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### Womier TC-VK66-BAI

# Womier VK66 PRO 60% Gaming Keyboard User Manual

Model: TC-VK66-BAI

## 1. INTRODUCTION

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Thank you for choosing the Womier VK66 PRO 60% Gaming Keyboard. This compact, high-performance mechanical keyboard is designed for an optimal gaming and typing experience, featuring QMK/VIA compatibility, hot-swappable switches, vibrant RGB lighting, and a gasket-mounted structure for enhanced acoustics and feel. This manual provides detailed instructions for setup, operation, maintenance, and troubleshooting to ensure you get the most out of your new keyboard.

## 2. PACKAGE CONTENTS

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Please verify that all items are present in your package:

- Womier VK66 PRO 60% Gaming Keyboard
- USB Cable
- Keycap Puller
- Switch Puller
- Additional Keycaps (Color Dye-Sublimation Keycaps)
- Keyboard Strap
- User Manual



Image: Womier VK66 PRO keyboard and included accessories, including the USB cable, keycap puller, switch puller, additional keycaps, and keyboard strap.

### 3. SETUP

#### 3.1 Connecting the Keyboard

1. Locate the USB-C port on the Womier VK66 PRO keyboard.
2. Connect one end of the provided USB-C cable to the keyboard's USB-C port.
3. Connect the other end of the USB-C cable to an available USB port on your computer (PC, Mac, or Linux).
4. The keyboard will automatically be recognized by your operating system.

#### 3.2 Adjusting Keyboard Angle

The keyboard features a 2-stage kickstand design on the underside, allowing you to adjust the typing angle for ergonomic comfort. Gently pull out the kickstands to your preferred height.

#### Keyboard Accessories are Also Very High Quality

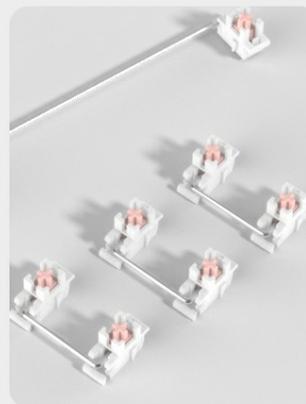


Image: The underside of the Womier VK66 PRO keyboard showing the adjustable kickstands in an extended position, providing an ergonomic typing angle.

## 4. OPERATING INSTRUCTIONS

### 4.1 QMK/VIA Compatibility

The Womier VK66 PRO keyboard supports QMK/VIA open-source firmware, allowing for extensive customization of key layouts, macros, and lighting effects. You can easily program and remap each key on any system (macOS, Windows, or Linux) using the VIA software.

- Download the VIA software from the official QMK/VIA website.
- Connect your keyboard and launch the VIA software.
- The software will automatically detect your keyboard, allowing you to customize key assignments, create macros, and configure lighting.

**QMK/VIA Custom Gaming Keyboard**  
You can easily program and remap each key you want on any system (macOS, Windows, or Linux)

The image displays the VIA software interface, which allows users to customize key assignments, create macros, and configure lighting. The interface shows a virtual keyboard layout with various settings like 'BASIC', 'MEDIA', 'MACRO', 'LAYERS', 'SPECIAL', 'LIGHTING', and 'CUSTOM'. Below the software interface is a photograph of the physical Womier VK66 PRO keyboard, which features a white and grey keycap set and a rainbow LED light strip along the bottom edge.

Image: A visual representation of the QMK/VIA software interface, demonstrating how users can program and remap keys on the Womier VK66 PRO keyboard.

## QMK/VIA Custom Gaming Keyboard

You can easily program and remap each key you want on any system (macOS, Windows, or Linux)

