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> GK GAMAKAY LK67 65% RGB Modular DIY Mechanical Keyboard User Manual

GK GAMAKAY LK67

GK GAMAKAY LK67 Mechanical Keyboard User Manual

Model: LK67

1. INTRODUCTION

The GK GAMAKAY LK67 is a 65% layout mechanical keyboard kit designed for customization. It features a 67-key layout with a multi-function knob, hot-swappable switch sockets, and triple-mode connectivity (Bluetooth 5.0, 2.4GHz wireless, and USB-C wired). This manual provides instructions for setting up, operating, and maintaining your LK67 keyboard.

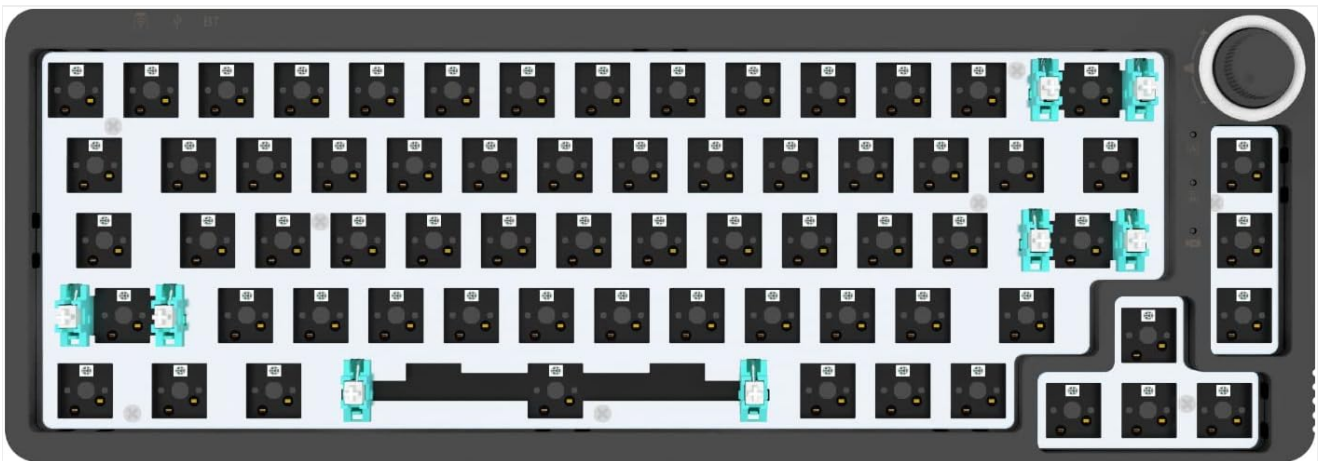


Image: The GK GAMAKAY LK67 mechanical keyboard kit, shown without keycaps or switches, highlighting its compact 65% layout and hot-swappable PCB.

2. PACKAGE CONTENTS

Please verify that all items are present in your package:

- GK GAMAKAY LK67 Keyboard Kit (main unit)
- USB Type-C Cable
- 2.4GHz USB Receiver
- Switch Puller / Keycap Puller (Integrated Separator)
- Instruction Manual (this document)



