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## MageGee LIGHT87

# MageGee LIGHT87 Wireless Mechanical Keyboard User Manual

MODEL: LIGHT87

Comprehensive guide for setup, operation, and maintenance.

## 1. Product Overview

The MageGee LIGHT87 is a versatile 87-key wireless mechanical keyboard designed for gaming and productivity. It features a gasket-mounted structure for a creamy typing sound, hot-swappable switches, vibrant RGB backlighting, and multiple connectivity options including 2.4GHz wireless, Bluetooth 5.0, and USB-C wired mode. It is equipped with an 8000mAh battery and durable side-printed PBT keycaps.



Figure 1: Top-down view of the MageGee LIGHT87 Wireless Mechanical Keyboard, showcasing its 87-key layout and RGB backlighting.



Figure 2: Overview of the MageGee LIGHT87's key features, including 8000mAh battery, PBT keycaps, Win/Mac dual system support, gasket mount, 5 layers of silencing foams, 16.8 million RGB backlight, triple mode connection, custom hot-swappable switches, and 87-key anti-ghosting.

## 2. Package Contents

Before you begin, please ensure all items are present in the package:

- MageGee LIGHT87 Wireless Mechanical Keyboard
- USB-C to USB-A Cable
- 2.4GHz USB Receiver
- Keycap Puller
- Switch Puller
- User Manual (this document)

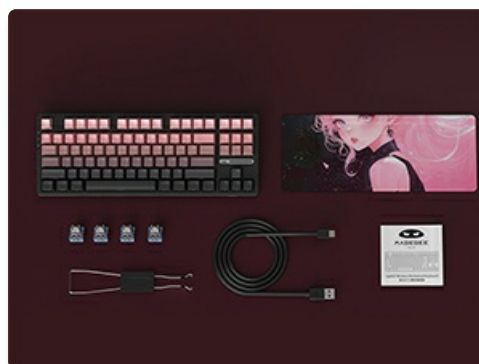


Figure 3: Contents of the MageGee LIGHT87 keyboard package, including the keyboard, USB cable, keycap puller, switch puller, and user manual.

## 3. Setup and Connectivity

The MageGee LIGHT87 keyboard offers three connection modes: USB-C wired, 2.4GHz wireless, and Bluetooth 5.0.

### 3.1 Charging the Keyboard

Before first use, it is recommended to fully charge the keyboard. Connect the provided USB-C cable to the keyboard's USB-C port and the other end to a USB power source (e.g., computer USB port, wall adapter). The keyboard features an 8000mAh large-capacity battery.

# 8000mAh Large Capacity Battery



About 53 hours  
RGB Backlit ON



About 400 hours  
RGB Backlit OFF



Figure 4: Illustration of the 8000mAh battery capacity, providing approximately 53 hours with RGB backlight on and 400 hours with RGB backlight off.



Figure 5: Detailed battery life estimates: 53 hours with backlight on, 400 hours with backlight off, and 450 hours of sleep standby time.

### 3.2 Connection Modes

The keyboard supports seamless switching between wired, 2.4GHz, and Bluetooth modes.





Figure 6: Visual representation of the three connection methods: Type-C Wired, 2.4 GHz Wireless, and Bluetooth 5.0.

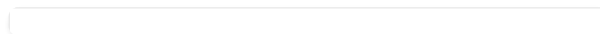


Figure 7: Detailed instructions for switching between 2.4GHz, Bluetooth 5.0, and Type-C wired modes using the toggle switch and Fn key combinations.

### 3.2.1 USB-C Wired Mode

- Connect the USB-C cable to the keyboard and your computer's USB port.
- Toggle the switch on the keyboard to the "2" position (wired mode).
- The keyboard will be automatically recognized by your system.

### 3.2.2 2.4GHz Wireless Mode

- Locate the 2.4GHz USB receiver (usually stored in a compartment on the keyboard).
- Plug the USB receiver into an available USB port on your computer.
- Toggle the switch on the keyboard to the "wifi" icon position (2.4G wireless mode).
- Press **Fn + 4** to activate 2.4GHz mode. The keyboard should connect automatically.

### 3.2.3 Bluetooth 5.0 Mode

The keyboard can connect to up to three Bluetooth devices.

