Womier SK75

Womier SK75 75% Keyboard Instruction Manual

Brand: Womier | Model: SK75

This manual provides detailed instructions for the setup, operation, and maintenance of your Womier SK75 keyboard.

1. SETUP GUIDE

1.1 Package Contents

Upon unboxing, please verify that all components are present:

- Womier SK75 75% Keyboard (Full Aluminum CNC body)
- USB-C to USB-A Cable
- Keycap Puller
- Switch Puller
- 2.4GHz Wireless Receiver
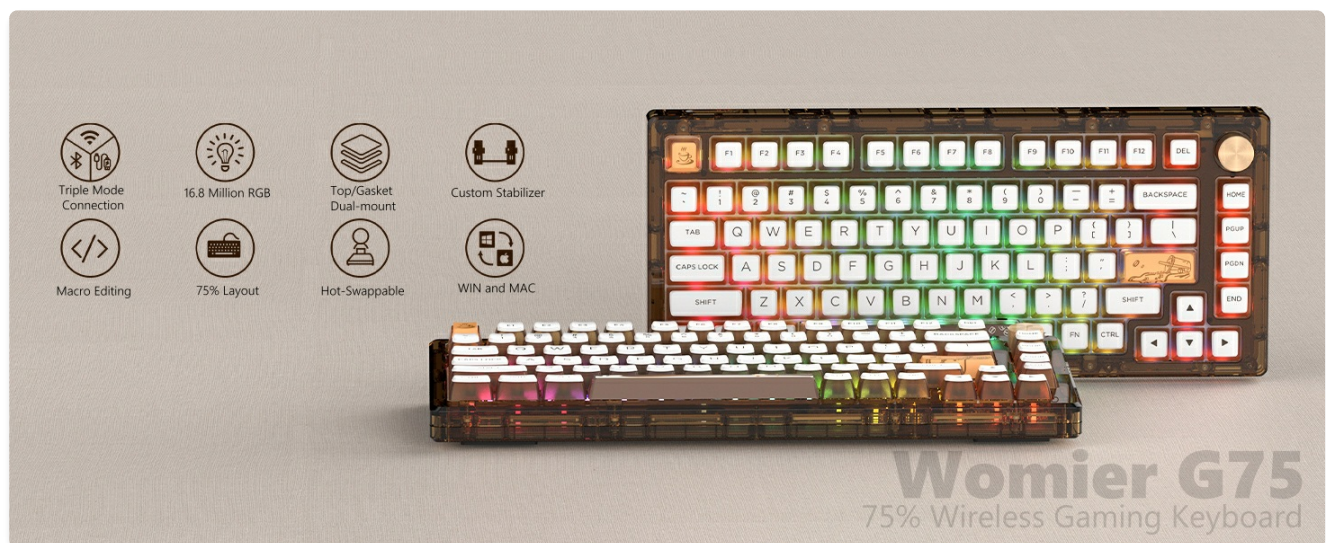- Additional Keycaps (e.g., Mac modifiers)
- User Manual

Figure 1.1: Contents of the Womier SK75 Keyboard package.

1.2 Connection Methods

The Womier SK75 keyboard supports three connection modes: Wired (USB-C), 2.4GHz Wireless, and Bluetooth 5.0. Ensure the battery switch, located underneath the Caps Lock key, is in the "ON" position for wireless modes.

1.2.1 2.4GHz Wireless Connection

1. Insert the 2.4GHz receiver into an available USB port on your computer.
2. Press **FN + TAB** to switch to F4 blinking. The indicator light will become steady when the connection is successful.

1.2.2 Bluetooth Connection

1. Press **FN + TAB** to switch to F1-F3 blinking.
2. Long-press **FN + F1** / **F2** / **F3** to initiate pairing. The indicator light will flash rapidly.
3. On your device (Laptop, PC, Tablet, Smartphone, Mac), search for Bluetooth devices and select "Womier SK75".
4. The keyboard can store up to three different wireless devices. Switch between them by pressing **FN + F1** / **F2** / **F3**.

