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FL ESPORTS FL F12

FL ESPORTS F12 65% Three-Mode Wireless Mechanical Keyboard User Manual

Model: FL F12

INTRODUCTION

This manual provides comprehensive instructions for the setup, operation, and maintenance of your FL ESPORTS F12 65% Three-Mode Wireless Mechanical Keyboard. Please read this manual thoroughly before using the product to ensure optimal performance and longevity.

WHAT'S IN THE BOX

- FL ESPORTS F12 Mechanical Keyboard
- USB Cable
- Keycap Puller
- User Manual (this document)

KEY FEATURES

- **65% Compact Form Factor:** 68 keys layout for maximized desktop space utilization.
- **Three-Mode Connectivity:** Supports Bluetooth 5.0, 2.4Ghz wireless, and USB-C wired connections.
- **Kailh Box White Switches:** Light tactile, clicky switches for precise and fast inputs.
- **Durable PBT Keycaps:** Oil-resistant, doubleshot PBT keycaps in mixed colors for longevity and aesthetic appeal.
- **Long-lasting Battery:** Up to 100 hours without backlight, 20 hours with RGB backlight. Real-time battery monitoring available.
- **RGB Backlighting:** 16.8 million colors with 10 different lighting modes.
- **Advanced Customization Software:** Allows for extensive customization of lighting and key assignments.
- **Hot-Swappable Switches:** Supports 5-pin switches for easy DIY customization.
- **Noise Absorber Foam:** Innovative design for reduced noise and clear clicky sound.



Image: The FL ESPORTS F12 mechanical keyboard showcasing its compact 65% layout and vibrant RGB backlighting.

2.4 GHz / Bluetooth
Dual Wireless

For A Smarter Working Way

For A No-worries Gaming Vibe

Detachable USB-C Wired

Image: The FL ESPORTS F12 keyboard highlighting its 2.4 GHz wireless, Bluetooth, and detachable USB-C wired connectivity options.