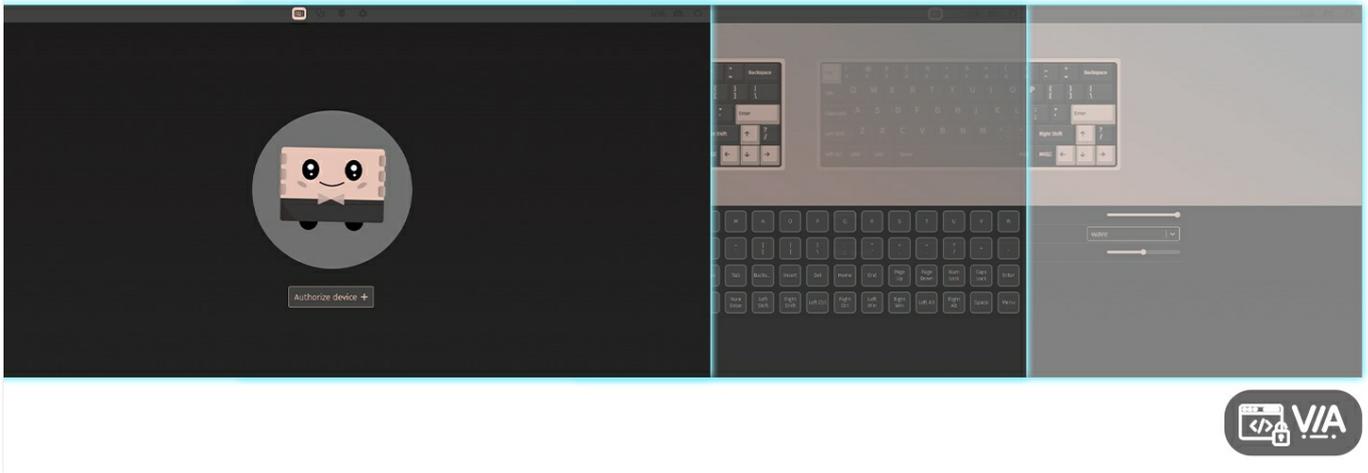


Image: The Womier VK66 PRO keyboard shown with an overlay highlighting its QMK/VIA programmability, double shot PBT keycaps, gasket-mounted design, multi-layer filling, hot-swappable switches, 16.8M-color RGB, adjustable foot brace, and metal knob.

### 4.2 RGB Lighting Control

The VK66 PRO features dynamic 16.8M-color RGB backlighting with unique effects. You can control the lighting directly on the keyboard using function key combinations or through the VIA software.

- **Fn + \ (Backslash):** Switch between different backlight modes.
- **Fn + [ :** Decrease backlight speed.
- **Fn + ] :** Increase backlight speed.
- **Fn + ; :** Decrease backlight brightness.
- **Fn + ' :** Increase backlight brightness.
- **Fn + Backspace:** Restore factory lighting settings.



Image: Multiple Womier VK66 PRO keyboards displaying up to 46 different RGB lighting effects, with key combinations for controlling speed, brightness, and modes.

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Video: Demonstrates the LED backlit features of the Womier VK66 PRO keyboard, showcasing various lighting patterns and colors.

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Video: An overview of the Womier VK66 PRO 60% mechanical gaming keyboard, highlighting its compact size and RGB lighting.

### 4.3 Multimedia Control Knob

The keyboard features a convenient multimedia control knob located on the top right. This knob allows for quick volume adjustments:

- **Rotate Clockwise:** Increase volume.
- **Rotate Counter-clockwise:** Decrease volume.
- **Short Press:** Mute/unmute audio.