1.2.3 Wired Connection

1. Insert the USB-C connector of the cable into the keyboard's USB-C port.
2. Connect the other end of the USB-A cable to your computer's USB port.
3. Press **FN + TAB** to switch to the ESC indicator light. A rotating light effect indicates a successful connection.

2.4GHz Wireless Connection.
1. Battery switch in the plugged-in or wireless mode while in the "ON" position.
2. Insert the 2.4GHz receiver into the computer's USB port.
3. Use FN+TAB to switch to F4 blinking, and it will stay steadily lit when the connection is successful.

Bluetooth
1. When in the plugged-in or wireless mode, the battery switch should be in the "ON" position.
2. Use FN+TAB to switch to F1-F3 blinking, then long-press FN+F1/F2/F3 to initiate pairing (indicated by rapid flashing lights). The Bluetooth pairing names are "Womier SK75."
3. Supports up to three devices; you can switch between them by pressing FN+F1/F2/F3.

Wired
1. Insert the USB-C connection cable into the keyboard port.
2. Connect the other end of the USB-C cable to the computer.
3. Use FN+TAB to switch to the ESC indicator light, and a rotating light effect indicates a successful connection.

Figure 1.2: Overview of the three connection modes.

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Video 1.1: Demonstration of Womier SK75 VIA Custom Keyboard features and pre-lubed POM switches.

2. Operating Instructions

2.1 VIA Programmable Customization

The Womier SK75 is a VIA programmable keyboard, allowing for extensive customization of key layouts, macros, and lighting effects. VIA is an open-source firmware that provides a user-friendly graphical interface for programming your keyboard.

- Download the VIA software from the official website (search "VIA keyboard software").

- Connect your keyboard via USB-C.
- Use the VIA interface to remap keys, create custom macros, and adjust lighting settings.

Figure 2.1: VIA software for keyboard customization.

2.2 RGB Backlighting Control

The keyboard features 16.8 million RGB cool backlighting with south-facing LEDs for brighter illumination. You can control various lighting effects directly from the keyboard using the following key combinations:

Function	Key Combination
Turn Backlight ON/OFF	**FN + Back**
Switch Backlight Mode	**FN + |**
Switch Color	**FN + Enter**
Increase Brightness	**FN + ↑**
Decrease Brightness	**FN + ↓**
Slow Down Lighting Speed	**FN + ←**
Speed Up Lighting Speed	**FN + →**

Figure 2.2: RGB lighting control shortcuts.

3. Maintenance

3.1 Cleaning Your Keyboard

To maintain the performance and appearance of your Womier SK75 keyboard, regular cleaning is recommended:

- Disconnect the keyboard from your computer.
- Use a soft brush or compressed air to remove dust and debris from between the keycaps.
- For stubborn dirt, gently wipe the keycaps and case with a slightly damp, lint-free cloth. Avoid excessive moisture.
- Do not use harsh chemicals or abrasive materials.

3.2 Hot-Swappable Switches and Keycaps

The Womier SK75 features a hot-swappable PCB, allowing you to easily change 3-pin or 5-pin mechanical switches without soldering. The keyboard comes pre-installed with high-quality POM linear switches, which are factory-lubed for a smooth typing experience.

To replace switches or keycaps:

1. Use the included keycap puller to gently remove the desired keycap.
2. Use the included switch puller to carefully grip the switch from the top and bottom clips, then pull it straight up to remove.
3. Align the pins of the new switch with the holes on the PCB and press down firmly until it clicks into place. Ensure pins are not bent.
4. Place the new keycap onto the switch stem and press down until secure.