1. Toggle the switch on the keyboard to the "BT" position (Bluetooth mode).
2. Press and hold **Fn + 1**, **Fn + 2**, or **Fn + 3** for 3-5 seconds to enter pairing mode for the desired channel. The indicator light will flash rapidly.
3. On your device (PC, laptop, tablet, smartphone), enable Bluetooth and search for "MageGee LIGHT87".
4. Select the keyboard to pair. Once connected, the indicator light will stop flashing.
5. To switch between paired Bluetooth devices, simply press **Fn + 1**, **Fn + 2**, or **Fn + 3**.

## 4. Operating Instructions

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### 4.1 RGB Backlight Control

The MageGee LIGHT87 features 16.8 million cool RGB backlight options with various effects.

- **Fn + Enter**: Toggle between approximately 20 different backlight modes/effects.
- **Fn + ←**: Adjust light direction (for certain effects).
- **Fn + →**: Adjust light color (for static modes or color cycling).
- **Fn + ↑**: Increase backlight brightness.
- **Fn + ↓**: Decrease backlight brightness.
- **Fn + =+**: Increase backlight speed (for dynamic effects).
- **Fn + -\_**: Decrease backlight speed (for dynamic effects).

# Creamy Sounding Gasket Mounted Keyboard

gasket structure design and five layers silencing cotton, assist with noise reduction, delivering softer typing feel.

