M-VAVE FBA_M008_SMK25_16_White

M-VAVE 25-Key 16-Pad MIDI Keyboard Controller Instruction Manual

Model: SMK-25 II

1. Introduction

This manual provides detailed instructions for the M-VAVE 25-Key 16-Pad MIDI Keyboard Controller. It covers product features, setup procedures, operational guidelines, and technical specifications to help you maximize your music production experience. Please read this manual thoroughly before using the device.



Image 1.1: Top-down view of the M-VAVE 25-Key 16-Pad MIDI Keyboard Controller.

2. Product Overview

The M-VAVE MIDI Keyboard Controller (SMK-25 II) is a versatile tool for music production, featuring 25 velocity-sensitive keys, 16 RGB backlit drum pads, and 8 assignable rotary encoders. It offers both wired and wireless

connectivity options and includes a built-in rechargeable battery for portability. This controller is designed to enhance your workflow and integrate seamlessly with various music software.

Key Features:

- 25 velocity-sensitive keys for expressive playing.
- 16 RGB backlit velocity-sensitive pads with aftertouch for dynamic beat making.
- 8 assignable 360-degree rotary encoders for parameter control.
- 2 capacitive touch stripes for pitch bend and modulation.
- Built-in 2000mAh battery for up to 18 hours of wireless use.
- Wireless Bluetooth connectivity for mobile and computer devices.
- USB-C port for wired connection and charging.
- 1/4 inch sustain pedal connection port.

3. Setup

3.1 Powering On

The SMK-25 II can be powered in two ways:

- **USB-C Power Supply:** Connect the included USB-C cable to the device and a power source (e.g., computer USB port, USB wall adapter).
- **Built-in Battery:** The device features a 2000mAh rechargeable battery. Ensure it is charged before wireless use.



Image 3.1: Power supply options for the M-VAVE MIDI Keyboard.

3.2 Connectivity

The SMK-25 II supports both wired and wireless connections to your devices.

Wired Connection (USB-C)

Connect the MIDI keyboard directly to your computer or mobile device using the provided USB-C to USB-C cable or a standard USB-A to USB-C cable. No additional driver installation is required for most operating systems.

Wireless Connection (Bluetooth)

1. Turn on the wireless function (Bluetooth) on your computer or mobile device.
2. On the SMK-25 II, press and hold the **BT** button. The BT indicator light will illuminate when pairing is successful.
3. Select the M-VAVE MIDI keyboard from your device's Bluetooth settings to complete the connection.

