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> Surmen M75 75% Wireless Creamy Keyboard with Gasket, Pre-lubed Triple Mode Bluetooth Mechanical Gaming Keyboard BT5.0/2.4Ghz/USB with Sound Absorbing Pads Hot-Swap(Sunset) User Manual

surmen M75

Surmen M75 Wireless Mechanical Gaming Keyboard User Manual

Model: M75 | Brand: Surmen

INTRODUCTION

This manual provides comprehensive instructions for the setup, operation, and maintenance of your Surmen M75 75% Wireless Mechanical Gaming Keyboard. Please read this manual thoroughly to ensure optimal performance and longevity of your device.



Image: The Surmen M75 mechanical keyboard, showcasing its compact 75% layout and vibrant RGB backlighting.

KEY FEATURES

- **Triple Mode Connection:** Supports USB-C wired, Bluetooth 5.0, and 2.4Ghz wireless modes for versatile connectivity.
- **Advanced Noise Dampening:** Features a silicone pad, sound-absorbing sponge, and silicone gasket to minimize cavity sound and enhance acoustic feedback.
- **Programmable Software Support:** Allows for macro customization and remapping of keys to improve efficiency in work and gaming.
- **Hot-Swappable Switches:** Compatible with most 3-pin and 5-pin mechanical switches, enabling easy switch replacement without soldering.
- **South-Facing RGB LEDs:** Designed to provide optimal backlight illumination and prevent interference when changing switches.
- **Dynamic RGB Lighting:** Offers 16 unique RGB light effects, including music rhythm synchronization, customizable via driver software.
- **Long-Lasting Battery:** Equipped with a 5000mAh battery, providing extended usage in wireless mode.

SETUP GUIDE

1. Unboxing and Initial Inspection

Carefully remove the keyboard and all accessories from the packaging. Verify that all components are present:

- Surmen M75 Keyboard
- USB-C Cable
- 2.4GHz USB-A Dongle
- Keycap Puller
- Switch Puller
- Replacement Keycaps (if included with your specific model)
- Replacement Switches (if included)

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Video: An overview of the Surmen M75 keyboard, including unboxing and initial presentation.

2. Connection Modes

The Surmen M75 supports three connection methods:

1. **USB-C Wired Mode:** Connect the keyboard directly to your computer using the provided USB-C cable. This mode also charges the keyboard.
2. **2.4GHz Wireless Mode:**
 - a. Locate the 2.4GHz USB-A dongle, typically stored in a slot on the back of the keyboard.
 - b. Plug the dongle into an available USB-A port on your computer.
 - c. Set the mode switch on the back of the keyboard to "2.4G".
3. **Bluetooth 5.0 Mode:**

- a. Set the mode switch on the back of the keyboard to "BT".
- b. On your device (computer, tablet, smartphone), enable Bluetooth and search for new devices.
- c. The keyboard will appear as "SURMEN M75". Select it to pair.
- d. To pair with up to three devices, press **Fn + Q**, **Fn + W**, or **Fn + E** for 3-5 seconds until the indicator light flashes, then pair with your device. Switch between paired devices by pressing **Fn + Q/W/E** briefly.



Image: Illustration of the Surmen M75 keyboard connected via Bluetooth, 2.4GHz wireless, and USB-C wired modes to various devices.



Image: A detailed view of the connection switches and USB-C port located on the back of the keyboard.

3. Operating System Compatibility

The keyboard is compatible with both Windows and Mac operating systems. Use the dedicated switch on the back of the keyboard to select your operating system (Win/Mac) for optimal key mapping.

OPERATING INSTRUCTIONS

1. Multimedia Keys and Functionality

The keyboard features dedicated function keys (F1-F12) that can be accessed by pressing the **Fn** key in combination with the desired F-key. The functionality varies slightly between Windows and iOS/Mac modes.



Image: A comprehensive diagram detailing the multimedia functions of the F-keys when used with the Fn key for both Windows and Mac operating systems.

- **Fn + WIN:** Locks the Windows key. The WIN key symbol light turns white as a prompt. Press again to unlock.
- **Smart Key Switching Function (END/INS):** When pressing the END key for more than 5 seconds, the character will switch to the INS key, and the indicator will flash slowly. Pressing the INS key for a longer duration will revert the character back to END.