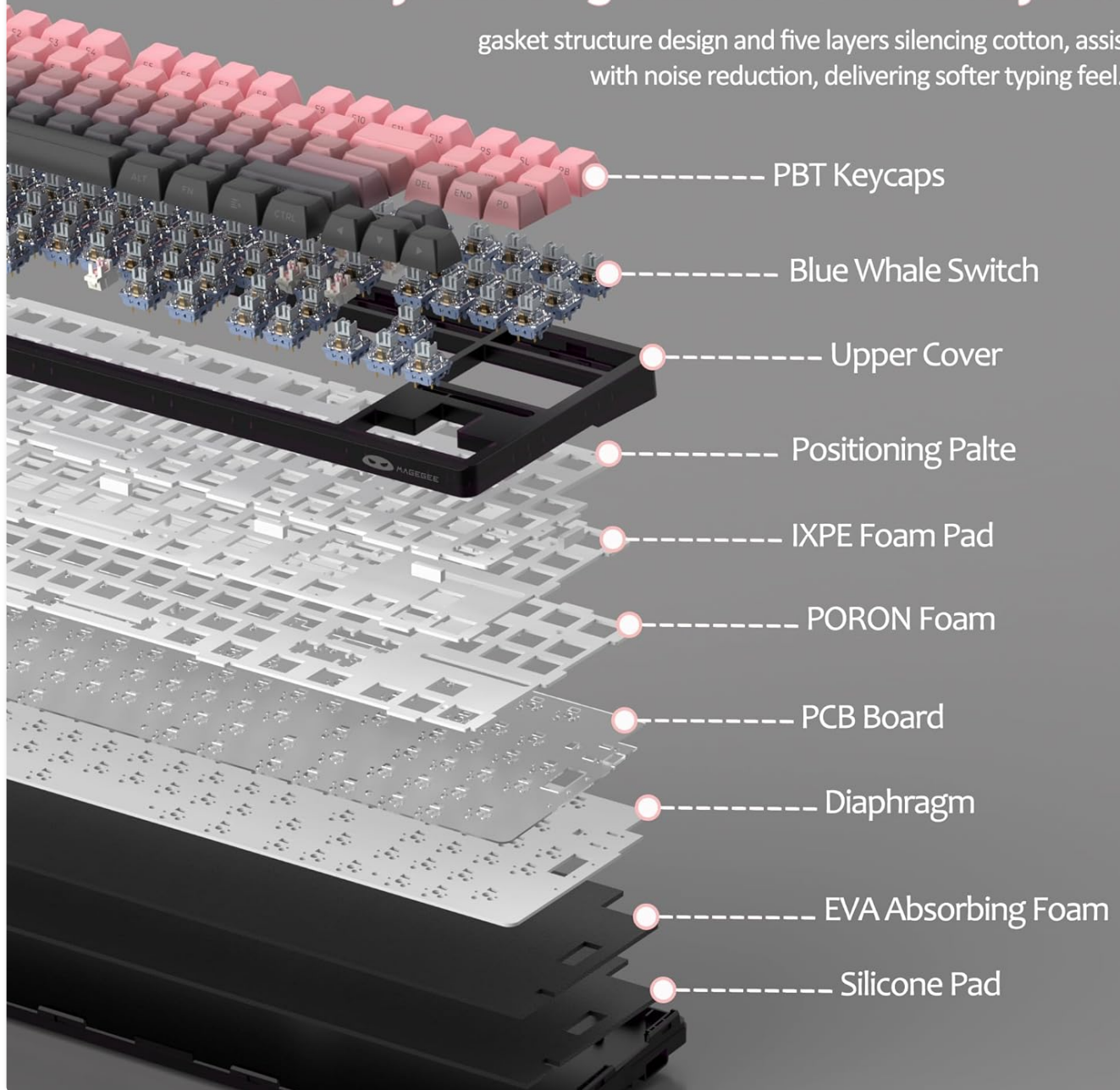


Figure 8: Visual guide to RGB backlight control key combinations.

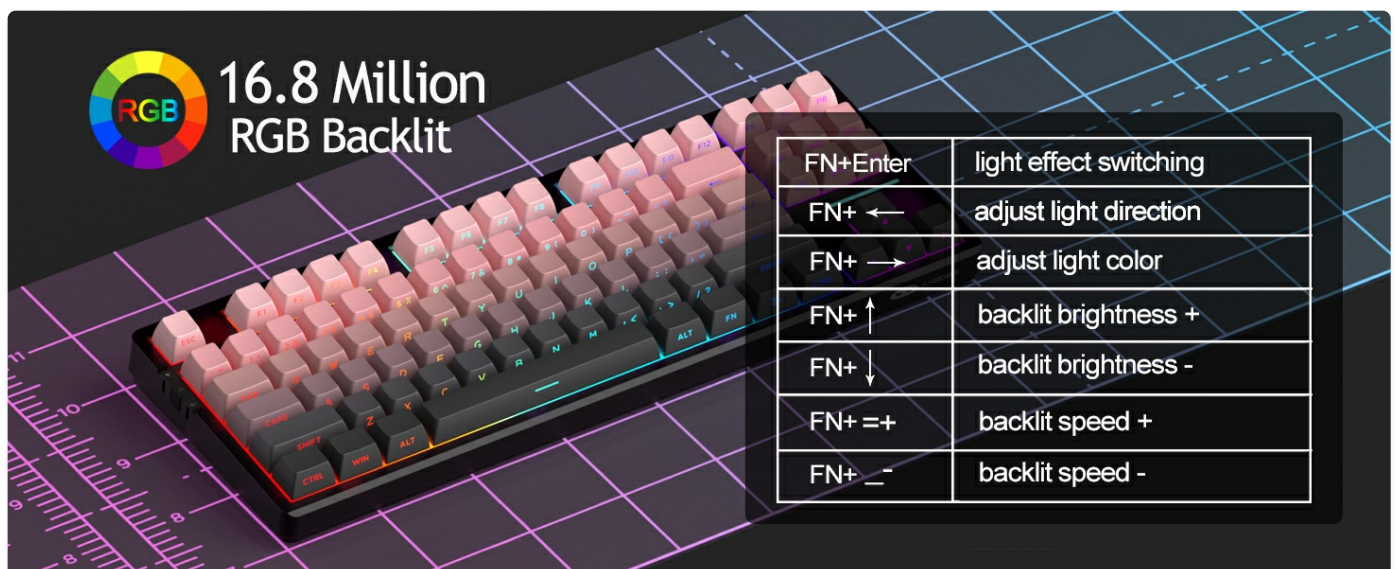




Figure 9: Table summarizing RGB backlight functions and their corresponding Fn key combinations.

4.2 Hot-Swappable Switches

The LIGHT87 keyboard features hot-swappable sockets, allowing you to change switches without soldering. It supports both 3-pin and 5-pin mechanical switches. The keyboard comes pre-installed with quiet linear Blue Whale switches.

