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Womier WK61

Womier WK61 60% Mechanical Gaming Keyboard User Manual

Model: WK61 | Brand: Womier

1. INTRODUCTION

The Womier WK61 is a compact 60% mechanical gaming keyboard designed for an enhanced typing and gaming experience. It features a unique Kanagawa anime theme, vibrant RGB backlighting, hot-swappable switches, and multi-layer sound-dampening materials for a rich acoustic profile. This manual provides essential information for setting up, operating, and maintaining your WK61 keyboard.



Figure 1: Womier WK61 Keyboard Overview

2. PACKAGE CONTENTS

Ensure all items are present in the package:

- Womier WK61 Mechanical Keyboard

- 3 pcs sublimation keycaps (additional for customization)
- USB-C Cable (for connectivity)

3. SETUP

1. **Unpack:** Carefully remove the keyboard and accessories from the packaging.
2. **Connect:** Insert the USB-C end of the provided cable into the keyboard's port and the USB-A end into an available USB port on your computer (PC, PS4, Xbox Series X|S, Xbox One).
3. **Driver Installation (Automatic):** The keyboard is plug-and-play. Your operating system should automatically detect and install the necessary drivers.
4. **Placement:** Place the keyboard on a stable, flat surface.



Figure 2: Keyboard connected to a PC setup.

4. OPERATING INSTRUCTIONS

4.1 Basic Key Functions

The WK61 is a 60% layout keyboard, meaning some functions are accessed via the **Fn** key in combination with other keys. Refer to the keycap legends for specific functions.

- **Fn + Number Row (1-0):** Typically accesses F1-F12 functions.
- **Fn + P, [,], ;, ', /, ?, Alt:** Accesses various media controls and special characters.
- **Fn + M, <, >, ?:** Arrow key functions.

4.2 RGB Backlighting Control

The WK61 features vibrant RGB backlighting with multiple customizable effects. Use the following combinations to control the lighting:

- **Fn + \ | :** Cycle through different RGB lighting modes.
- **Fn + { [:** Decrease brightness.
- **Fn + }] :** Increase brightness.
- **Fn + ; ::** Decrease lighting speed.
- **Fn + ' " :** Increase lighting speed.

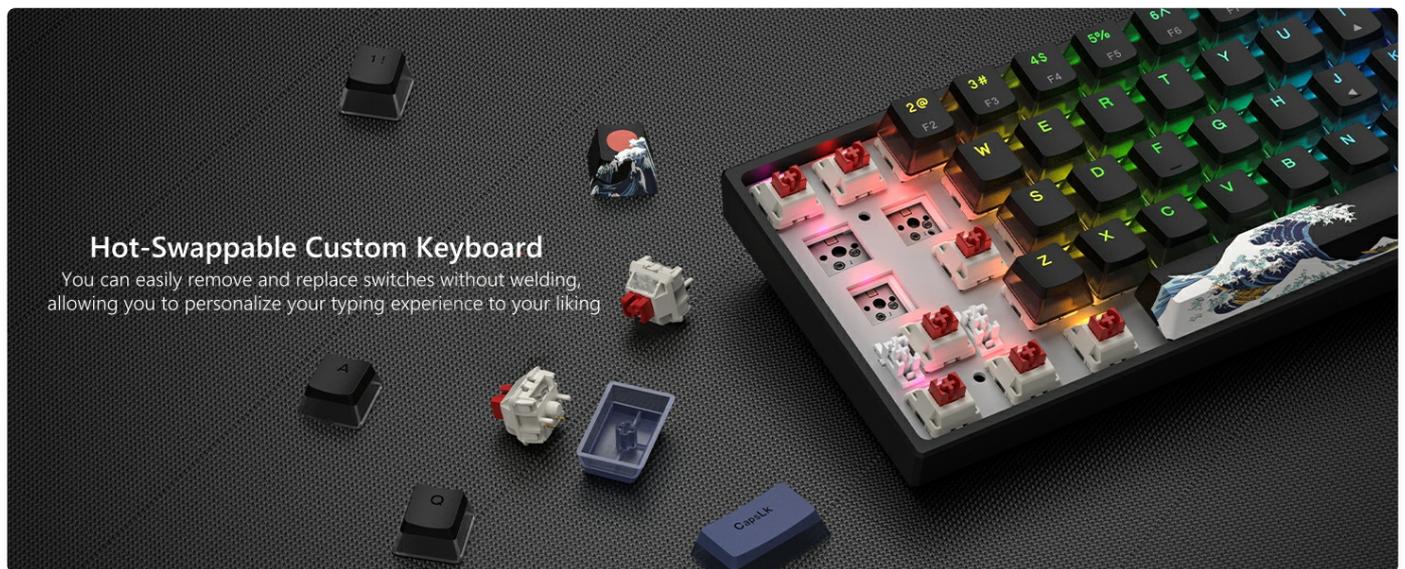


Figure 3: Customizable RGB lighting effects.