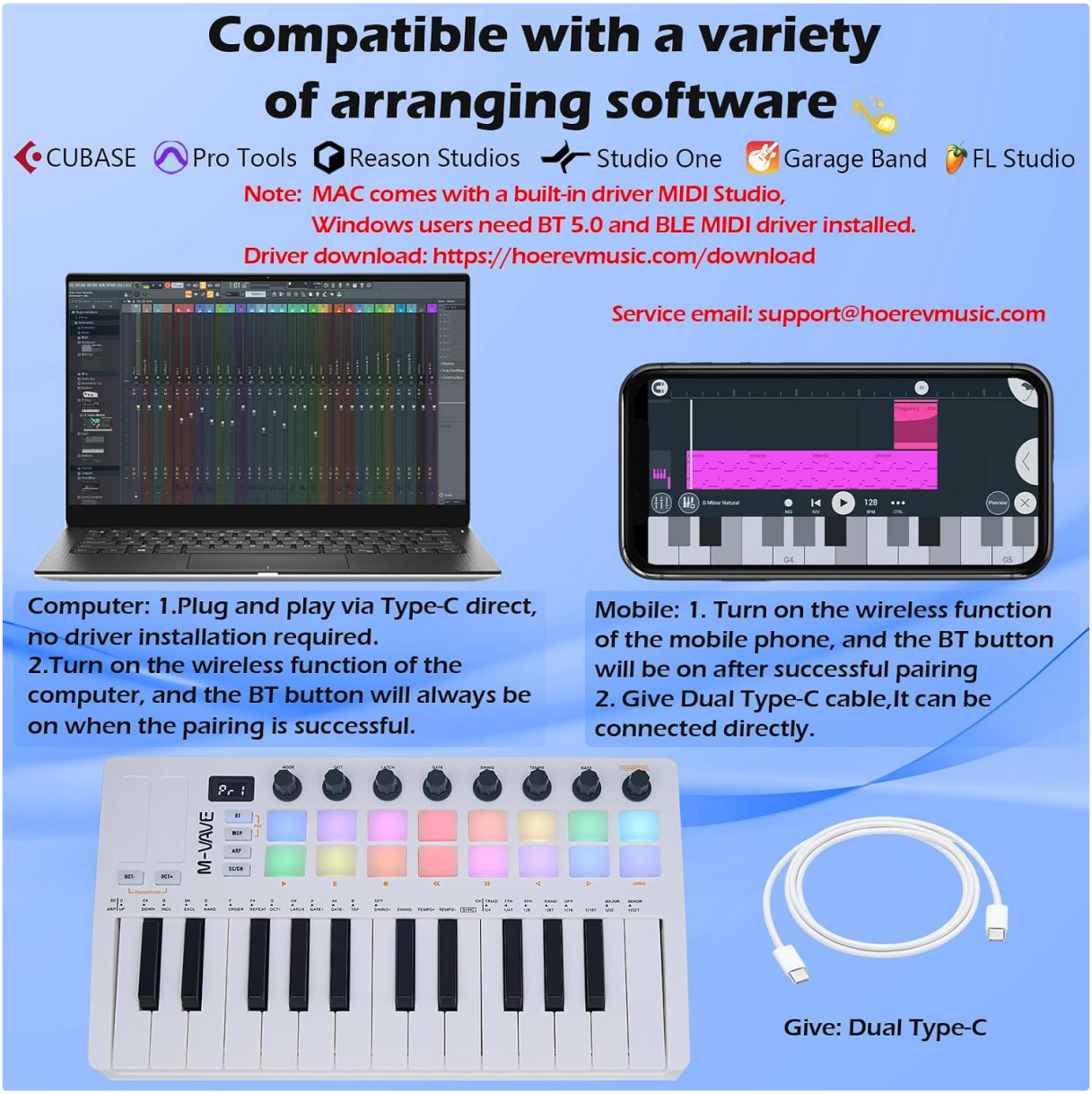


Image 3.2: Illustrates wired and wireless connections to various devices.

3.3 Driver Information

- **Mac OS:** Comes with a built-in MIDI Studio driver, so no additional drivers are typically needed.
- **Windows:** Users may need to install BT 5.0 and BLE MIDI drivers. These can be downloaded from the official website: hoerevmusic.com/download.
- **Android/iOS:** Connects directly via Bluetooth or USB-C (Type C to Type C cable for Android).



Image 3.3: Supporting control software interface and driver download information.

4. Operating Instructions

This section details the functions of the various controls on your M-VAVE MIDI Keyboard Controller.



Image 4.1: Labeled diagram of the M-VAVE MIDI Keyboard controls.

4.1 Keyboard Keys

- The SMK-25 II features 25 velocity-sensitive keys, providing a responsive playing experience.
- Four sets of velocity curves are available to customize key response.