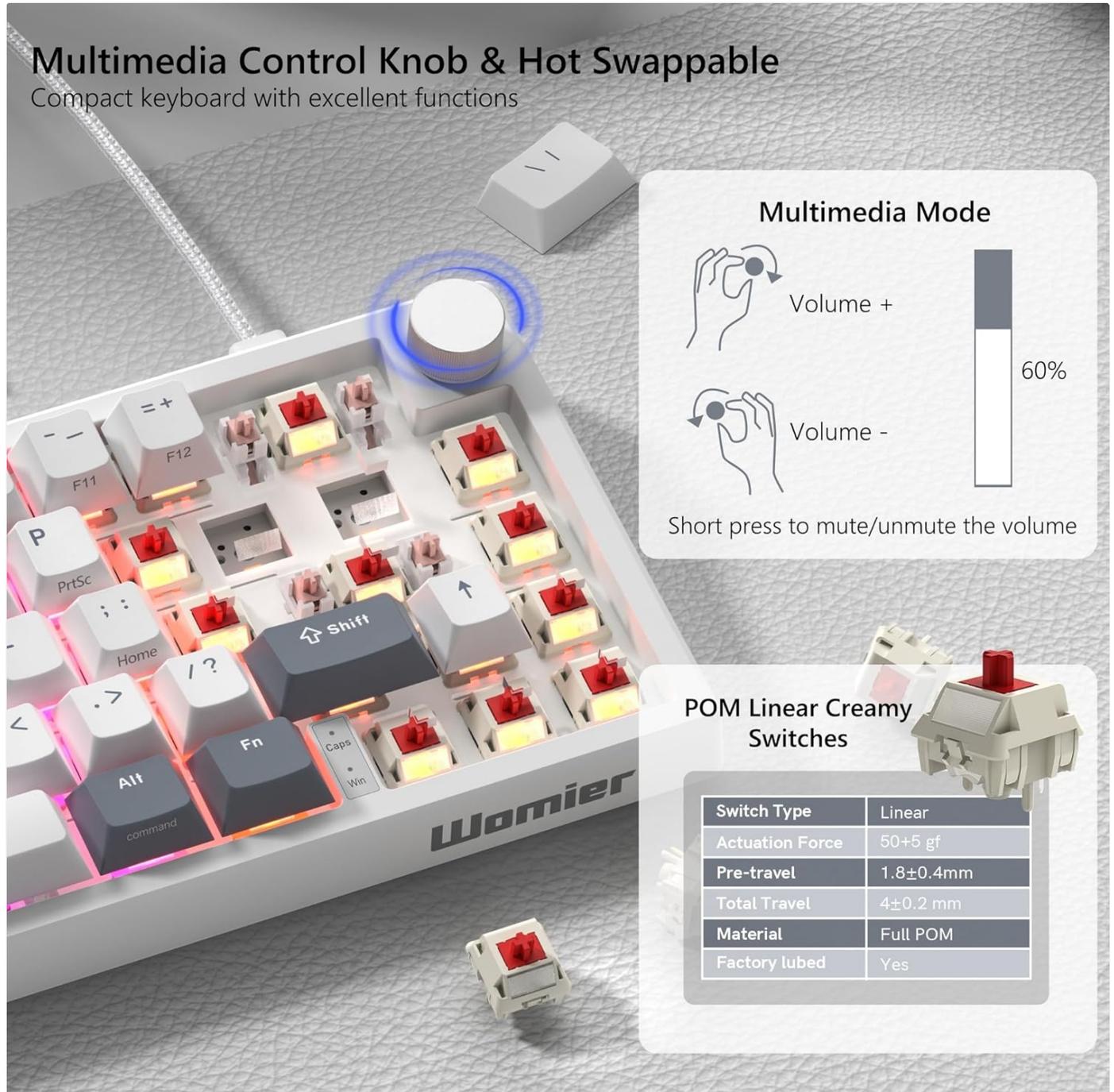


Image: A detailed view of the multimedia control knob on the Womier VK66 PRO keyboard, illustrating its volume control and mute functions. Also shows the hot-swappable POM linear switches.

### 4.4 Hot-Swappable Switches

The VK66 PRO is equipped with a hot-swappable PCB, allowing you to easily replace mechanical switches without soldering. It supports both 3-pin and 5-pin switches. The keyboard comes pre-installed with POM linear switches, known for their creamy and thocky sound profile.

- To remove a keycap, use the provided keycap puller.

- To remove a switch, use the provided switch puller, gently gripping the top and bottom clips of the switch and pulling upwards.
- To install a new switch, align the pins with the holes on the PCB and press down firmly until it clicks into place. Ensure pins are straight to avoid bending.



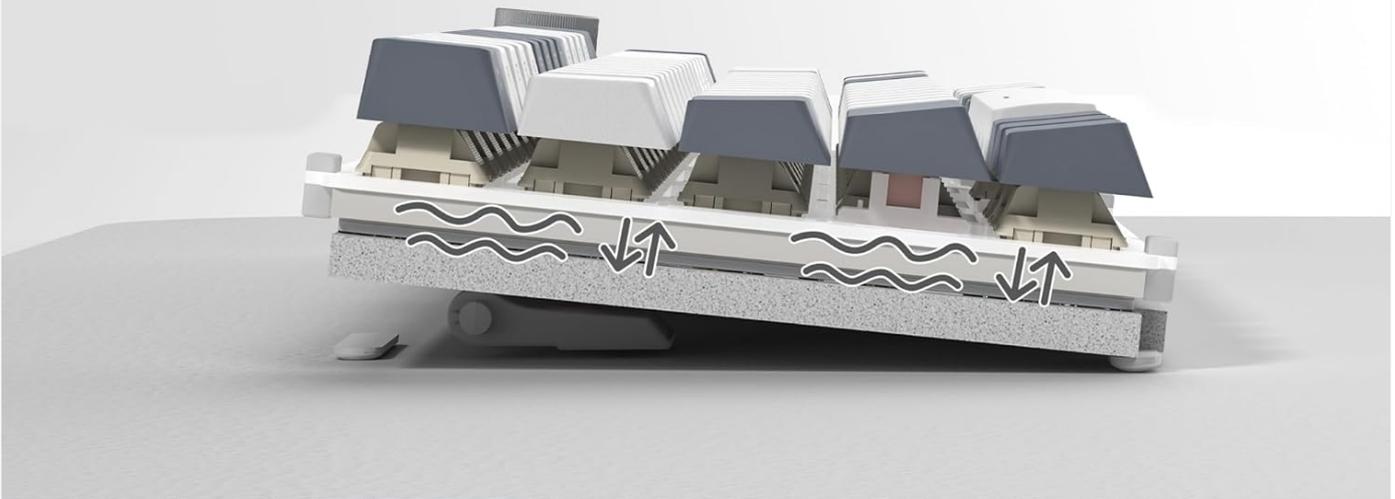
Image: A diagram detailing the specifications of the POM Linear Switches, including switch type, actuation force, pre-travel, total travel, material (Full POM), and factory lubrication status.