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Video 1: Demonstration of RGB lighting modes and key functions on the Womier WK61 keyboard.

5. HOT-SWAPPABLE SWITCHES

The WK61 features hot-swappable sockets, allowing you to easily remove and replace mechanical switches without soldering. This provides flexibility for customizing your typing feel and sound profile.

5.1 Replacing Switches

1. **Remove Keycap:** Use the provided keycap puller to gently remove the desired keycap.
2. **Remove Switch:** Use the switch puller to carefully grip the switch and pull it straight up.
3. **Insert New Switch:** Align the pins of the new switch with the holes on the PCB. Press down firmly until the switch clicks into place. Ensure pins are not bent.
4. **Replace Keycap:** Place the keycap back onto the new switch.

Hot-Swappable Custom Keyboard

You can easily remove and replace switches without welding, allowing you to personalize your typing experience to your liking



Figure 4: Hot-swappable switch mechanism.

Lifespan	Up to 50 million keystrokes
Operating force	50+5 gf
Total Travel	4±0.2 mm
Pre-travel	1.8+0.4 mm
Type	Linear
Pre-lubed	Yes
Material	FuLL POM

Figure 5: Specifications of the POM Linear Red Switch.

6. PROGRAMMABLE SOFTWARE

The Womier WK61 supports programmable software, allowing you to personalize keyboard layouts, shortcut keys, and backlight effects. This enables advanced customization for a tailored user experience.

6.1 Software Features

- **Key Remapping:** Assign custom functions to individual keys.
- **Macro Creation:** Record and assign complex sequences of keystrokes.
- **Lighting Customization:** Create unique RGB lighting profiles and effects.

Please visit the official Womier website for software download and detailed instructions on its usage.