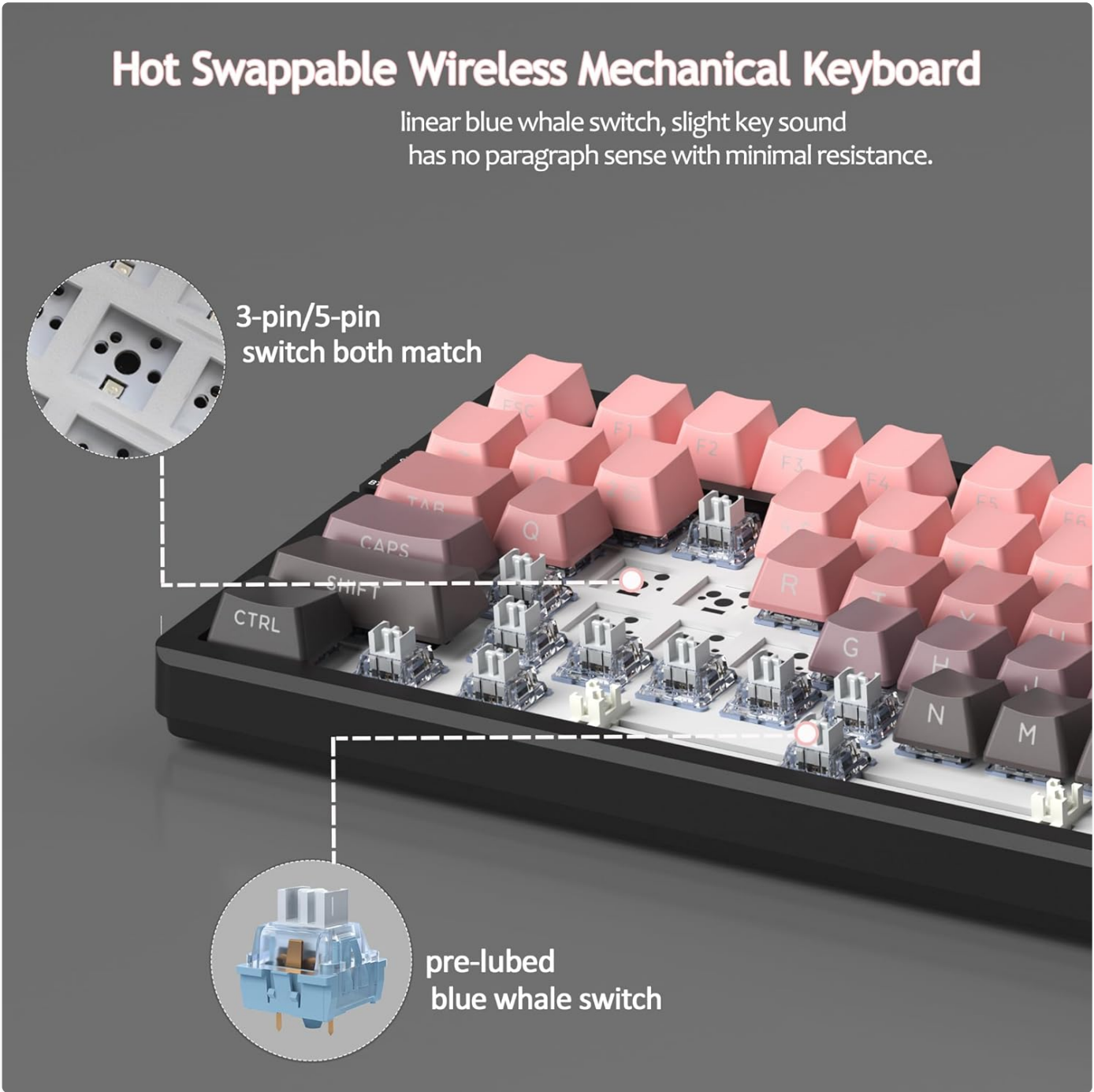


Figure 10: Diagram illustrating the hot-swappable switch mechanism, showing compatibility with 3-pin and 5-pin switches and the pre-lubed Blue Whale switch.