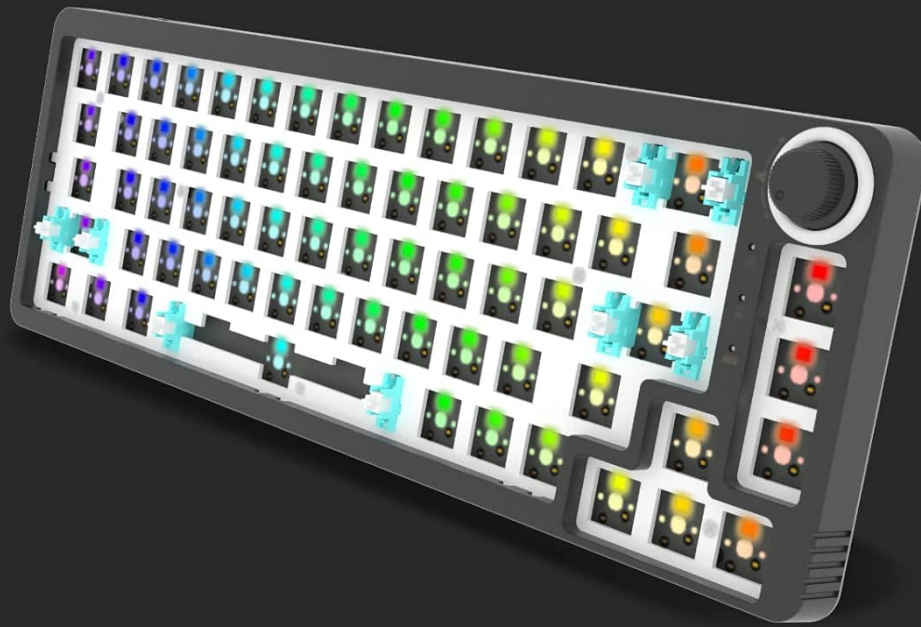
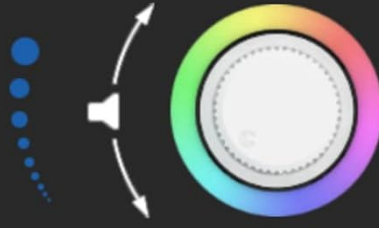
Image: Contents of the GK GAMAKAY LK67 package, including the keyboard kit, USB-C cable, 2.4GHz receiver, and a combined switch/keycap puller tool.

3. PRODUCT OVERVIEW

3.1 Keyboard Layout and Components

The LK67 features a compact 65% layout with 67 keys and a rotary knob. The PCB is hot-swappable, allowing for easy installation and removal of 3-pin or 5-pin mechanical switches without soldering.

Volume Knob



**Knob is multi-function with one button:
Volume+ / Volume- / Play / Pause**

Image: Close-up view of the LK67 PCB, showing the hot-swappable switch sockets and stabilizer mounts, ready for switch installation.

3.2 Multi-function Knob

The rotary knob located in the top right corner serves multiple functions:

- **Rotate Clockwise:** Increase Volume
- **Rotate Counter-clockwise:** Decrease Volume
- **Press:** Play/Pause Media

