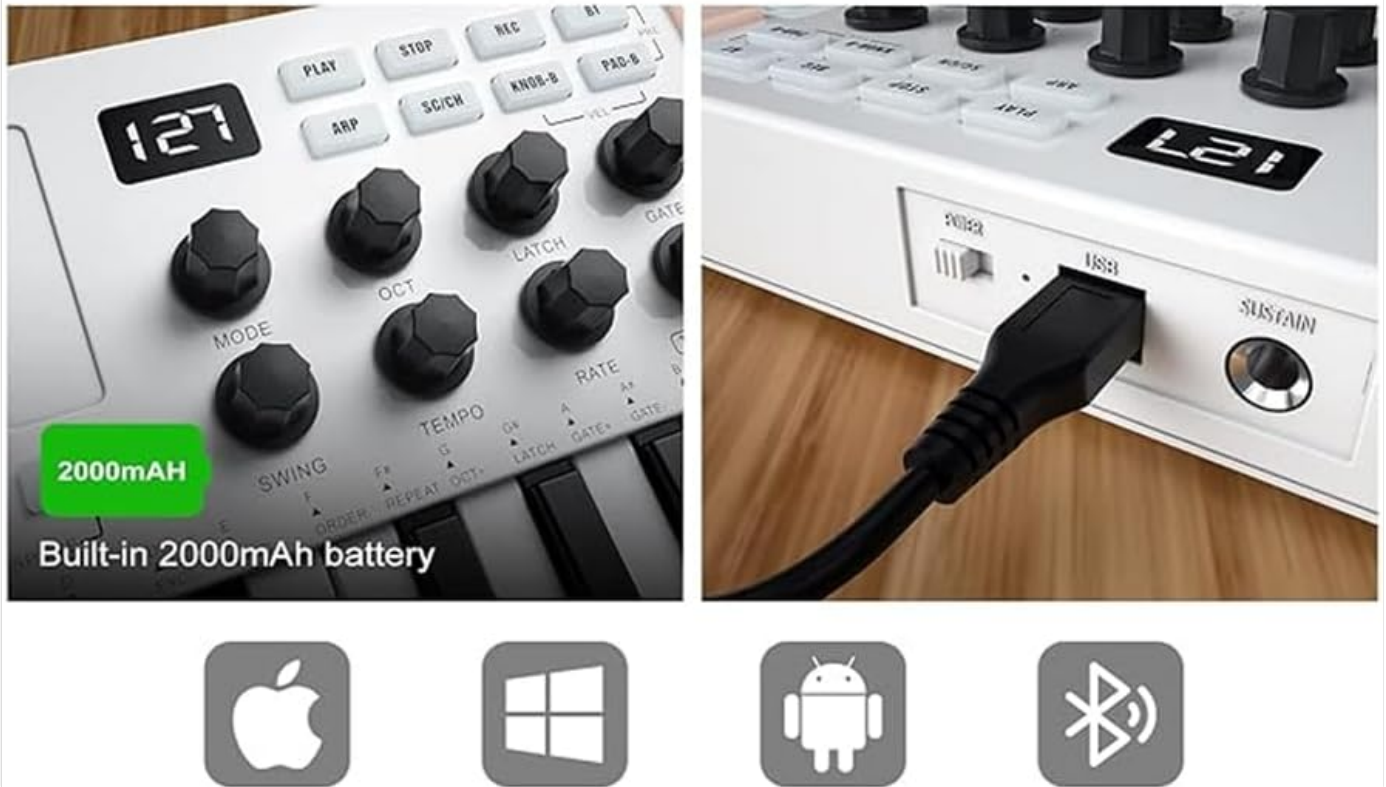


Figure 2.3: Rear view of the M-VAVE SMK-25 showing connectivity options.

- **USB Port:** For power and MIDI data transmission to a computer or compatible device.
- **Sustain Pedal Input:** 1/4" jack for connecting an external sustain pedal.
- **Built-in 2000mAh Battery:** Provides approximately 16 hours of portable operation.
- **Bluetooth Connectivity:** For wireless MIDI connection to compatible devices.

## 3. SETUP

### 3.1 Initial Charging

Before first use, fully charge the built-in 2000mAh lithium-polymer battery. Connect the SMK-25 to a USB power source (e.g., computer USB port or USB wall adapter) using the provided USB cable. The charging indicator will show the charging status.

### 3.2 Wired Connection (USB)

1. Connect one end of the USB cable to the USB port on the SMK-25.
2. Connect the other end of the USB cable to an available USB port on your computer (Windows or Mac OS).
3. The controller will be recognized as a standard MIDI device. No special drivers are typically required.
4. Open your Digital Audio Workstation (DAW) or music software and select the M-VAVE SMK-25 as your MIDI input device.

### 3.3 Wireless Connection (Bluetooth)

The SMK-25 supports Bluetooth MIDI for wireless connectivity with compatible devices (iOS, Android, Mac OS). Note that Bluetooth may introduce slight latency, which can be noticeable for very fast or complex performances.