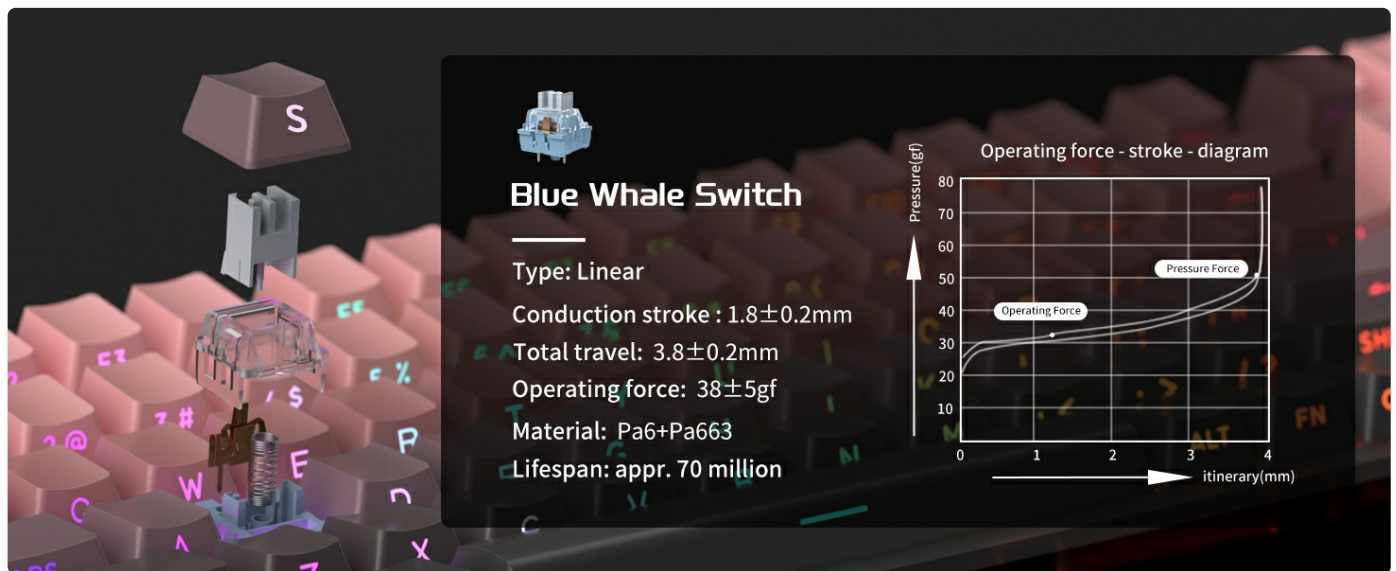


Figure 11: Specifications of the Blue Whale Switch, including linear type, conduction stroke, total travel, operating force, material, and lifespan.

### To Replace Switches:

1. Carefully remove the keycap using the provided keycap puller.
2. Use the switch puller to gently grip the top and bottom clips of the switch.
3. Pull the switch straight up to remove it from the PCB.
4. Align the pins of the new switch with the holes on the PCB.
5. Press the new switch firmly into place until it clicks. Ensure it is seated properly and not bent.
6. Replace the keycap.

### 4.3 Gasket Structure and Sound Dampening

The LIGHT87 utilizes a gasket-mounted design, which provides a softer, more flexible typing feel and contributes to a "creamy thock" sound profile. Additionally, it incorporates five layers of sound-absorbing foams to effectively reduce noise and improve typing comfort.

# LIGHT 87



Side Printed PBT Keycaps



Win/Mac Dual System



Gasket Mounted



5 Layers Silencing Foams



16.8 Million RGB Backlit



Triple Mode Connection



Custom Hot Swappable



8000 mAh Large Battery

Figure 12: Exploded view of the keyboard's internal components, highlighting the gasket structure and various foam layers (IXPE Foam Pad, PORON Foam, EVA Absorbing Foam, Silicone Pad) for sound dampening.