2. Volume Knob Control

The multi-function knob located on the top right of the keyboard controls both volume and RGB lighting modes.

- **Rotate Knob:** Adjusts volume (default mode).
- **Press Knob:** Mutes/unmutes audio (default mode).
- **Hold Knob for 3 seconds:** Switches the knob mode between multimedia control and RGB lighting control.
- When in RGB lighting control mode:
 - **Rotate Knob:** Adjusts RGB brightness or cycles through lighting effects.
 - **Press Knob:** Changes RGB lighting mode.

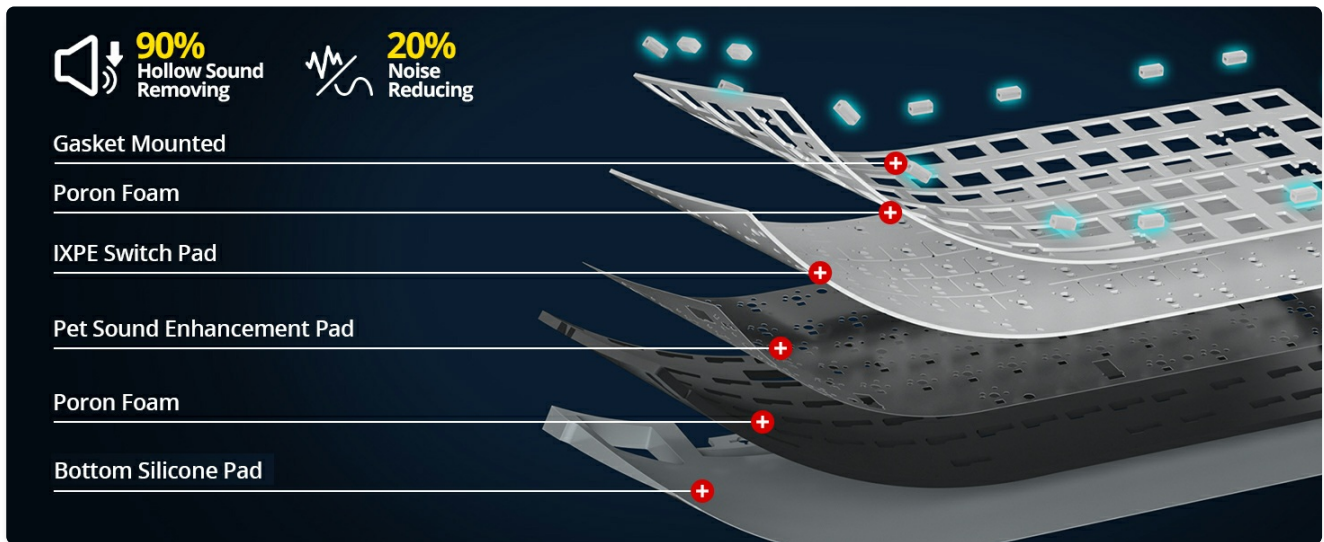


Image: A close-up view of the multi-function knob, illustrating its capabilities for adjusting brightness/volume and switching RGB modes.

3. RGB Lighting Customization

The Surmen M75 features extensive RGB lighting options, including 16 unique effects and music rhythm synchronization. These can be customized via the dedicated driver software.

Driver Macro Customization



16.8 Million RGB backlit



Macro recording & editing



Musical rhythm lighting effect



Custom short cut keys



Image: A visual representation of the keyboard's driver software interface, showing options for macro and RGB lighting customization.



Image: The Surmen M75 keyboard displaying a range of RGB lighting effects, with an overlay of the customization software.

- **Driver Software:** Download the official driver software from the Surmen website (refer to product packaging or official product page for URL). The software allows for:
 - Customizing 16.8 million RGB colors.
 - Enabling music rhythm lighting effects.
 - Programming all keys with macros.
 - Recording and editing macros.
 - Setting custom shortcut keys.
- **Note:** Please run the driver in wired mode for proper functionality.
- **South-Facing RGB LEDs:** The LEDs are positioned to illuminate the keyboard backlight effectively from the typist's angle and avoid interference when changing switches.



