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› Rainy75 QK87 75% Wireless Gaming Keyboard Instruction Manual

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MODEL: QK87

Brand: Rainy75

Introduction

The Rainy75 QK87 is a 75% layout wireless mechanical gaming keyboard designed for versatility and customization. It features a built-in TFT multimedia screen, QMK/VIA programmability, and supports three connection modes: wired USB, 2.4GHz wireless, and Bluetooth. This manual provides detailed instructions for setup, operation, maintenance, and troubleshooting.

Features

- **75% Layout with Multimedia Screen:** The QK87 keyboard features a compact 75% layout, optimizing desk space while retaining essential keys. A built-in TFT smart display screen provides real-time information such as time, connection status, battery level, and can be customized with GIF images via software.



This image highlights the key features of the Rainy75 QK87 keyboard, including its compact 75% layout, integrated TFT display, and various technical specifications.

- **Hot-Swappable Switches:** The keyboard supports 3-pin/5-pin hot-swappable switches, allowing users to easily replace switches without soldering to customize typing feel.



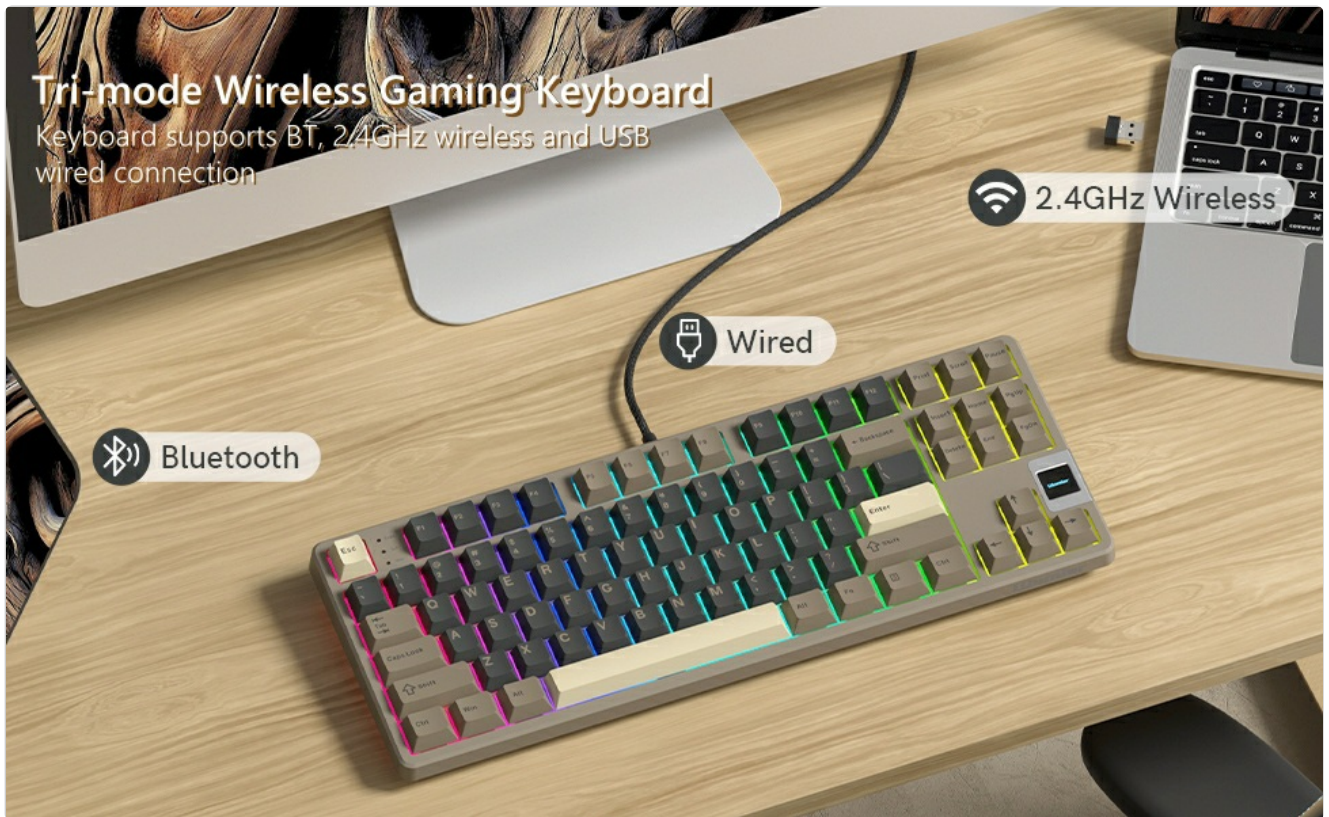
A detailed view of the keyboard's hot-swappable design, illustrating how switches can be easily interchanged for personalized typing experiences.

- **3-Mode Connectivity:** The QK87 offers flexible connectivity options: wired USB-C, 2.4GHz wireless via a dedicated dongle, and Bluetooth. A switch on the back of the keyboard allows selection between Mac and Windows modes.



This image demonstrates the three connectivity options of the keyboard: wired, 2.4GHz wireless, and Bluetooth, suitable for various devices.

- **QMK/VIA Programmability:** The keyboard is compatible with QMK/VIA open-source software, enabling comprehensive customization of key layouts, shortcuts, backlight effects, and macro commands across Windows, Mac, and Linux operating systems.