Full-Key Hot-Swap Functionality
Hot-swap PCB allows you to replace 3 pins/5 pins switches

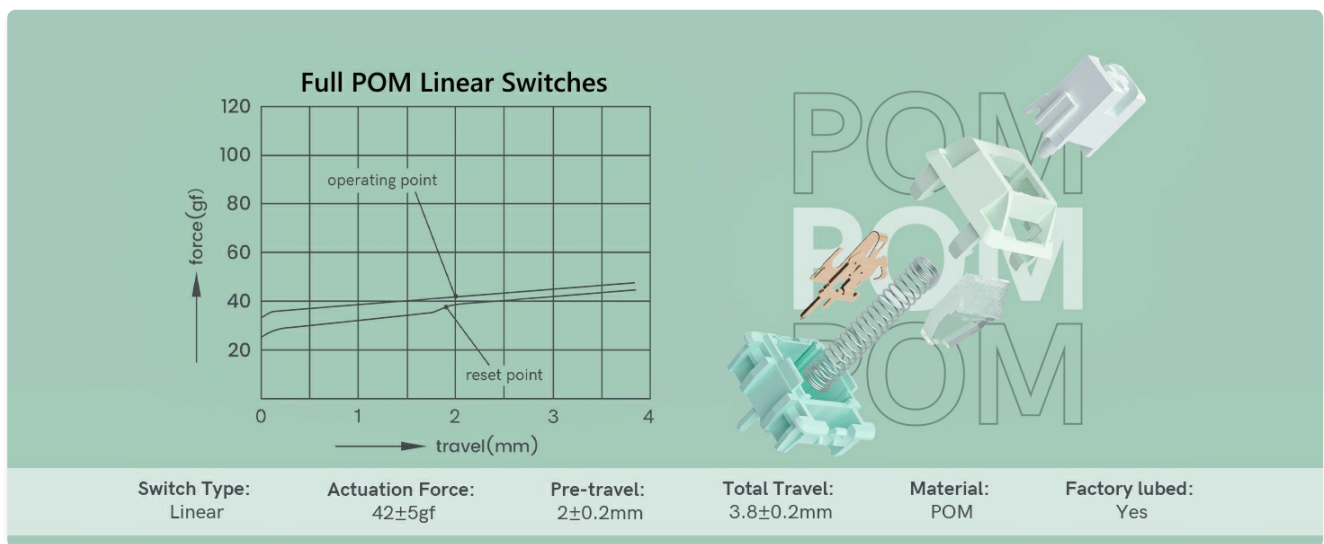Figure 3.1: Hot-swapping switches on the Womier SK75.

Full POM Linear Switches

Switch Type:	Actuation Force:	Pre-travel:	Total Travel:	Material:	Factory lubed:
Linear	42±5gf	2±0.2mm	3.8±0.2mm	POM	Yes

Figure 3.2: Details of the Full POM Linear Switches.

1. Cherry Profile PBT Keycaps
2. Aluminum Top Case
3. Womier POM Linear Switches
4. Flex-cut Polypropylene Plate
5. PORON Plate Foam
6. IXPE Switch Pad
7. PET Acoustic Pad
8. 1.2mm Flex-Cut FR4 PCB
9. EPDM Case Foam
10. PET Insulation Film
11. Gaskets
12. Aluminum "Accent Frame"
13. 4000mAh Battery
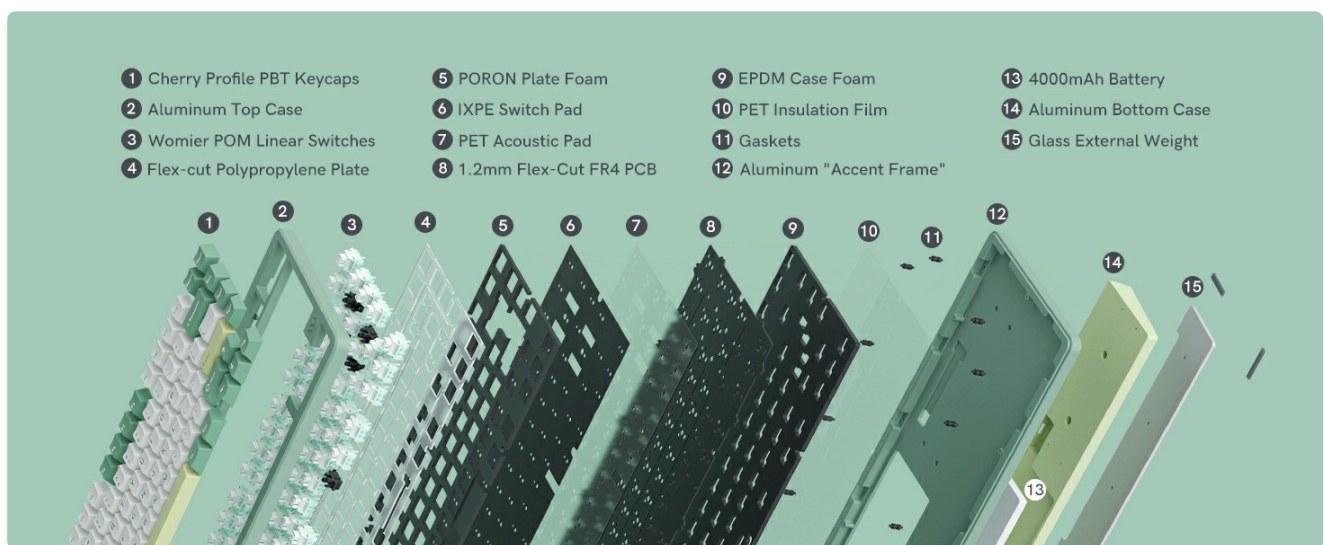14. Aluminum Bottom Case
15. Glass External Weight