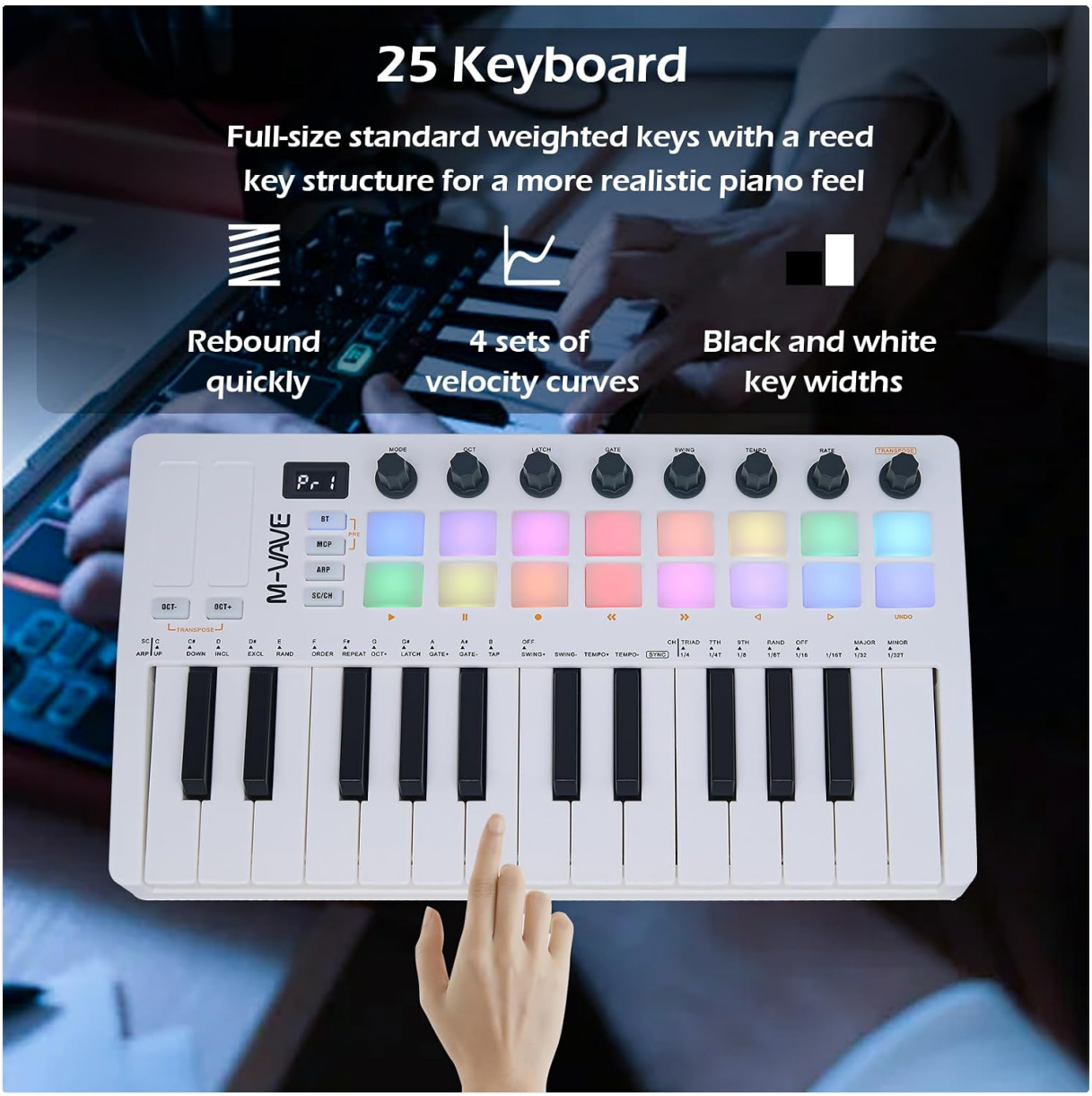


Image 4.2: Detail of the 25 velocity-sensitive keys and velocity curve options.

4.2 Drum Pads

- 16 RGB backlit velocity-sensitive pads with aftertouch.
- The color of the pads can be adjusted within your music software.
- Pads can be assigned to send Note, MIDI CC, or Program Change messages.



Image 4.3: The 16 RGB pads and their customization options in software.

4.3 Rotary Encoders

- 8 assignable endless 360-degree rotary encoders.
- These encoders can transmit Aftertouch, MIDI CC, or Pitch information, configurable through your music software.



Image 4.4: The 8 assignable rotary encoders.

4.4 Control Buttons and Functions

- **Pitch Bend and Modulation Stripes:** Capacitive touch strips located on the left side for expressive control over pitch and modulation.
- **Display Area:** Shows the current preset number (e.g., "Pr 1"). If the keyboard is low on power, the digital tube will flash.
- **OCT+/OCT- Buttons:** Adjust the pitch of the key area up or down by octaves. Press both OCT+ and OCT- simultaneously to reset the pitch to its default.
- **BT Button:** Used to connect the MIDI keyboard wirelessly with a computer or phone. The indicator light will remain on after successful pairing.
- **MPC Button:** Press this button to switch between the second set of pads and controls for your DAW.
- **ARP Button:** Enables arpeggiator mode. Press and hold the ARP button to adjust arpeggiator settings.
- **SC/CH Button:** Activates Smart Scale/Chord mode. Smart Scale allows you to constrain notes to a selected scale. Smart Chord makes every single note you press play a chord, with the pressed key acting as the root note.
- **Velocity Settings (via MPC button):** Pressing the MPC button allows you to access velocity settings. Pads 9-12 control Key Velocity, and Pads 13-16 control Pad Velocity.