An illustration of the QMK/VIA software, demonstrating its capabilities for customizing keyboard layouts and functions.

- **RGB Backlighting:** Enjoy 16.8 million colors with customizable RGB lighting effects, enhancing the keyboard's aesthetic appeal and functionality.



The keyboard illuminated with colorful RGB backlighting, showcasing its dynamic lighting effects.

- **Gasket Mount Design:** Provides a flexible and comfortable typing experience.
- **4000mAh Large Capacity Battery:** Ensures extended wireless usage.
- **POM Linear Switches:** Offers a smooth and consistent keystroke.
- **Cherry Profile Double-Shot PBT Keycaps:** Durable keycaps with clear legends.
- **2-stage Adjustable Kickstands:** Allows for customizable typing angles.

Setup

1. **Unboxing:** Carefully remove the keyboard and all accessories from the packaging.
2. **Wired Connection:** Connect the provided USB-C cable to the keyboard's USB-C port and to an available USB port on your computer. The keyboard will automatically power on and function in wired mode.
3. **2.4GHz Wireless Connection:** Locate the 2.4GHz USB dongle, typically stored in a dedicated slot on the back of the keyboard. Insert the dongle into an available USB port on your computer. Switch the keyboard to 2.4GHz mode using the physical switch located on the back of the keyboard.
4. **Bluetooth Connection:** Switch the keyboard to Bluetooth mode using the physical switch on the back. On your device (e.g., laptop, tablet), navigate to Bluetooth settings, search for available devices, and select 'QK87' to pair. Follow any on-screen prompts to complete the pairing process.
5. **Operating System Mode:** Use the Mac/Windows switch on the back of the keyboard to select the appropriate operating system mode for optimal key functionality and layout.

Operating Instructions

- **Multimedia Screen Customization:** The TFT screen can display time, date, battery status, and custom GIF images. Use the dedicated software (available from the manufacturer's website) to upload and manage custom GIFs

or adjust display settings.

This video illustrates the QMK/VIA software interface, showing how to customize key functions and RGB lighting patterns on the QK87 keyboard.

This video demonstrates the QMK/VIA software for customizing keyboard settings and the multimedia screen, including changing RGB lighting and uploading custom images.

- **QMK/VIA Software:** Download the QMK/VIA software from the official Womier website. This software allows for advanced customization of key assignments, macro creation, and lighting effects. Ensure the keyboard is connected in wired mode for initial VIA configuration.
- **RGB Lighting Control:** Cycle through various RGB lighting modes and adjust brightness directly on the keyboard using key combinations (refer to the quick start guide for specific keybinds) or through the QMK/VIA software.

This video showcases the various RGB lighting effects and patterns available on the QK87 keyboard.

- **Key Functions:** The 75% layout includes function keys (F1-F12) accessible via the 'Fn' key. Refer to the keycap legends for specific secondary functions.

Maintenance

- **Cleaning:** Use a soft, dry cloth to clean the keyboard surface. For deeper cleaning, remove keycaps and use compressed air to clear debris from between switches. Avoid using harsh chemicals.
- **Switch Replacement:** To replace switches, use the provided switch puller. Gently grasp the switch and pull upwards. Align the new switch's pins with the PCB sockets and press down firmly until it clicks into place. Ensure the keyboard is powered off before replacing switches.
- **Keycap Replacement:** Use the provided keycap puller to gently remove keycaps. Align new keycaps with the switch stems and press down firmly.

Troubleshooting

- **Keyboard Not Responding:** Check the connection mode switch (wired, 2.4GHz, Bluetooth). Ensure the USB cable is securely connected or the wireless dongle is properly inserted. Recharge the battery if using wireless modes.
- **Multimedia Screen Blank/Frozen:** Try restarting the keyboard by unplugging and re-plugging the USB cable, or by cycling the power switch if available. Ensure the latest firmware is installed.
- **Connectivity Issues:** For 2.4GHz, ensure the dongle is close to the keyboard. For Bluetooth, ensure the keyboard is in pairing mode and your device's Bluetooth is enabled. Try re-pairing the device.
- **QMK/VIA Not Detecting Keyboard:** Ensure the keyboard is connected via USB cable and the correct firmware is loaded. Check the manufacturer's website for troubleshooting guides specific to QMK/VIA.

Specifications

Product Dimensions	8 x 5 x 2 inches (20.32 x 12.7 x 5.08 cm)
Item Weight	2.38 pounds (1.08 kg)
Brand	Rainy75
Compatible Devices	Laptop

Connectivity Technology	Bluetooth, 2.4GHz Wireless, USB-C Wired
Keyboard Description	Mechanical
Recommended Uses	Gaming
Special Features	QMK/VIA, Multimedia Screen, Hot-Swappable
Keyboard Backlighting	RGB
Material	Silicone (internal dampening)
Battery Capacity	4000mAh
Number of Keys	87
Switches	POM Linear Switches
Keycaps	Cherry Profile Double-Shot PBT Keycaps

Warranty and Support

For warranty information and technical support, please refer to the official Rainy75 or Womier website. Keep your purchase receipt for warranty claims. You can visit the [Rainy75 Store on Amazon](#) for additional product information and support resources.