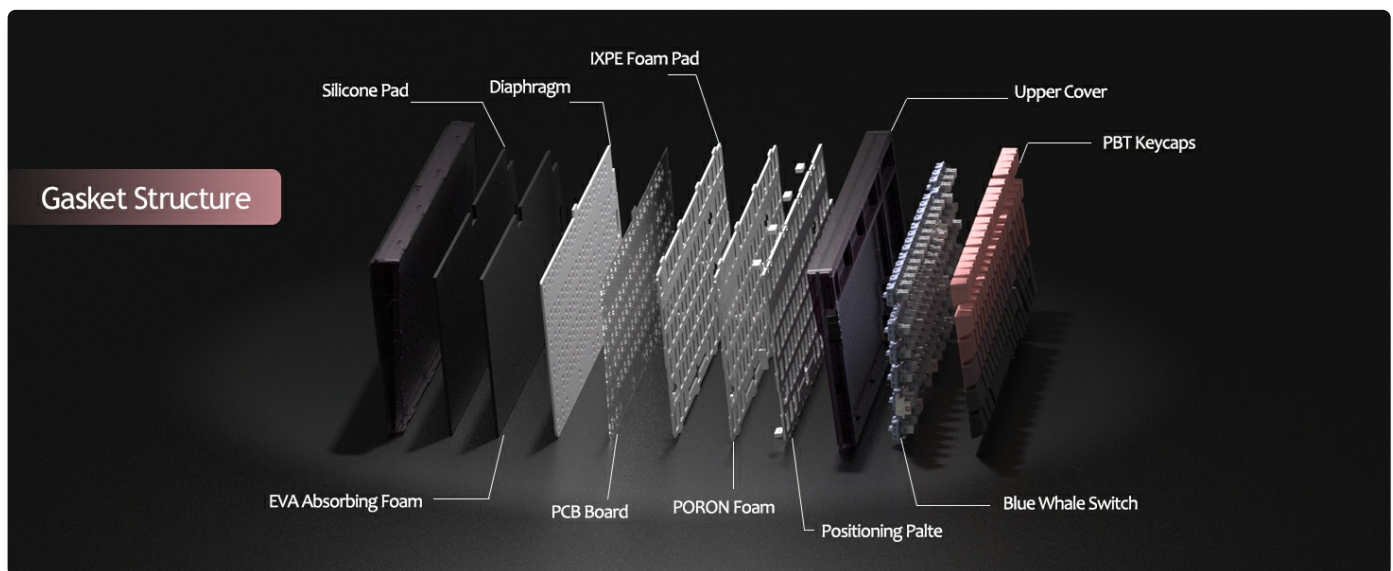


Figure 13: Detailed diagram of the gasket structure, showing how the plate is isolated from the case by gaskets, along with the various foam layers.

#### 4.4 PBT Keycaps

The keyboard is equipped with durable PBT keycaps, known for their resistance to shine and wear over time. The legends are side-printed for a clean top surface aesthetic.



# 16.8 Million Dynamic RGB Backlight

**Fn** + **Enter** = light effect switching

**Fn** + **↑** / **↓** = adjust light brightness

**Fn** + **←** / **→** = light color switching

**Fn** + **=+** / **-\_** = adjust light speed



Figure 14: Close-up view of the keyboard's side-printed PBT keycaps.

## 4.5 Layout and Compatibility

The LIGHT87 features a compact 80% (TKL) layout with 87 keys, saving desktop space while retaining essential function and arrow keys. It supports both Windows and Mac operating systems, and all 87 keys feature 100% anti-ghosting for accurate input during intense gaming or typing sessions.

# Creative 80% Compact 87 Keys Layout

portable design keeps function keys and control keys  
while saving space, featuring compact with more practicality.