65% Compact Layout
Innovative 68 Keys, Dedicated for Simplicity

 **68 KEYS**

 **More Space for Your Mouse**

 **- Less Mess at Your Desktop**

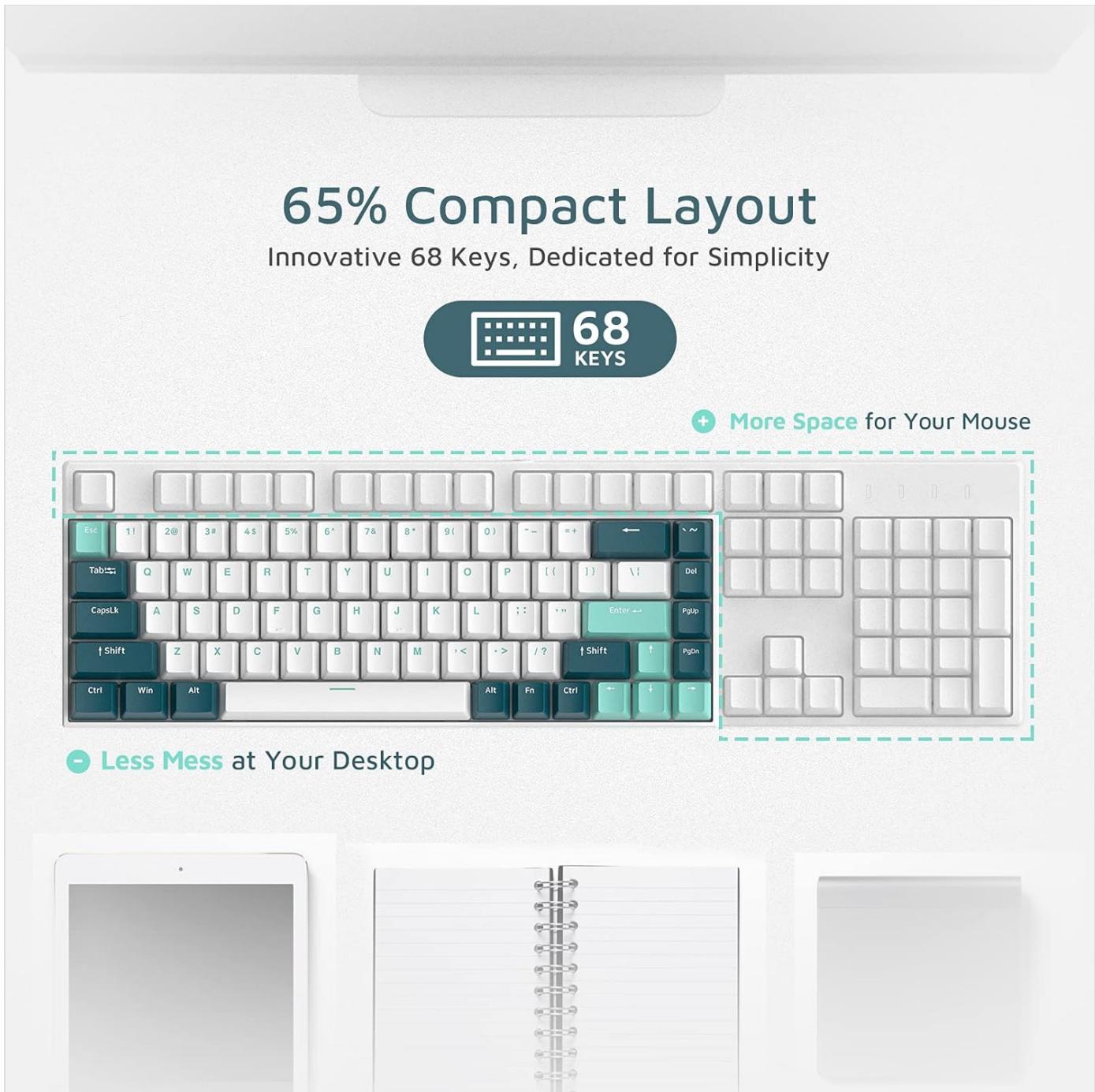
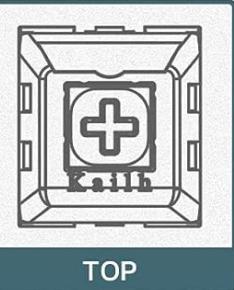
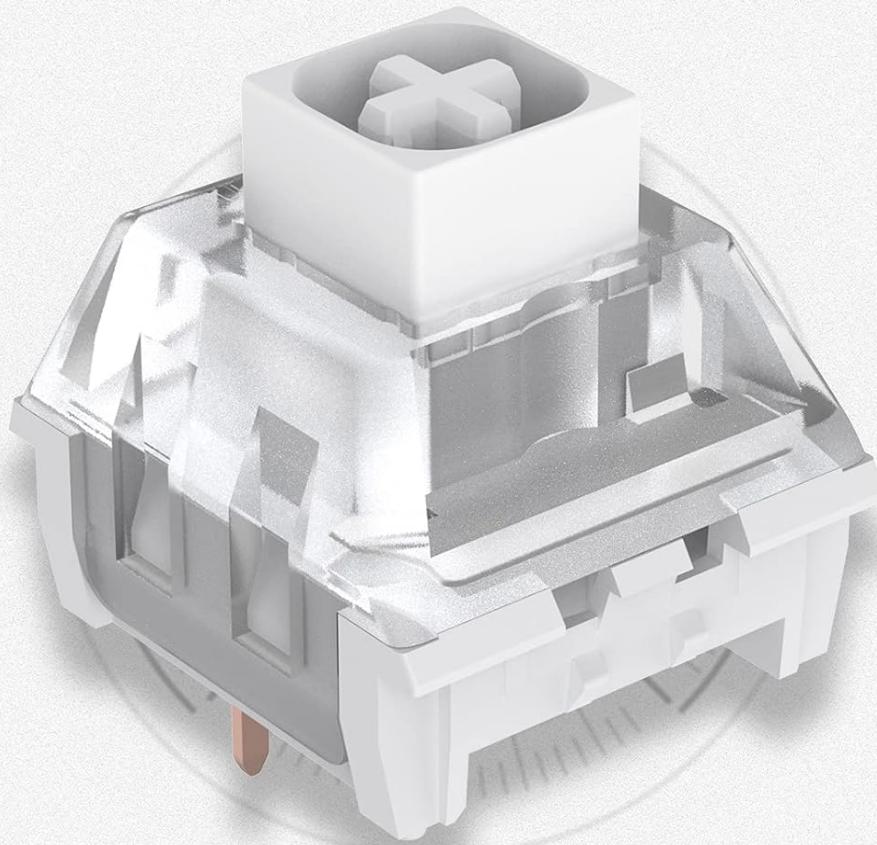


Image: A visual comparison demonstrating the space-saving advantage of the 65% compact layout (68 keys) of the FL ESPORTS F12 keyboard compared to a full-size keyboard.

