FANTECH MAXFIT61 Frost Wireless (MK857)

FANTECH MAXFIT61 Frost Wireless Mechanical Keyboard User Manual

Model: MAXFIT61 Frost Wireless (MK857)

INTRODUCTION

Thank you for choosing the FANTECH MAXFIT61 Frost Wireless Mechanical Keyboard. This compact 61-key keyboard offers versatile connectivity options, customizable RGB lighting, and hot-swappable switches for a personalized typing and gaming experience. This manual provides detailed instructions for setup, operation, maintenance, and troubleshooting to ensure optimal performance.

Image: The FANTECH MAXFIT61 Frost Wireless Mechanical Keyboard, showcasing its 5-pin hot-swappable design, 3 connection modes (Bluetooth, 2.4GHz, USB-C), RGB lighting, and switch options (Red and Blue).

SETUP

What's in the Box

- FANTECH MAXFIT61 Frost Wireless Mechanical Keyboard
- Keycap Puller
- Switch Puller
- USB Type-C Charging Cable
- USB Receiver (for 2.4GHz wireless connection)
- Instruction Manual

OUTEMU® SWITCH FEATURES:

Switch	Actuation force	Pre-travel	Travel distance	Behavior	Sound level
Red Switch	42±10g	2.1±0.4mm	4.0±0.4mm	Linear	Quiet
Blue Switch	60±10g	2.0±0.4mm	4.0±0.4mm	Clicky	Clicky

WHAT'S IN THE BOX

1. MAXFIT61 FROST WIRELESS
2. Switch puller & Keycap puller
3. Type-C charging cable
4. Instruction manual
5. USB receiver

Image: A visual representation of the items included in the product packaging, such as the keyboard, cables, and tools.

Connectivity Modes

The MAXFIT61 Frost Wireless keyboard supports three connection modes:

1. **Bluetooth 5.0 (BT5.0):** For wireless connection to up to three devices.
2. **2.4GHz Wireless:** Utilizes the included USB receiver for a stable, low-latency wireless connection.
3. **USB Type-C Wired:** Connect directly via the USB-C cable for a wired connection and charging.

To switch between modes, use the dedicated switch on the keyboard or specific key combinations as detailed in the operating instructions.

Image: A visual comparison showing the keyboard operating in wireless (Bluetooth/2.4GHz) mode and wired mode, highlighting the flexibility of connection options.

Image: A close-up view of the detachable USB Type-C cable connected to the keyboard, emphasizing its portability and ease of management.

OPERATING INSTRUCTIONS

Basic Functions

- **Power On/Off:** Use the switch located on the keyboard's side or bottom.
- **Mode Switching:** Refer to the specific key combinations or physical switch for changing between Bluetooth, 2.4GHz, and wired modes.
- **Pairing (Bluetooth):** Activate Bluetooth mode, then search for 'MAXFIT61' on your device and pair.
- **2.4GHz Connection:** Insert the USB receiver into your computer. The keyboard should connect automatically.

Magic FN Key

The 'Fn' key provides access to various multimedia functions, lighting controls, and custom macros. Pressing**Fn + CAPS** allows quick access to multimedia keys, home key, and custom functions.

Image: A close-up of the 'Caps' and 'Shift' keys, indicating the functionality of the 'Magic FN Key' for accessing additional commands.

RGB Lighting Customization

The keyboard features 15 built-in brilliant backlight effects. You can cycle through these effects using specific Fn key combinations. For advanced customization, including per-key RGB lighting, macros, and function key remapping, download and install the FANTECH MAXFIT61 software from the official FANTECH website.

Image: A screenshot of the FANTECH MAXFIT61 software, demonstrating the interface for adjusting RGB lighting modes and creating custom key assignments.

MAINTENANCE

Cleaning

To clean your keyboard, disconnect it from your computer. Use a soft, dry cloth to wipe the surface. For deeper cleaning, you may carefully remove keycaps using the provided keycap puller and use compressed air to clear debris from underneath.

Hot-Swappable Switches

The MAXFIT61 features hot-swappable sockets, allowing you to change switches without soldering. It supports most 5-pin/3-pin mechanical switches from brands like Gateron, Cherry, and Kailh.

