

FL ESPORTS CMK98

CMK98 Wireless Mechanical Keyboard User Manual

Model: CMK98 | Brand: FL ESPORTS

1. PRODUCT OVERVIEW

The FL ESPORTS CMK98 is a versatile 99-key wireless mechanical keyboard designed for both Mac and Windows systems. It features a compact full-size layout with a number pad, offering enhanced productivity and a comfortable typing experience. This keyboard supports multiple connection methods and boasts a durable gasket structure.



Figure 1: CMK98 Wireless Mechanical Keyboard (Blue Red color variant)

2. KEY FEATURES

- **Tri-Mode Connectivity:** Supports Bluetooth 5.0, 2.4GHz wireless, and USB-C wired connections for versatile use across multiple devices.
- **Hot-Swappable Switches:** Allows easy replacement of 3-pin/5-pin switches without soldering, enabling customization of typing feel. Comes with pre-lubed linear switches.
- **Gasket Structure:** Features an extended integrated silicone pad and PCB single key slotting for improved resilience, stability, and a softer, more elastic feel. Includes five layers of filling silencer to reduce cavity noise.

- **RGB Backlighting:** 1.68 million RGB backlit keys with various lighting effects to enhance the gaming atmosphere.
- **Long-Lasting Battery:** Built-in 4000mAh battery provides extended usage (up to 260 hours with backlight off, 35 hours with backlight on).
- **Programmable Macros & PBT Keycaps:** All keys support macro customization via driver software. Features N-key rollover for simultaneous key presses. Durable double-shot PBT keycaps ensure character longevity.
- **Compatibility:** Designed for both Windows and Mac operating systems.



Figure 2: Overview of CMK98 key features including Gasket Structure, Hot-Swap, RGB, and Battery.

3. SETUP

3.1 Package Contents

Before setup, ensure all items are present:

- CMK98 Wireless Mechanical Keyboard

- USB-C Cable
- Keycap Puller
- Switch Puller
- 2.4GHz USB Receiver (located in the keyboard's storage slot)
- User Manual (this document)

3.2 Connecting the Keyboard

The CMK98 keyboard offers three connection modes: Bluetooth, 2.4GHz wireless, and USB-C wired.

3.2.1 2.4GHz Wireless Mode

1. Locate the 2.4GHz USB receiver stored in the dedicated slot on the underside of the keyboard.
2. Plug the 2.4GHz USB receiver into an available USB port on your computer.
3. On the keyboard's side, slide the mode switch to the 2.4GHz wireless icon position. The keyboard will automatically connect.



Ultra Long-Lasting Battery Life
Rechargeable keyboard built-in 4000mAh large capacity battery to provide more power and longer battery life

4000mAh

Endurance Test	
Backlit-off	260 hrs
Backlit-on	35 hrs

Figure 3: Illustration of Bluetooth, USB-C Wired, and 2.4G Wireless connection options.



Figure 4: Close-up of the 2.4GHz USB receiver storage slot on the keyboard's underside.

3.2.2 Bluetooth Mode

1. On the keyboard's side, slide the mode switch to the Bluetooth icon position.
2. The keyboard's indicator light will flash, indicating it is in pairing mode.
3. On your device (computer, tablet, or smartphone), go to Bluetooth settings and search for "CMK98" or similar.
4. Select the keyboard to pair. Once connected, the indicator light will become solid.
5. To switch between paired Bluetooth devices, use the FN + key combination (e.g., FN + 1, FN + 2, FN + 3 for different profiles).

Your browser does not support the video tag.

Video 1: Demonstrates the multi-mode connection of the CMK98 keyboard, including switching to Bluetooth mode. This video is provided by the seller and shows relevant product features.

3.2.3 USB-C Wired Mode

1. Connect one end of the provided USB-C cable to the keyboard's USB-C port.
2. Connect the other end of the USB-C cable to an available USB port on your computer.
3. On the keyboard's side, slide the mode switch to the wired (USB-C) icon position. The keyboard will be ready for use.

3.3 Operating System Switch

The CMK98 keyboard has a dedicated switch on its underside to toggle between Mac and Windows compatibility modes.

1. Locate the "MAC/WIN" switch on the bottom of the keyboard.
2. Slide the switch to the appropriate operating system (MAC or WIN) for optimal key mapping and functionality.



Figure 5: Close-up of the Mac/Win compatibility switch on the keyboard's underside.

4. OPERATING INSTRUCTIONS

4.1 Basic Keyboard Functions

The CMK98 functions as a standard 99-key keyboard with a full number pad. All keys perform their labeled functions by default.

4.2 RGB Backlighting Control

The keyboard features customizable RGB backlighting. Use the following key combinations to adjust lighting effects:

- **FN + \ |**: Cycle through different lighting modes.
- **FN + ↑ / ↓**: Adjust backlight brightness.
- **FN + ← / →**: Adjust lighting speed/direction.
- **FN + Del**: Change backlight color (for static modes).



Figure 6: The CMK98 keyboard showcasing its vibrant RGB backlighting.

4.3 Macro Programming and Customization

The CMK98 supports macro customization and key function remapping through its dedicated driver software. This software allows for advanced personalization of your keyboard experience.

- Download the official driver software from the FL ESPORTS website.
- Install the software on your computer.
- Follow the on-screen instructions within the software to create macros, remap keys, and set custom lighting effects.