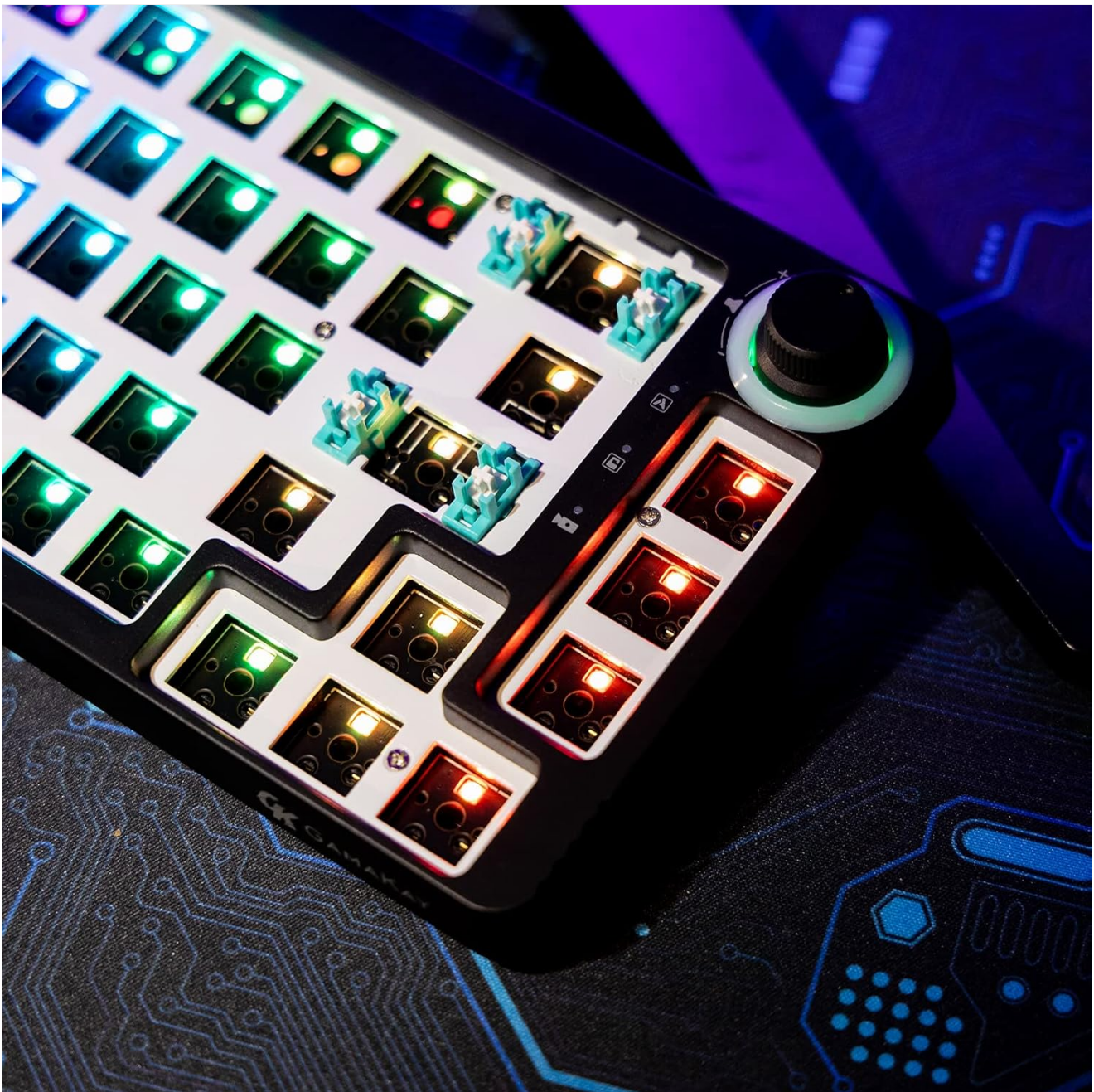


Image: Diagram illustrating the multi-functionality of the LK67's rotary knob, indicating its use for volume control and media playback.

4. SETUP AND CONNECTIVITY

The LK67 supports three connection modes: USB-C Wired, 2.4GHz Wireless, and Bluetooth 5.0. You can connect up to four wireless devices (one 2.4GHz, three Bluetooth) and one wired device simultaneously.



Image: Diagram showing the LK67's triple-mode connectivity, illustrating connections to various devices via Bluetooth, 2.4GHz wireless, and USB-C wired modes.

4.1 Wired Mode (USB-C)

1. Connect the provided USB Type-C cable to the keyboard's USB-C port.
2. Connect the other end of the cable to an available USB port on your computer.
3. The keyboard will automatically switch to wired mode and begin charging.

4.2 2.4GHz Wireless Mode

1. Locate the 2.4GHz USB receiver included in the package.
2. Plug the receiver into an available USB port on your computer.
3. On the keyboard, ensure the mode switch (usually on the back or side) is set to 2.4G mode.
4. The keyboard should automatically connect. If not, press **FN + R** to initiate pairing.

4.3 Bluetooth 5.0 Mode

The LK67 supports up to three Bluetooth devices.

1. On the keyboard, ensure the mode switch is set to Bluetooth mode.

- To select a Bluetooth channel, press **FN + Q** (for Bluetooth 1), **FN + W** (for Bluetooth 2), or **FN + E** (for Bluetooth 3). The corresponding key will flash.
- To enter pairing mode, long-press the selected Bluetooth channel key (e.g., **FN + Q** for 3 seconds). The key will flash rapidly, indicating it is discoverable.
- On your device (computer, tablet, smartphone), open Bluetooth settings and search for new devices.
- Select "GAMAKAY LK67" or a similar name from the list of available devices to pair.
- Once paired, the selected Bluetooth channel key will stop flashing and remain lit.