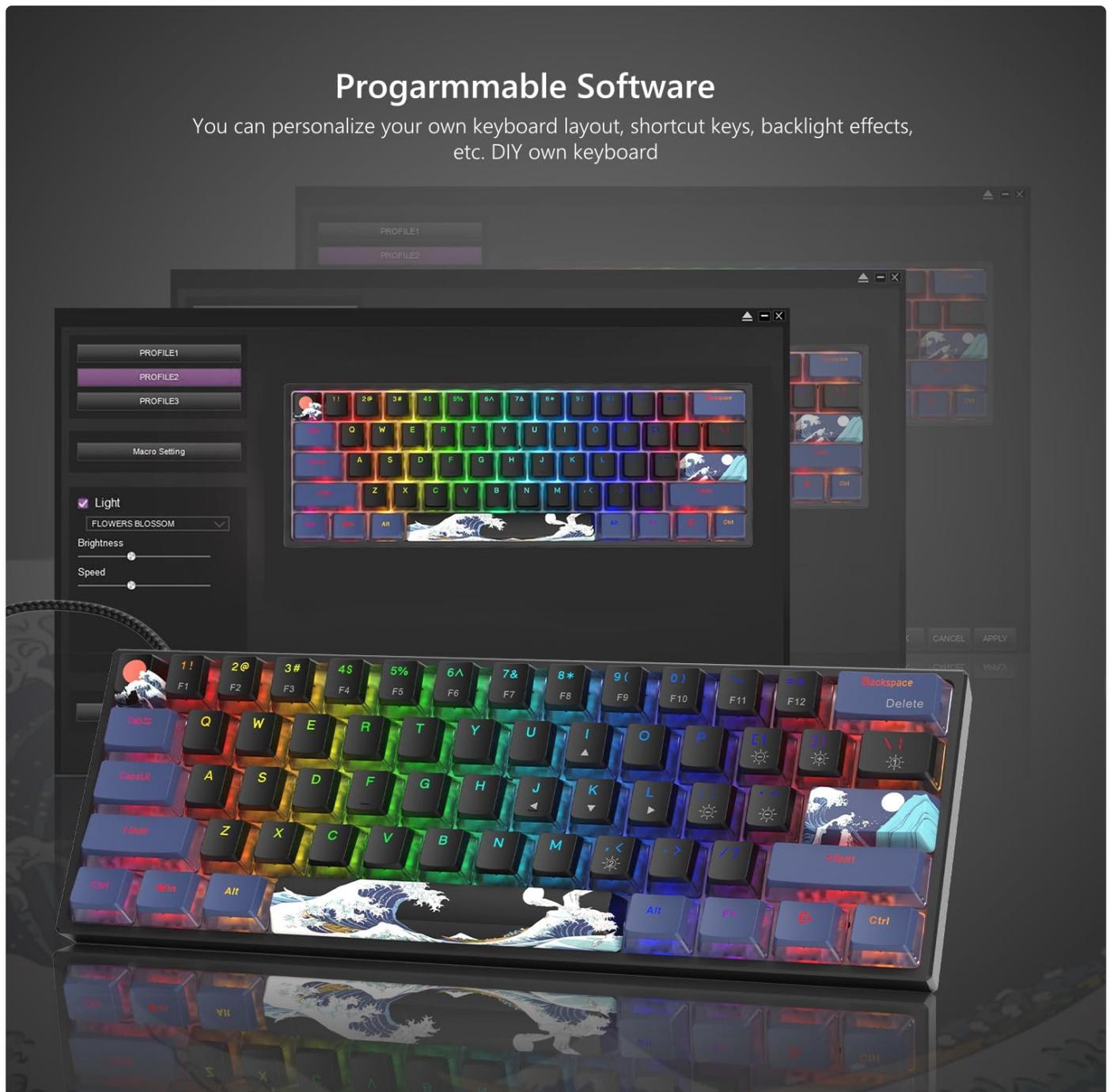


Figure 6: Programmable software interface for the WK61.

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7. MULTI-LAYER FILLING MATERIAL

The WK61 incorporates multiple layers of sound-dampening fillings, including EVA Plate Foam and PE Switches Pad. This design significantly reduces sound resonance between internal components and minimizes hollow noise, providing a richer acoustic experience and a more stable typing feel. This feature is particularly beneficial for keyboard DIY enthusiasts looking to optimize sound and feel.