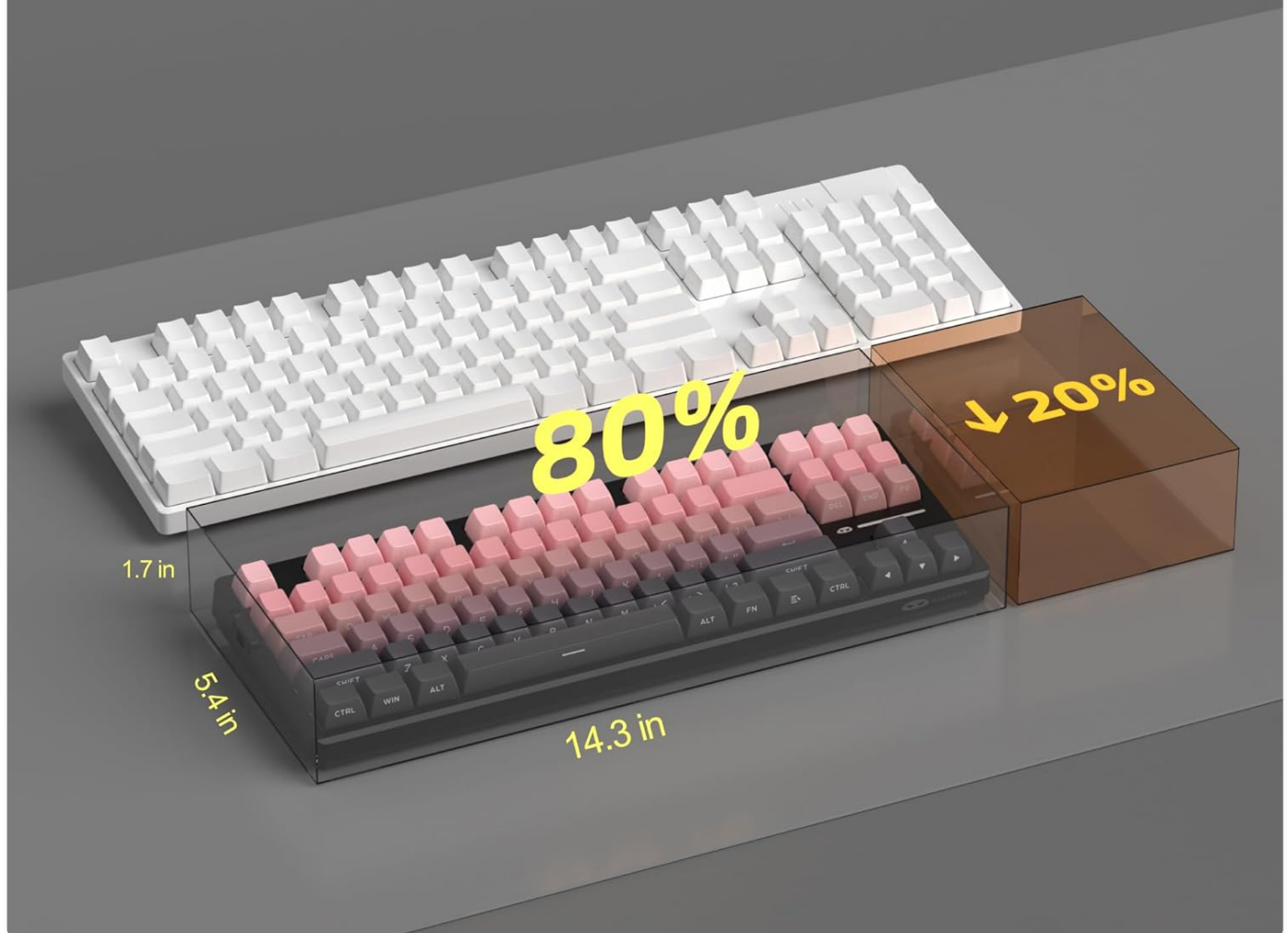


Figure 15: Comparison illustrating the compact 80% layout of the LIGHT87 keyboard compared to a full-size keyboard, highlighting space savings.



Figure 16: The MageGee LIGHT87 keyboard integrated into a desktop setup, demonstrating its use with a computer and monitor.

## 5. Maintenance

### 5.1 Cleaning the Keyboard

To maintain the performance and appearance of your keyboard, regular cleaning is recommended.

- Disconnect the keyboard from your computer before cleaning.
- Use a soft brush or compressed air to remove dust and debris from between the keycaps.
- For stubborn dirt, you can carefully remove keycaps using the provided keycap puller and clean the surface underneath with a slightly damp, lint-free cloth. Ensure the cloth is not dripping wet.
- Wipe the keycaps and keyboard surface with a dry, soft cloth.
- Do not use harsh chemicals, abrasive cleaners, or immerse the keyboard in liquid.





Figure 17: Image showing keycaps being removed from the keyboard, useful for cleaning or switch replacement.

## 5.2 Adjusting Keyboard Angle

The keyboard features adjustable feet to customize your typing angle for ergonomic comfort.



Figure 18: Image demonstrating the adjustable feet on the underside of the keyboard for tilt customization.



Figure 19: Side profile of the keyboard illustrating its ergonomic keycap profile for comfortable typing.

## 6. Troubleshooting

Problem	Possible Cause	Solution
Keyboard not responding in wired mode.	Loose cable connection, incorrect mode selected, faulty USB port.	Ensure USB-C cable is securely connected. Check if the keyboard switch is set to "2" (wired mode). Try a different USB port on your computer.
2.4GHz wireless not connecting.	USB receiver not plugged in, incorrect mode, low battery.	Ensure the 2.4GHz USB receiver is plugged in. Set the keyboard switch to "wifi" icon and press <b>Fn + 4</b> . Charge the keyboard.