Figure 7: Screenshot of the CMK98's professional software interface for customization.

4.4 Battery Status Check

To check the battery level in Bluetooth mode, press **FN + Backspace**. The keyboard's indicator lights will illuminate to show the remaining charge.



Figure 8: Visual representation of the CMK98's 4000mAh battery and estimated usage times.

5. MAINTENANCE

5.1 Cleaning the Keyboard

- Disconnect the keyboard from all power sources and devices before cleaning.
- Use a soft, lint-free cloth slightly dampened with water or a mild cleaning solution to wipe the keycaps and chassis.
- For deeper cleaning, use the provided keycap puller to remove keycaps and a can of compressed air to clear debris from underneath.
- Do not immerse the keyboard in water or use harsh chemicals.

5.2 Replacing Switches and Keycaps

The CMK98 features hot-swappable switches, allowing for easy replacement without soldering.

1. Using the keycap puller, gently pull up on the keycap you wish to remove until it detaches from the switch stem.

- 2. Using the switch puller, align the prongs with the two clips on the top and bottom of the switch. Squeeze the clips and gently pull the switch straight up to remove it from the PCB.
- 3. To install a new switch, align its pins with the holes on the PCB. Press down firmly until the switch clicks into place. Ensure pins are straight to avoid bending.
- 4. Place the desired keycap onto the new switch stem and press down until it is securely seated.



Figure 9: Close-up view of the CMK98's hot-swappable switches and included tools for replacement.

Your browser does not support the video tag.

Video 2: Demonstrates the process of replacing switches on the CMK98 keyboard, highlighting its hot-swappable feature. This video is provided by the seller and shows relevant product features.

6. TROUBLESHOOTING

Problem	Possible Cause	Solution
Keyboard not responding in wireless mode.	Low battery, incorrect mode selected, receiver not plugged in (2.4GHz), not paired (Bluetooth).	Charge the keyboard. Ensure the mode switch is set correctly. Re-plug the 2.4GHz receiver or re-pair Bluetooth.
Keys not registering or double-typing.	Loose or faulty switch, debris under keycap.	Remove keycap and switch, clean the area, and re-seat or replace the switch.
RGB lighting not working.	Lighting turned off, low battery, software issue.	Check lighting controls (FN + keys). Charge the keyboard. Reinstall driver software if necessary.
Keyboard not recognized by Mac/Windows.	Incorrect OS switch setting.	Ensure the MAC/WIN switch on the underside of the keyboard is set to the correct operating system.

7. SPECIFICATIONS

Feature	Detail
Model	CMK98
Layout	99-Key (96% Compact Full-Size with Number Pad)
Connectivity	Bluetooth 5.0, 2.4GHz Wireless, USB-C Wired
Switches	Hot-Swappable (3-pin/5-pin compatible), Pre-lubed Linear Switches (Kailh Box Red)

Feature	Detail
Keycaps	Double-shot PBT
Structure	Gasket Mount with Silicone Pad and PCB Single Key Slotting
Backlighting	RGB (1.68 million colors)
Battery Capacity	4000mAh Lithium Polymer
Battery Life (Approx.)	260 hours (backlight off), 35 hours (backlight on)
Compatibility	Windows, Mac
Item Weight	4.38 pounds (approx. 1.99 kg)
Dimensions	17.09 x 8.19 x 2.32 inches

8. WARRANTY AND SUPPORT

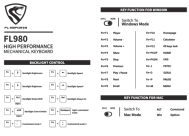

For warranty information, technical support, and driver downloads, please visit the official FL ESPORTS website or contact their customer service directly.





FL ESPORTS Official Store: [Visit Store](#)

Please retain your proof of purchase for any warranty claims.



Related Documents - CMK98

	<p>FL980 High Performance Mechanical Keyboard: Key Functions and Backlight Control</p> <p>Detailed guide to the key functions and backlight controls for the FL ESPORTS FL980 High Performance Mechanical Keyboard, including Windows and Mac modes.</p>
	<p>FL CMMI Keyboard MK870 User Guide</p> <p>Explore the features and functionalities of the FL CMMI Keyboard MK870 with this comprehensive user guide. Learn about WIN mode, key combinations, and software customization.</p>

	<p>FL ESPORTS MK750 Mechanical Keyboard User Manual</p> <p>User manual for the FL ESPORTS MK750 Mechanical Keyboard, detailing features, functions, and specifications for both Windows/Android and iOS/MAC systems.</p>
	<p>FL ESPORTS GEO75HE Mechanical Keyboard FN Key Combinations and Features</p> <p>Detailed guide to the FN key combinations, system controls, and features of the FL ESPORTS GEO75HE Magnetic Axis Mechanical Keyboard. Learn about backlight settings, system functions, product specifications, and troubleshooting tips.</p>
	<p>FL ESPORTS K212/F12 RGB Three-Mode Mechanical Keyboard User Manual</p> <p>User manual for the FL ESPORTS K212/F12 RGB mechanical keyboard, detailing its wired, Bluetooth 5.0/3.0, and 2.4Ghz wireless connectivity, RGB backlighting, and key functions.</p>
	<p>K210_FLCMMK_MK870 User Manual - FCC Version</p> <p>User manual for the K210_FLCMMK_MK870 mechanical keyboard, detailing its features, functions, connectivity modes (2.4G, Wired, Bluetooth), and software customization. Includes FCC compliance information.</p>