1. **Removing Keycaps:** Use the keycap puller to gently lift keycaps straight up.
2. **Removing Switches:** Use the switch puller to grip the top and bottom clips of the switch and pull it straight out.
3. **Installing Switches:** Align the pins of the new switch with the holes on the PCB. Press firmly until the switch clicks into place. Ensure pins are not bent.
4. **Installing Keycaps:** Align the keycap with the switch stem and press down gently.
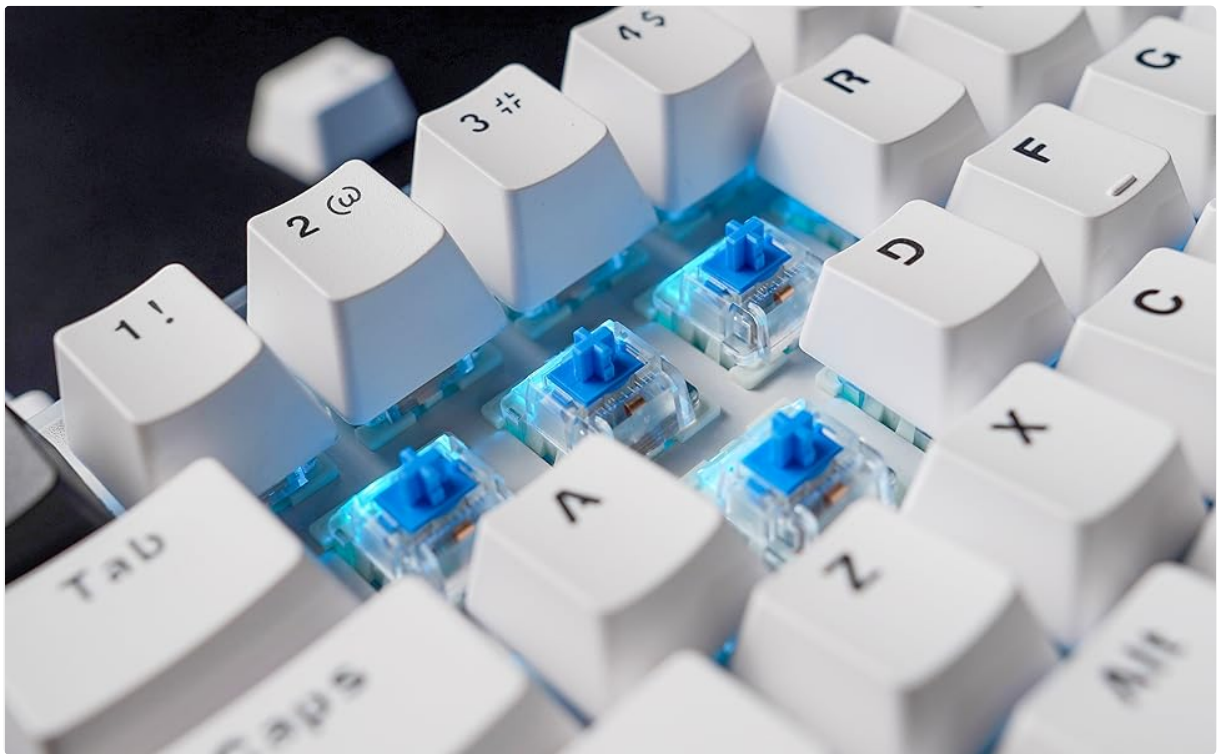
Image: A close-up showing mechanical switches being removed from the keyboard's PCB using a switch puller, demonstrating the hot-swappable feature.

Image: An exploded diagram illustrating the internal components of the keyboard, including keycaps, plate, switches, sound-proofing foam, PCB, and bottom case.

TROUBLESHOOTING

- **Keyboard Not Responding:**

  - Ensure the keyboard is charged or connected via USB-C.
  - Check the connection mode (Bluetooth, 2.4GHz, Wired) and ensure it matches your device.
  - For 2.4GHz, ensure the USB receiver is properly inserted.
  - For Bluetooth, ensure it's paired correctly and your device's Bluetooth is enabled.

- **RGB Lighting Not Working/Incorrect:**

  - Ensure the keyboard is powered on.
  - Cycle through built-in effects using Fn key combinations.
  - If using custom settings, verify them in the FANTECH software.

- **Keys Not Registering:**

  - If a specific key is not working, carefully remove the keycap and switch to check for debris or bent

pins. Reinstall or replace the switch if necessary.

- Ensure the keyboard firmware is up to date (check FANTECH website).

- **Connectivity Issues (Lag/Disconnections):**

  - Reduce distance between keyboard and receiver/device.
  - Avoid interference from other wireless devices.
  - Ensure the keyboard is fully charged.
  - Try a wired connection to rule out wireless issues.

SPECIFICATIONS

Feature	Detail
Product Name	MAXFIT61 FROST WIRELESS MK857
Number of Keys	61 keys
Switch Type	Mechanical (Hot-swappable)
Connectivity Technology	BT5.0, 2.4GHz Wireless, USB Type-C Wired
Anti-Ghosting	All keys
Keyboard Backlighting	RGB
Dimensions (L x W x H)	294mm x 103mm x 42mm (13.5 x 5.63 x 1.85 inches)
Weight	566g (1.37 pounds)
Battery	1 Lithium Polymer battery (included)
Compatible Devices	PC (Windows)

Image: A table outlining the characteristics of Outemu Red and Blue switches, including actuation force, pre-travel, travel distance, behavior, and sound level.

WARRANTY AND SUPPORT

FANTECH products come with a limited warranty. For detailed warranty information, technical support, or service inquiries, please visit the official FANTECH website or contact their customer support directly. Keep your proof of purchase for warranty claims.