Problem	Possible Cause	Solution
Bluetooth pairing failed or connection unstable.	Incorrect pairing procedure, interference, device Bluetooth issues, low battery.	Ensure keyboard switch is set to "BT". Press and hold <b>Fn + 1/2/3</b> to re-enter pairing mode. Forget the device on your computer/device and re-pair. Move closer to the device. Charge the keyboard. Restart your device's Bluetooth.
Backlight not working or stuck.	Backlight turned off, low battery, software glitch.	Press <b>Fn + ↑</b> to increase brightness. Charge the keyboard. Try cycling through backlight modes with <b>Fn + Enter</b> .
Certain keys not responding.	Loose or faulty switch, debris under keycap.	Remove the keycap and check for debris. If hot-swappable, try reseating the switch or replacing it with a known working switch.



## 7. Specifications

Feature	Detail
Model	LIGHT87
Brand	MageGee
Connectivity	2.4GHz Wireless, Bluetooth 5.0, USB-C Wired
Layout	87-key (80% TKL)
Switches	Hot-swappable (3-pin/5-pin compatible), Blue Whale Linear Switches
Keycaps	Side-printed PBT
Backlight	16.8 Million RGB
Battery Capacity	8000mAh
Battery Life (RGB ON)	Approx. 53 hours
Battery Life (RGB OFF)	Approx. 400 hours
Compatible Devices	PC, Laptop, Tablet, Smartphone, Gaming Console
Operating System Support	Windows, macOS
Anti-Ghosting	All 87 keys
Dimensions (Package)	15.91 x 7.17 x 2.6 inches
Item Weight	2.72 pounds

## 8. Warranty and Support

MageGee products are designed for reliability and performance. For warranty information and customer support, please refer to the official MageGee website or contact the seller directly through your purchase platform. You can visit the official MageGee store on Amazon for more information and product updates[MageGee Amazon Store](#)

## Related Documents - LIGHT87

 <p>MAGEGEE Captain87 Mechanical Keyboard User Manual • Uživatelský manuál • Käyttöohjeiden käsikirja • Руководство пользователя</p>	<p><a href="#">MAGEGEE Captain87 Mechanical Keyboard User Manual</a></p> <p>User manual for the MAGEGEE Captain87 Mechanical Keyboard, detailing specifications, features, multimedia keys, combination key instructions, driver installation, and warranty information.</p>
 <p>MAGEGEE Captain72 Mechanical Keyboard User Manual • Uživatelský manuál • Käyttöohjeiden käsikirja • Руководство пользователя</p>	<p><a href="#">MAGEGEE Captain72 Mechanical Keyboard User Manual</a></p> <p>Official user manual for the MAGEGEE Captain72 mechanical keyboard, detailing specifications, features, multimedia key functions, driver installation, warranty information, and EU compliance.</p>
	<p><a href="#">MAGEGEE SKY 81 Wireless Mechanical Keyboard User Guide</a></p> <p>Comprehensive user guide for the MAGEGEE SKY 81 Wireless Mechanical Keyboard, covering features, key combinations, connectivity, knob functions, specifications, and FCC compliance.</p>
	<p><a href="#">MageGee SKY87 Mechanical Keyboard User Guide and Warranty</a></p> <p>Comprehensive user guide for the MageGee SKY87 Mechanical Keyboard, detailing its features, multi-function keys, lighting effects, and warranty information. Includes product specifications and troubleshooting tips.</p>
	<p><a href="#">MageGee MK-BOX Mechanical Keyboard User Guide</a></p> <p>A comprehensive user guide for the MageGee MK-BOX Mechanical Keyboard, detailing its features, specifications, and combination key instructions. Includes information on magnetic switches, hot-swappable capabilities, RGB lighting, and driver usage.</p>
	<p><a href="#">Magegee G-Tanker Wireless Gaming Headset User Guide</a></p> <p>Official user guide for the Magegee G-Tanker Wireless Gaming Headset, featuring Bluetooth 5.3, 50mm drivers, and detailed operation, maintenance, and specifications. Includes FCC compliance information.</p>