5. KEY FUNCTIONS AND SHORTCUTS

The LK67 utilizes the Function (FN) key to access various shortcuts and controls.

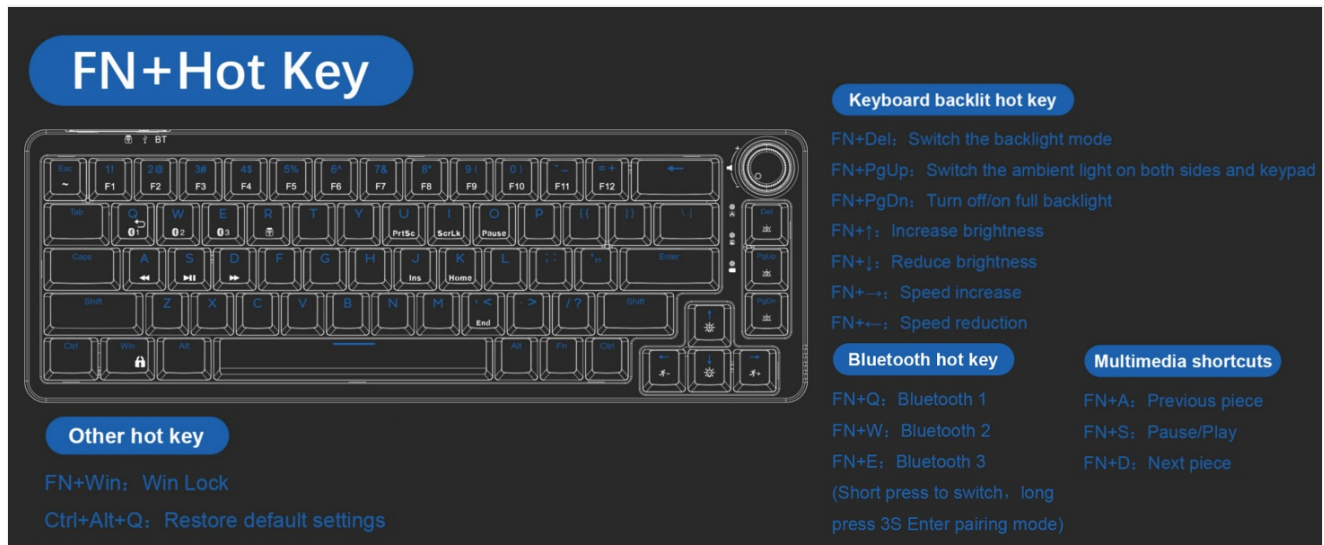


Image: Diagram illustrating the various FN key combinations for backlight control, Bluetooth switching, and multimedia functions on the LK67 keyboard.

5.1 Keyboard Backlight Hot Keys

- **FN + Del:** Switch backlight mode
- **FN + PgUp:** Switch ambient light on both sides and keypad
- **FN + PgDn:** Turn off/on full backlight
- **FN + ↑:** Increase brightness
- **FN + ↓:** Reduce brightness
- **FN + ←:** Speed increase (animation speed)
- **FN + →:** Speed reduction (animation speed)

5.2 Bluetooth Hot Keys

- **FN + Q:** Bluetooth 1 (short press to switch, long press 3s to enter pairing mode)
- **FN + W:** Bluetooth 2 (short press to switch, long press 3s to enter pairing mode)
- **FN + E:** Bluetooth 3 (short press to switch, long press 3s to enter pairing mode)

5.3 Multimedia Shortcuts

- **FN + A:** Previous track
- **FN + S:** Play/Pause
- **FN + D:** Next track

5.4 Other Hot Keys

- **FN + Win:** Lock/Unlock Windows key
- **Ctrl + Alt + Q:** Restore default settings

6. CUSTOMIZATION

6.1 Hot-Swappable Switches

The LK67 features hot-swappable sockets compatible with most 3-pin and 5-pin MX-style mechanical switches (e.g., Cherry, Gateron, Kailh, Otemu). This allows you to change switches without soldering.