Image: A close-up view highlighting the south-facing RGB LEDs beneath the keycaps, designed for optimal illumination.

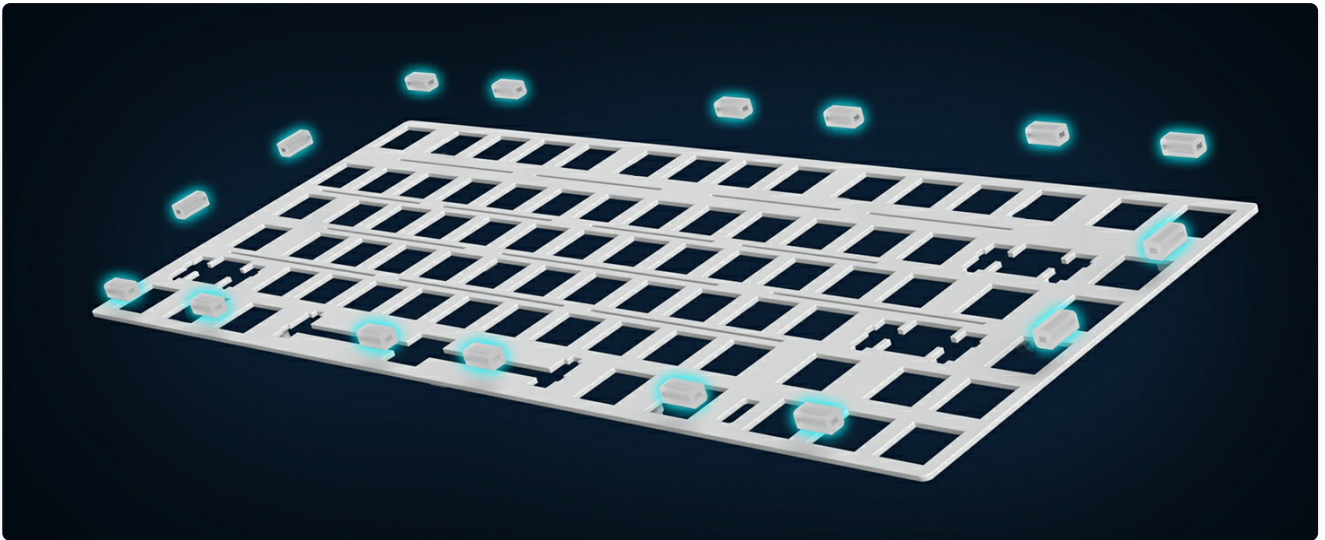


Image: The side RGB lighting strip of the keyboard, adding an aesthetic touch to the setup.

4. Battery Management

The keyboard is equipped with a 5000mAh battery. To check the battery level in wireless mode, press **Fn + Alt**. The indicator lights on the keyboard will display the current battery percentage.

BATTERY REMINDER BATTERY LEVEL

Press **FN+alt** to check the battery level under wireless mode.



20%



100%



5000
mAh

Image: The keyboard displaying its battery level through illuminated keys after pressing Fn+Alt.

Multimedia Keys for Windows / IOS

Set the mode switch on the side of the keyboard to Win; switch to the windows system.

FN + F1	Decrease Screen Brightness	FN + F7	Next track
FN + F2	Increase Screen Brightness	FN + F8	Play/Pause
FN + F3	Calculator	FN + F9	Stop
FN + F4	Computer	FN + F10	Mute
FN + F5	Media player	FN + F11	Decrease volume
FN + F6	Previous track	FN + F12	Increase volume

FN + WIN Lock WIN key (At this time, the WIN key symbol light turns white as a prompt), press again to unlock.

END/INS Smart Key switching Function:
When pressing the END key for more than 5 seconds, the character will switch to the INS key, and the character indicator will flash slowly to indicate. Pressing the INS key for a longer duration will revert the character back to END.

Set the mode switch on the side of the keyboard to Mac; switch to the Mac system.