Figure 3.3: Internal structure and components of the Womier SK75.

4. TROUBLESHOOTING

If you encounter issues with your Womier SK75 keyboard, please refer to the following common problems and solutions:

4.1 Connection Issues

- **Keyboard not connecting wirelessly:** Ensure the battery switch under the Caps Lock key is in the "ON" position. For 2.4GHz, verify the receiver is properly inserted and try a different USB port. For Bluetooth, ensure the keyboard is in pairing mode (rapid flashing F1/F2/F3) and your device's Bluetooth is enabled.
- **Wired connection not recognized:** Try a different USB-C cable or a different USB port on your computer. Ensure the cable is fully inserted into both the keyboard and the computer.
- **Intermittent connection:** Ensure the keyboard is within range of the receiver/Bluetooth device. Avoid sources of interference (e.g., other wireless devices, large metal objects).

4.2 Key Functionality Issues

- **Keys not responding:** Check if the switch is properly seated. If not, remove the keycap and switch, then

reinsert the switch firmly. If the issue persists, try replacing the switch with a spare one.

- **Double typing or missed keystrokes:** This can sometimes be resolved by reseating the switch. If the problem continues, the switch may be faulty and require replacement.
- **Incorrect key output:** Verify your key mappings in the VIA software. Reset to default settings if necessary.

4.3 Lighting Issues

- **RGB lights not working:** Ensure the backlight is turned on using **FN + Back**. Check brightness settings using **FN + ↑**.
- **Inconsistent lighting:** This might indicate a loose switch or LED. Try reseating the switch.

5. PRODUCT SPECIFICATIONS

Feature	Detail
Model Number	SK75
Layout	75% Keyboard (82 Keys)
Connectivity Technology	2.4GHz Wireless, Bluetooth 5.0, USB-C Wired
Switches	Full POM Linear Switches (Pre-lubed, Hot-swappable 3-pin/5-pin)
Keycaps	PBT Keycaps with Cherry Profile
Backlighting	RGB (16.8 million colors, South-facing LEDs)
Case Material	Full Aluminum Alloy Shell
Battery Capacity	4000mAh Lithium Polymer (included)
Compatibility	Windows, Mac, Laptop, PC, Tablet, Smartphone
Sound Insulation	Five layers of padding (PORON plate foam, IXPE switch pad, PET acoustic pad, EPOM case foam, PET insulation film)
Dimensions (L x W x H)	Approximately 321mm x 140mm x 38mm (15.07 x 8.43 x 3.39 inches)
Item Weight	5.72 pounds

Figure 5.1: Womier SK75 Keyboard Dimensions.

6. WARRANTY AND SUPPORT

For any product inquiries, technical support, or warranty claims, please contact Womier customer service through the platform where you purchased the product or visit the official Womier website for contact information.

Please retain your proof of purchase for warranty purposes.