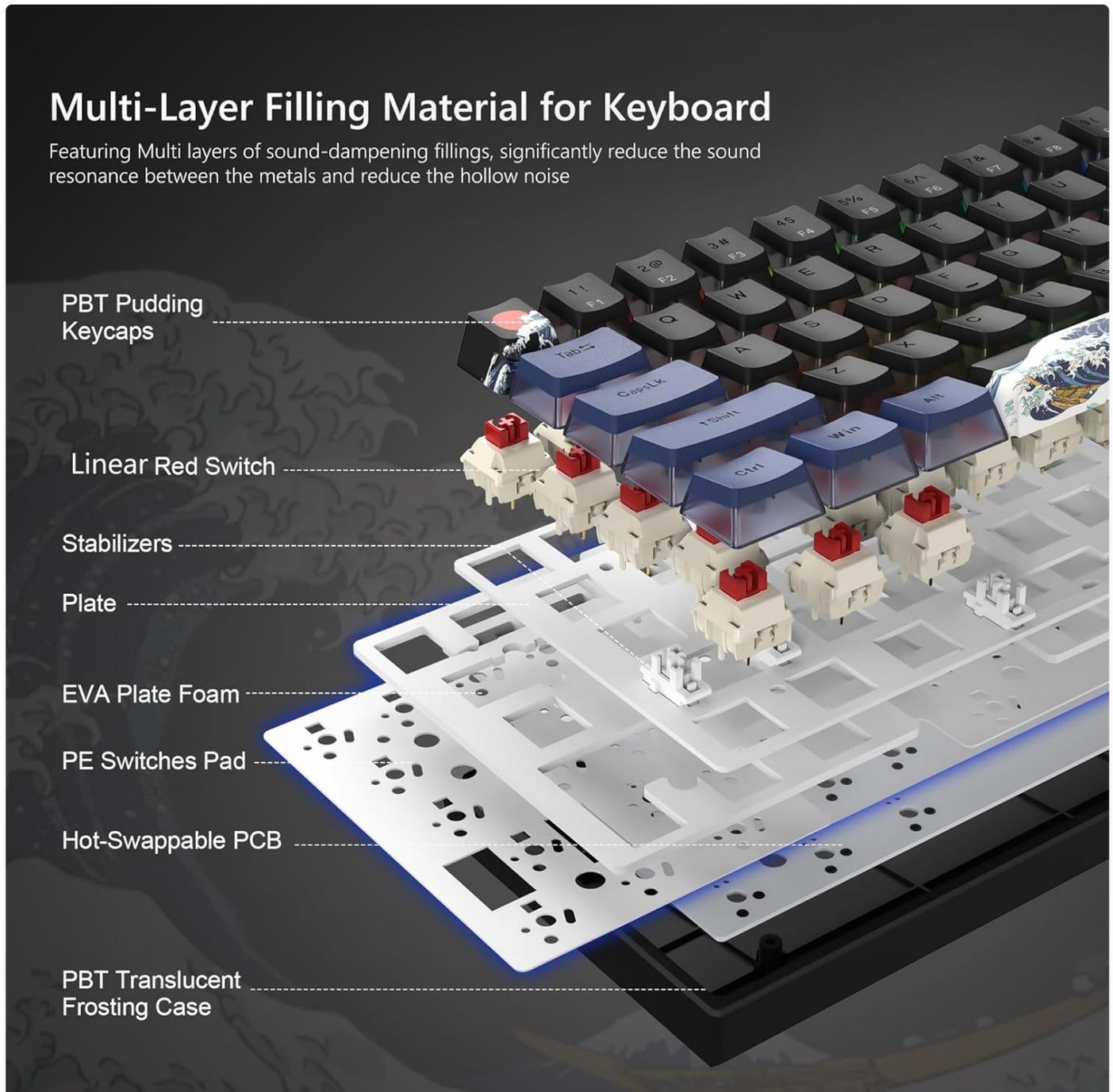


Figure 7: Internal structure showing multi-layer filling materials.

8. MAINTENANCE

- **Cleaning Keycaps:** Use a soft, damp cloth to wipe down keycaps. For deeper cleaning, remove keycaps and wash with mild soap and water, ensuring they are completely dry before reattaching.
- **Cleaning the Board:** Use compressed air to remove dust and debris from between the keys. A soft brush can also

be used.

- **Cable Care:** Avoid sharp bends or excessive pulling on the USB-C cable to prevent damage.
- **Storage:** When not in use, store the keyboard in a clean, dry environment away from direct sunlight and extreme temperatures.

9. TROUBLESHOOTING

Issue	Possible Cause	Solution
Keyboard not responding	Loose cable connection, incorrect USB port, driver issue.	Ensure USB-C cable is securely connected to both keyboard and computer. Try a different USB port on your computer. Restart your computer. Check Device Manager for driver issues and update if necessary.
RGB lighting not working/incorrect	Incorrect lighting mode, software conflict.	Cycle through lighting modes using Fn + \ . Adjust brightness using Fn + { [or Fn + }] . If using programmable software, ensure settings are applied correctly. Reinstall programmable software if issues persist.
Keys not registering	Loose or faulty switch, debris under keycap.	Remove keycap and switch, then reinsert the switch firmly. Clean any debris under the keycap or around the switch. If switch is faulty, replace it with a new one.

10. SPECIFICATIONS

Feature	Detail
Brand	Womier
Model	WK61
Layout	60% Percent
Connectivity Technology	USB-C (Wired)
Switch Type	POM Linear Red Mechanical Switch
Hot-Swappable	Yes
Keycaps	PBT Pudding Keycaps
Backlighting	RGB Rainbow Backlit
Compatible Devices	PC, PS4, Xbox Series X S, Xbox One
Dimensions	12.2 x 5.98 x 1.89 inches

Feature	Detail
Item Weight	1.61 pounds
Country of Origin	China

11. WARRANTY AND SUPPORT

For warranty information, technical support, or further inquiries regarding your Womier WK61 keyboard, please refer to the official Womier website or contact their customer service directly. Keep your purchase receipt as proof of purchase for any warranty claims.

Official Womier Store: [Womier Store on Amazon](#)