Kailh Box White Switch

Hot-Swap Clearer Clicky Tactile Switch



TOP



FRONT



LEFT

55^g Operation Force

1.8^{mm} Actuation Travel

80 M Click Lifespan

Image: Detailed view of a Kailh Box White Switch, illustrating its internal structure and providing specifications such as 55g operation force, 1.8mm actuation travel, and 80 million click lifespan.

Mixed-Color Oil-resistant PBT Keycaps

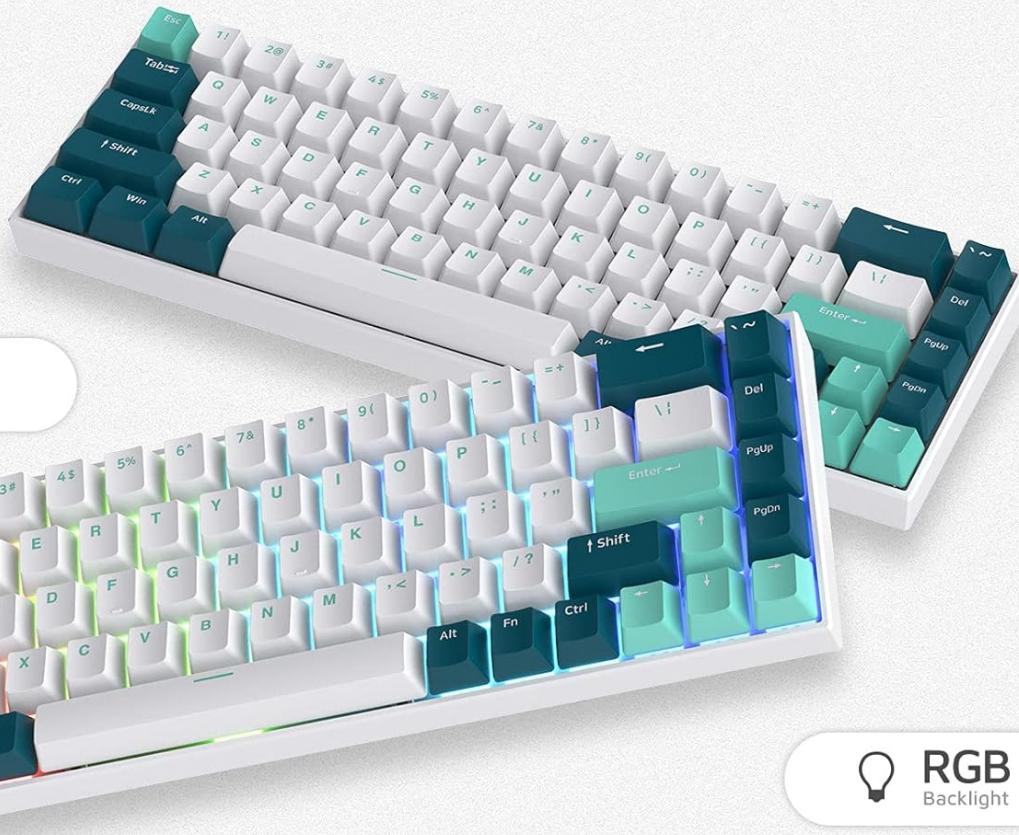
Better at Both Looking & Typing



Image: A close-up shot of the mixed-color, oil-resistant PBT keycaps on the FL ESPORTS F12 keyboard, highlighting their durable textured finish.

Durable 2000 mAh Battery Capacity

Up to 500 Hours of Standby Time



RGB
Backlight

RGB
Backlight

100 hrs
RGB Backlight OFF

20 hrs
RGB Backlight ON

Image: Information regarding the 2000 mAh battery capacity of the FL ESPORTS F12 keyboard, showing up to 100 hours duration with RGB backlight off and 20 hours with RGB backlight on.