1. Using the provided switch puller, carefully grip the switch from the top and bottom clips.
2. Gently pull the switch straight up to remove it from the PCB.
3. Align the pins of the new switch with the holes on the PCB. Ensure the pins are straight.
4. Press the new switch firmly into the socket until it clicks into place. Do not force it if resistance is met; check pin alignment.

6.2 RGB Backlighting

The keyboard features full RGB backlighting with various preset modes, including a bottom mesh structure RGB light and side RGB lights for an immersive lighting experience.



Image: Close-up of the LK67 keyboard showcasing its vibrant RGB backlighting through the hot-swappable sockets and the illuminated side panels.

6.3 Software Customization

For advanced customization, including per-key lighting, macros, and key remapping, download the official software from the GK GAMAKAY website. Ensure the keyboard is in wired mode when using the software.

- **Lighting Customization:** Adjust individual key colors, brightness, speed, and choose from various lighting effects.
- **Key Remapping:** Reassign keys, create custom layouts, and set up multimedia functions.
- **Macro Programming:** Record and assign complex key sequences to specific keys.



Image: Screenshot of the LK67 software interface, demonstrating options for customizing individual key lighting colors and effects.



Image: Screenshot of the LK67 software interface, showing options for remapping keys and defining custom functions.

7. MAINTENANCE

Proper maintenance ensures the longevity and performance of your keyboard.

- **Cleaning:** Regularly clean the keyboard with a soft, dry cloth. For deeper cleaning, remove keycaps and use compressed air to clear dust and debris from between switches.
- **Keycap and Switch Replacement:** Use the provided tools for safe removal and installation of keycaps and switches to avoid damage.
- **Storage:** Store the keyboard in a dry, dust-free environment when not in use.

8. TROUBLESHOOTING

If you encounter issues with your LK67 keyboard, refer to the following common solutions:

- **Keyboard not responding in wireless mode:**
 - Ensure the keyboard is charged.
 - Verify the mode switch is set correctly (2.4G or BT).
 - For 2.4GHz, ensure the USB receiver is securely plugged in. Try re-pairing by pressing **FN + R**.
 - For Bluetooth, ensure the correct channel is selected (**FN + Q/W/E**) and re-enter pairing mode if necessary.

- Try connecting via USB-C wired mode to confirm basic functionality.

- **Keys not registering:**

- Ensure switches are fully seated in their sockets. Remove and re-insert the affected switch.
- Test the keyboard on another device or in wired mode.
- If using customization software, ensure no keys have been accidentally disabled or remapped incorrectly.

- **RGB lighting not working or incorrect:**

- Use **FN + Del** to cycle through lighting modes or **FN + PgDn** to toggle the backlight.
- Check brightness settings with **FN + ↑/↓**.
- If using customization software, verify lighting profiles and settings.

- **Software not detecting keyboard:**

- Ensure the keyboard is connected via USB-C wired mode. The software typically requires a wired connection for detection and programming.
- Restart the software and/or your computer.

9. SPECIFICATIONS

Model	LK67
Layout	65% (67 Keys + 1 Knob)
Connectivity	Bluetooth 5.0, 2.4GHz Wireless, USB-C Wired
Switch Compatibility	3-pin/5-pin Hot-Swappable MX-style switches
Backlighting	Full RGB (per-key, bottom mesh, side lights)
Programmability	Via software (macros, key remapping, lighting)
Compatible Devices	Laptop, PC, Smartphone, Tablet
Product Dimensions	12.99 x 4.72 x 1.38 inches (33 x 12 x 3.5 cm)
Item Weight	1.65 pounds (0.75 kg)

10. WARRANTY AND SUPPORT

GK GAMAKAY products are designed for reliability and performance. For warranty information, technical support, or service inquiries, please refer to the official GK GAMAKAY website or contact their customer support directly. Keep your purchase receipt for warranty claims.