Image 4.5: Overview of advanced functions like arpeggiator and smart scale.

5. Software Compatibility

The M-VAVE MIDI Keyboard Controller is designed for broad compatibility with various Digital Audio Workstations (DAWs) and operating systems. It supports:

- **Operating Systems:** Windows, Mac OS, Android, iOS.
- **Compatible DAWs:** FL Studio, Ableton Live, Cubase, Logic Pro X, Bitwig, Reason, Studio One, GarageBand (iOS).

6. Maintenance

To ensure the longevity and optimal performance of your MIDI keyboard controller, follow these maintenance guidelines:

- **Cleaning:** Use a soft, dry cloth to clean the surface of the device. Avoid using abrasive cleaners, solvents, or excessive moisture, as these can damage the finish and internal components.
- **Storage:** Store the device in a cool, dry place away from direct sunlight, extreme temperatures, and high humidity. When transporting, use a protective case to prevent physical damage.
- **Battery Care:** For models with a built-in battery, avoid fully discharging the battery frequently. If storing for extended periods, charge the battery to approximately 50% to prolong its lifespan.

7. Troubleshooting

If you encounter issues with your M-VAVE MIDI Keyboard Controller, refer to the following common troubleshooting steps:

- **Pad Latency Issues:**
    a. Adjust the I/O Buffer Size within your Digital Audio Workstation (DAW) software. A lower buffer size can reduce latency but may require more processing power.
    b. Ensure your computer's performance meets the requirements for your music production software. Close unnecessary applications to free up system resources.

- **Bluetooth Disconnections or Instability:**
    a. If connected via USB, try unplugging and re-plugging the USB cable.
    b. Re-pair the device with your computer or mobile phone. Go to your device's Bluetooth settings, forget the M-VAVE keyboard, and then re-initiate the pairing process by pressing and holding the **BT** button on the keyboard.
    c. Ensure there is no significant interference from other wireless devices (Wi-Fi routers, other Bluetooth devices) nearby.
- **No Sound Output:**
    a. Verify that the MIDI keyboard is correctly connected and recognized by your computer or mobile device.
    b. Check that your music software (DAW) has the M-VAVE MIDI keyboard selected as an active MIDI input device.
    c. Ensure a virtual instrument or sound source is loaded and enabled within your DAW to produce sound from the MIDI input.
- **Keys or Pads Not Responding:**
    a. Confirm the device is powered on and has sufficient battery charge or is connected via USB.
    b. Check the MIDI input settings in your music software to ensure the correct MIDI channel and device are selected.