SETUP AND CONNECTION

Wired Connection (USB-C)

To use the keyboard in wired mode, connect the provided USB-C cable to the keyboard's USB-C port and the other end to an available USB port on your computer. The keyboard will be automatically recognized and ready for use. The keyboard will also charge in this mode.

2.4Ghz Wireless Connection

1. Locate the 2.4Ghz USB dongle, usually stored in a compartment on the keyboard.
2. Plug the USB dongle into an available USB port on your device.
3. Slide the switch at the back of the keyboard to the right (2.4Ghz mode).
4. If the keyboard is not connected automatically, long-press **FN + R** to remap the connection.

Bluetooth Connection

The keyboard supports connecting to up to three Bluetooth devices.

1. Slide the switch at the back of the keyboard to the left (Bluetooth mode).
2. Long-press **FN + Q**, **FN + W**, or **FN + E** (choose one for each device you want to save).
3. The ESC key's white backlight will flash 3 times per second, indicating the keyboard is in pairing mode.
4. On your device (laptop, tablet, phone), search for Bluetooth devices and select "BT5.0 KB" or "BT3.0 Keyboard" to connect.
5. To switch between saved Bluetooth devices, short-press **FN + Q**, **FN + W**, or **FN + E** corresponding to the desired device.



Image: Diagram illustrating how the FL ESPORTS F12 keyboard can store and switch between three Bluetooth devices using FN + Q/W/E combinations.

OPERATING INSTRUCTIONS

Battery Monitoring

To check the battery capacity in real-time, press **FN + Backspace**. The number row keys will illuminate to indicate the approximate battery percentage. In wireless mode, the Backspace key will flash blue once per second while charging and turn off when fully charged.



Image: Visual representation of the battery level indicator on the FL ESPORTS F12 keyboard, showing how the number row lights up to display charge status when FN + Backspace is pressed.

Function Key Combinations

The FL ESPORTS F12 keyboard utilizes the **FN** key for accessing secondary functions printed on the keycaps. Some common combinations include:

- **FN + I:** Print Screen (PrtSc)
- **FN + O:** Scroll Lock (ScrLk)
- **FN + P:** Pause Break (Pause)
- **FN + J:** Insert (Ins)
- **FN + K:** Home
- **FN + L:** End
- **FN + Right Alt (APP key):** Functions as the right mouse button.
- **FN + ESC:** Restores keyboard to default settings.

Practical Arrow Keys + Function Keys

Easy-access Secondary Function Combo Keys



Image: A visual guide to practical arrow keys and function key combinations on the FL ESPORTS F12 keyboard, showing FN key pairings for various secondary functions.

RGB Backlight Customization

The keyboard features 16.8 million colors and 10 different styled modes. For advanced customization and key assignment, download the official software/driver from the manufacturer's website. The software allows for near-infinite personalization of lighting effects and macros.

Software/Driver download: bit.ly/FLSOFTWARE (F12 RGB Three mode keyboard Driver V1.0.5)



Image: Screenshot of the FL ESPORTS keyboard customization software interface, demonstrating options for lighting control and key remapping.

MAINTENANCE AND CARE

- **Cleaning:** Use a soft, dry cloth to wipe the keyboard surface. For deeper cleaning, use a can of compressed air to remove dust and debris from between the keycaps.
- **Keycap Removal:** Use the provided keycap puller to carefully remove keycaps for cleaning or switch replacement. Pull straight up to avoid damaging the switch stem.
- **Switch Replacement:** The keyboard supports hot-swappable 5-pin switches. Use a switch puller (not included, but often comes with replacement switches) to remove switches. Align new switches carefully before pressing them into place.
- **Storage:** Store the keyboard in a cool, dry place away from direct sunlight and extreme temperatures.
- **Liquid Exposure:** Avoid exposing the keyboard to liquids. In case of accidental spills, immediately disconnect the keyboard and allow it to dry completely before reconnecting.



Image: A close-up view of the keyboard's stabilizers, which help ensure consistent key presses, particularly for larger keys like the spacebar.



Image: A detailed view of the hot-swappable switch sockets on the keyboard, showing how switches can be easily removed and replaced without soldering.