## 4.5 Gasket-Mounted Design

The keyboard features a gasket-mounted structure with multiple layers of filling material between the PCB, positioning plate, and switches. This design optimizes elasticity and stability, providing a softer, more elastic typing experience and reducing rigid noise for a satisfying, low-noise sound profile.

## Gasket-mounted Mechanical Keyboard

Better optimize the elasticity and stability, feel softer and more elastic



## Multi-layer Filling Muffler Filling

Provides even feedback while the vertical cushioning reduces rigid noise



Image: A cutaway diagram of the Womier VK66 PRO keyboard, illustrating its gasket-mounted mechanical structure and multi-layer muffler filling for improved typing feel and reduced noise.

### 4.6 N-Key Rollover (NKRO)

The Womier VK66 PRO supports N-Key Rollover, meaning every key press is registered independently, regardless of how many keys are pressed simultaneously. This prevents ghosting and ensures accuracy, especially during fast-paced gaming or typing.

### 4.7 Convenient Hotkey Combinations

The 60% layout utilizes function key combinations to access various commands. Refer to the keycap legends for specific functions. Some common combinations include:

- **Fn + \:** Tilde (~)
- **Fn + 4\$:** F4
- **Fn + 5%:** F5
- **Fn + 6^:** F6

- **Fn + 7&:** F7
- **Fn + 8\*:** F8
- **Fn + 9(:** F9
- **Fn + 0):** F10
- **Fn + -\_:** F11
- **Fn + =+:** F12
- **Fn + Win:** Toggle Win key function (lock/unlock).
- **Fn + I:** Insert
- **Fn + P:** Print Screen
- **Fn + L:** Scroll Lock
- **Fn + ;:** Home
- **Fn + ':** End
- **Fn + /?:** Page Up
- **Fn + Shift:** Page Down



Image: A visual guide to the convenient hotkey combinations available on the Womier VK66 PRO keyboard, showing various Fn key pairings for functions like F-keys, Insert, Print Screen, Scroll Lock, Home, End, Page Up, Page Down, and Win key toggle.

## 5. MAINTENANCE

### 5.1 Cleaning the Keyboard

- **Keycaps:** Use a keycap puller to remove keycaps. Clean them with a mild soap solution and a soft cloth. Ensure they are completely dry before reattaching.
- **Keyboard Body:** Wipe the keyboard body with a soft, damp cloth. Avoid using harsh chemicals or abrasive materials.
- **Between Keys:** Use compressed air to remove dust and debris from between the switches. A small brush can also be used for stubborn particles.

### 5.2 General Care

- Avoid spilling liquids on the keyboard.
- Do not expose the keyboard to extreme temperatures or direct sunlight.
- Handle the keyboard and its components with care to prevent damage.

## 6. TROUBLESHOOTING

Issue	Possible Cause	Solution
Keyboard not responding	Loose USB connection, faulty cable, driver issue.	Check USB cable connection. Try a different USB port or cable. Restart your computer. Reinstall keyboard drivers if necessary.
RGB lighting not working	Lighting mode off, brightness too low, software conflict.	Press <b>Fn + \</b> to cycle through modes. Increase brightness with <b>Fn + '</b> . Reset lighting with <b>Fn + Backspace</b> . Check VIA software settings.
Keys not registering or double-typing	Loose switch, debris under keycap/switch, faulty switch.	Remove keycap and switch, clean the area, and reinsert the switch firmly. If issue persists, replace the switch.
Multimedia knob not functioning	Software conflict, physical obstruction.	Ensure no debris is obstructing the knob. Check VIA software for any remapping of the knob. Restart keyboard/computer.
Keyboard feels wobbly or unstable	Kickstands not fully extended or unevenly set.	Ensure both kickstands are fully extended and locked into place.

## 7. SPECIFICATIONS

Feature	Detail
Brand	Womier
Model Number	TC-VK66-BAI
Keyboard Description	Mechanical
Connectivity Technology	USB-C
Number of Keys	61
Keyboard Backlighting	RGB (16.8M colors)
Special Features	RGB Keyboard, Keyboard Strap, Hot-Swappable, Gasket-Mounted, Multimedia Knob, QMK/VIA Compatible
Material	Polybutylene Terephthalate (PBT Keycaps)
Item Weight	1.54 pounds
Package Dimensions	14.45 x 5.91 x 2.24 inches
Country of Origin	China

## 8. WARRANTY AND SUPPORT

Womier products come with a standard manufacturer's warranty. For specific warranty details, please refer to the warranty card included in your product packaging or visit the official Womier website. For technical support, troubleshooting assistance, or any inquiries regarding your Womier VK66 PRO keyboard, please contact Womier customer service through their official channels.

You can also visit the [Womier Store on Amazon](#) for more information and product updates.

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