8. Specifications

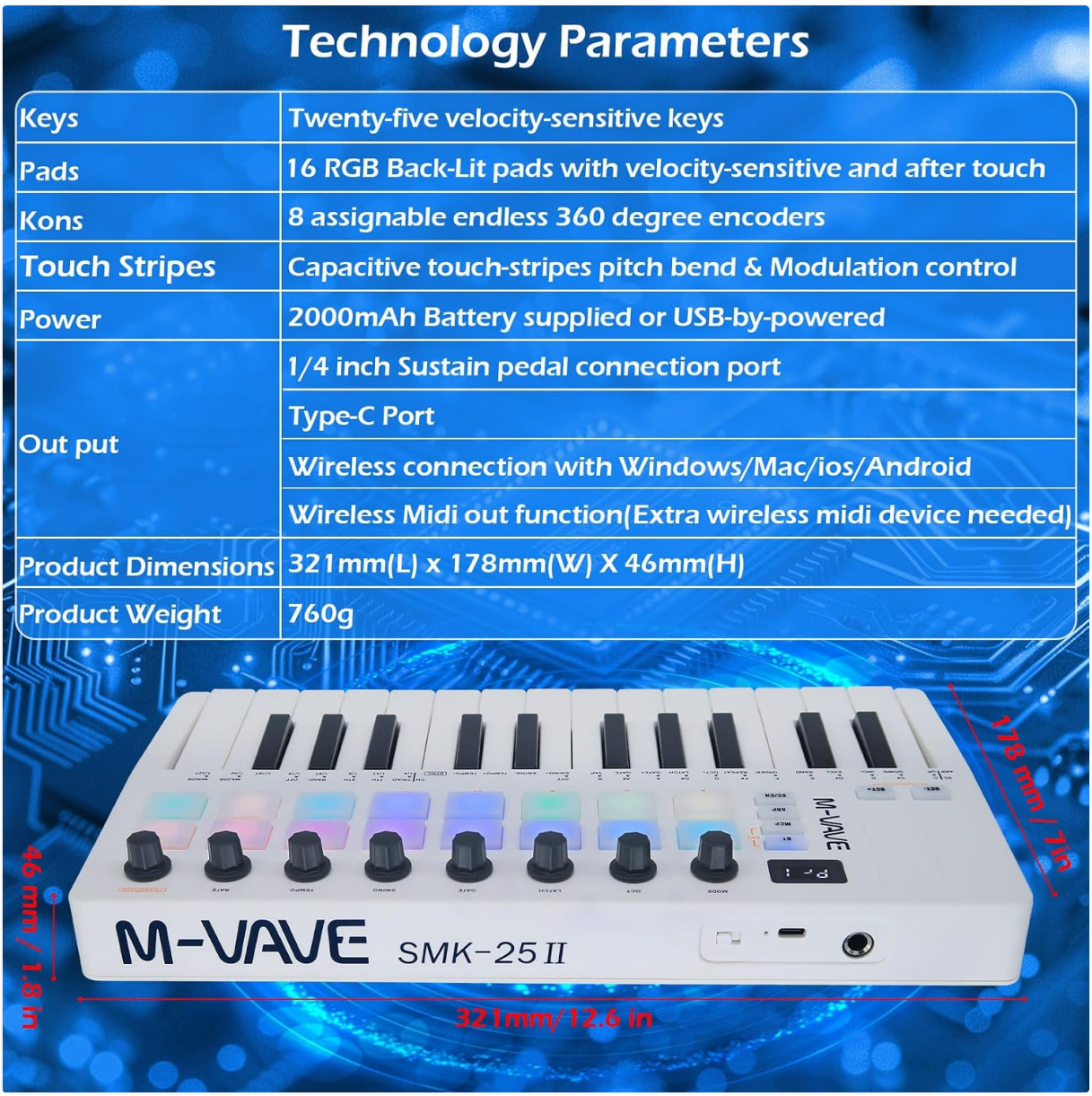


Image 8.1: Detailed technology parameters and dimensions of the M-VAVE MIDI Keyboard.

Feature	Description
Keys	25 velocity-sensitive keys
Pads	16 RGB Back-Lit pads with velocity-sensitive and aftertouch
Encoders	8 assignable endless 360-degree encoders
Touch Stripes	Capacitive touch-stripes for pitch bend & modulation control
Power Supply	2000mAh Lithium Polymer Battery (included) or USB-powered
Output Ports	Type-C Port, Wireless connection (Windows/Mac/iOS/Android), Wireless MIDI out function (requires extra wireless MIDI device)
Sustain Pedal Port	1/4 inch Sustain pedal connection port
Product Dimensions	321mm (L) x 178mm (W) x 46mm (H) / 12.6 x 7 x 1.8 inches
Product Weight	760g / 1.65 pounds
Material Type	Metal, Plastic

Hardware Platform	PC/Mac/iOS/Android

9. What's in the Box

Upon opening the product packaging, you should find the following items:

- M-VAVE 25-Key 16-Pad MIDI Keyboard Controller (SMK-25 II)
- User Manual
- USB Cable (USB-A to USB-C)
- USB-C to USB-C Cable

10. Warranty and Support

M-VAVE products are designed for reliability and performance. For technical support, product inquiries, or warranty claims, please contact M-VAVE customer service.
Customer Support Email: support@hoerevmusic.com
Please retain your proof of purchase for any warranty-related services.