1. Ensure the SMK-25 is powered on.
2. Activate Bluetooth on your receiving device (e.g., iPad, Android tablet, Mac computer).

3. On your device, go to Bluetooth settings or the MIDI settings within your music application.
4. Look for "SMK-25" or a similar device name and pair with it.
5. Once paired, select the SMK-25 as your MIDI input in your music application.

## 3.4 Software Installation

The product includes access to software via a QR code. Scan the QR code provided in the product packaging or on the manufacturer's website to download and install any accompanying software or applications that enhance the controller's functionality.

## 4. OPERATING INSTRUCTIONS

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### 4.1 Basic Playback

The 25 velocity-sensitive keys and 8 RGB backlit pads transmit MIDI note data. The harder you press a key or pad, the higher the velocity value, resulting in a louder or more intense sound in your software instrument.

### 4.2 Using Assignable Encoders

The 8 rotary encoders can be assigned to control various parameters within your DAW or virtual instruments, such as volume, pan, filter cutoff, or effect send levels. Refer to your software's manual for instructions on MIDI mapping.

### 4.3 Pitch Bend and Modulation

Use the capacitive touch bars labeled "PITCH" and "MOD" to add expression to your performances. The PITCH bar typically bends the pitch of notes up or down, while the MOD bar can control vibrato, filter sweeps, or other assignable modulation effects.

### 4.4 Smart Chord and Smart Sound Functions

The SMK-25 integrates Smart Chord and Smart Sound functions. These features assist in playing complex chords or generating intelligent sound variations with ease. Consult the accompanying software or the manufacturer's online resources for detailed instructions on activating and customizing these functions.

### 4.5 Arpeggiator

Activate the built-in arpeggiator using the "ARP" button. The arpeggiator automatically plays a sequence of notes from a held chord, creating rhythmic patterns. Adjust parameters like tempo, gate, and swing using the dedicated controls or assignable encoders.

### 4.6 Sustain Pedal

Connect a standard 1/4" sustain pedal to the "SUSTAIN" input on the rear of the unit. This allows you to sustain notes, similar to a piano pedal, adding realism to your performances.

## 5. MAINTENANCE

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### 5.1 Cleaning

To clean the SMK-25, use a soft, dry, lint-free cloth. For stubborn dirt, slightly dampen the cloth with water. Avoid using abrasive cleaners, solvents, or waxes, as these can damage the finish and internal components.

### 5.2 Battery Care

To prolong battery life, avoid fully discharging the battery frequently. If storing the device for an extended period, charge it to approximately 50% and store it in a cool, dry place. Recharge every few months to prevent deep discharge.

### 5.3 Storage

Store the controller in a clean, dry environment, away from direct sunlight, extreme temperatures, and excessive humidity. Protect it from dust and physical impact when not in use.

## 6. TROUBLESHOOTING

Problem	Possible Cause	Solution
No sound from software instrument.	MIDI input not selected in DAW; incorrect instrument loaded; volume too low.	Ensure SMK-25 is selected as MIDI input in your DAW. Check that a virtual instrument is loaded and its volume is up.
Bluetooth connection unstable or delayed.	Interference; device too far; high data traffic over Bluetooth.	Move closer to the receiving device. Reduce other Bluetooth activity. For critical performances, use a wired USB connection.
Keys/Pads are unresponsive.	Controller not powered on; connection issue; software not receiving MIDI.	Check power. Reconnect USB or re-pair Bluetooth. Verify MIDI input settings in your software.
Controller not recognized by computer.	Faulty USB cable/port; driver issue (rare for class-compliant devices).	Try a different USB cable or port. Restart your computer.

## 7. SPECIFICATIONS

<b>Model Number</b>	MVA-25
<b>Keys</b>	25 velocity-sensitive mini-keys
<b>Pads</b>	8 RGB backlit velocity-sensitive pads
<b>Encoders</b>	8 assignable rotary encoders
<b>Touch Strips</b>	Pitch Bend and Modulation capacitive touch strips
<b>Connectivity</b>	USB-MIDI, Bluetooth MIDI, 1/4" Sustain Pedal Input
<b>Battery</b>	Built-in 2000mAh Lithium-Polymer (approx. 16 hours operation)
<b>Compatibility</b>	Windows, Mac OS, Android, iOS
<b>Dimensions (Package)</b>	37.1 x 21.8 x 7.1 cm (14.6 x 8.6 x 2.8 inches)
<b>Weight</b>	1.02 Kilograms (2.25 lbs)
<b>Included Components</b>	SMK-25 Controller, USB Cable, Software (via QR code)

## 8. WARRANTY AND SUPPORT

Specific warranty information for the M-VAVE SMK-25 is not provided in this manual. Please refer to the warranty card included with your product or visit the official M-VAVE website for detailed warranty terms and conditions. For technical support, troubleshooting assistance, or service inquiries, please contact M-VAVE customer support through their official website or the contact information provided in your product packaging.

For the latest drivers, firmware updates, and additional resources, please visit the official M-VAVE support page.