F1	Decrease screen brightness	F7	Previous track
F2	Increase screen brightness	F8	Play/Pause
F3	Ctrl+" ↑" (Mission Control)	F9	Next track
F4	Activate Siri	F10	Mute
F5	Ctrl+" ↓" (Show all windows of the foremost App)	F11	Decrease volume
F6	Search (Command+Space)	F12	Increase volume

Note: Win/ALT will interchange when switching interfaces; do not lock Win.

Image: Two Surmen M75 keyboards illustrating the visible 5000mAh battery and the key combination for checking battery level.

SOUND PROFILE

The Surmen M75 is engineered with multiple layers of sound-absorbing materials, including a silicone pad, sound-absorbing sponge, and silicone gasket, to deliver a clear and pure switch sound by significantly reducing internal resonance and cavity noise.

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Video: A sound test demonstrating the acoustic feedback and noise dampening features of the Surmen M75 keyboard.

MAINTENANCE

1. Hot-Swappable Switches

The Surmen M75 keyboard features hot-swappable sockets, allowing you to easily change mechanical switches without soldering. This enables customization of typing feel and sound.

- 1. Removing Switches:** Use the provided switch puller. Gently grip the switch from the top and bottom clips and pull straight up. Avoid wiggling to prevent bending the pins.
- 2. Installing Switches:** Align the pins of the new switch with the holes on the PCB. Press down firmly until the switch clicks into place. Ensure the pins are straight before insertion.



Image: A visual guide demonstrating the process of removing and installing hot-swappable switches on the keyboard.

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Video: A demonstration of the gasket-mounted design and 5-layer padding within the Surmen M75 keyboard, highlighting its internal structure.

2. Keycap Replacement

The keycaps can be easily removed and replaced using the provided keycap puller. This allows for cleaning or aesthetic customization.



Image: An illustration of the Double Shot PBT keycaps with Cherry Profile, along with individual keycaps.

3. Cleaning

To clean the keyboard, first disconnect it from all power sources. Use a soft, lint-free cloth to wipe down the keycaps and chassis. For deeper cleaning, remove keycaps and use compressed air to clear debris from between switches.

TROUBLESHOOTING

Problem	Solution
Keyboard not responding in wireless mode.	• Ensure the keyboard is charged. • Verify the mode switch is set correctly (2.4G or BT). • For 2.4G, ensure the dongle is securely plugged in. • For Bluetooth, ensure it's paired correctly and selected on your device. Try re-pairing. • Try connecting via USB-C cable to check if the keyboard functions in wired mode.
RGB lighting not working or customizable.	• Ensure the keyboard is in RGB control mode (hold knob for 3 seconds). • Check if the driver software is installed and running. • Ensure the keyboard is connected in wired mode when using the driver software. • Try resetting the keyboard (refer to driver software or product page for specific instructions).

Problem	Solution
Keys not registering or double-typing.	• Ensure switches are fully seated in their sockets. • If a specific switch is faulty, use the switch puller to replace it with a spare. • Clean under the keycap and around the switch to remove any debris.
Bluetooth connection unstable.	• Ensure no other devices are causing interference. • Move the keyboard closer to the connected device. • Try forgetting the device on your computer/phone and re-pairing. • Ensure the keyboard's battery is not critically low.

SPECIFICATIONS

Feature	Detail
Brand	Surmen
Model Number	M75
Connectivity	Bluetooth 5.0, 2.4GHz Wireless, USB-C Wired
Keyboard Type	Mechanical
Layout	75% (82 keys)
Hot-Swappable	Yes (3-pin and 5-pin switches)
RGB Backlighting	Yes (16.8 million colors, music rhythm effects, south-facing LEDs)
Battery Capacity	5000mAh Lithium Polymer
Compatibility	Windows, Mac, PC, Laptop, Tablet
Special Features	Volume Roller, Programmable Keys, Gasket Mounted, Sound Absorbing Pads
Color	Sunset
Dimensions	35.51 x 18.21 x 5.21 cm
Weight	1.14 kg

WARRANTY AND SUPPORT

Surmen products are designed for reliability and performance. For warranty information, technical support, or service inquiries, please refer to the official Surmen website or contact their customer service department. Keep your purchase receipt as proof of purchase for warranty claims.

For the latest drivers and software, please visit the official Surmen support page.