TROUBLESHOOTING

Keyboard Not Responding / Connection Issues

- **Wired Mode:** Ensure the USB-C cable is securely connected to both the keyboard and the computer. Try a different USB port or cable.
- **2.4Ghz Mode:** Ensure the USB dongle is properly inserted and the keyboard switch is set to 2.4Ghz mode. Try re-pairing by long-pressing **FN + R**. Ensure the dongle is not too far from the keyboard.
- **Bluetooth Mode:** Ensure the keyboard switch is set to Bluetooth mode. Check your device's Bluetooth settings to ensure it's enabled and the keyboard is paired. If issues persist, unpair the keyboard from your device and re-pair it using **FN + Q/W/E**.
- **Battery:** Check the battery level (**FN + Backspace**) and charge the keyboard if the battery is low.

Keys Not Registering or Malfunctioning

- **Individual Keys:** If a specific key is not working, carefully remove the keycap using the keycap puller. Inspect the switch for any visible damage or debris. If the switch is damaged, it may need to be replaced (hot-swappable design allows for this).
- **Spacebar Wobble:** Ensure the spacebar keycap is properly seated on both the switch and the stabilizers. If the issue persists, the stabilizer might be misaligned or damaged.
- **CapsLock Key Function (macOS):** Some users have reported issues with the CapsLock key on macOS. Ensure your keyboard firmware and software are up to date. If the issue persists, consider remapping the key using the customization software if possible.

RGB Backlight Issues

- Ensure the backlight is enabled.
- Use the customization software to check and adjust lighting modes and brightness.
- Perform a factory reset by pressing **FN + ESC**.

SPECIFICATIONS

Feature	Detail
Model Number	FL F12
Dimensions (L x W x H)	11.81" x 3.94" x 2.56" (30 x 10 x 6.5 cm)

Item Weight	1.87 pounds (0.85 kg)
Connectivity	Bluetooth 5.0, 2.4Ghz Wireless, USB-C Wired
Switch Type	Kailh Box White (Light Tactile, Clicky)
Keycap Material	Doubleshot PBT
Battery Capacity	2000 mAh Lithium Polymer
Battery Life	Up to 100 hours (backlight off), 20 hours (RGB backlight on)
Backlighting	RGB (16.8 million colors, 10 modes)
Compatible Devices	Laptop, PC, Tablet
Manufacturer	FL ESPORTS
First Available Date	August 2, 2021

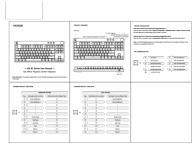
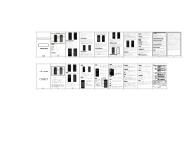
WARRANTY AND SUPPORT

For detailed warranty information, please refer to the official FL ESPORTS website or contact their customer support directly. A digital version of this user manual is available for download: [User Manual \(PDF\)](#)

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Related Documents - FL F12

	<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>F12 (68keys) 2.4G/Wired/Bluetooth Mechanical Keyboard User Guide</p> <p>Comprehensive guide for the F12 68-key mechanical keyboard, covering 2.4G, wired, and Bluetooth connectivity, RGB backlighting, and key functions.</p>
	<p>FL-ESPORTS OG87 3-Mode Keyboard User Manual</p> <p>Comprehensive user guide for the FL-ESPORTS OG87 3-mode keyboard, covering 2.4G wireless, Bluetooth, and wired connectivity, FN key combinations, indicator lights, and product specifications.</p>

	<p>MCHOSE Mix 87 Series Hall Effect Magnetic Switch Keyboard User Manual</p> <p>User manual for the MCHOSE Mix 87 Series Hall Effect Magnetic Switch Keyboard, detailing product overview, driver installation, and combination key functions for Windows and Mac systems.</p>
	<p>Drop ENTR Keyboard Quick Start Guide</p> <p>Quick start guide for the Drop ENTR keyboard, detailing initial setup and hotkey functions for system control and media playback.</p>
	<p>Shenzhen Aura Pioneer F12 Handheld Translator User Manual</p> <p>Comprehensive user guide for the Shenzhen Aura Pioneer F12 handheld translator, detailing its features like online/offline translation, photo translation, group chat, simultaneous interpretation, and SOS functions.</p>