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> Thunderrobot ONCE81 Gaming Keyboard FC User Manual

Thunderrobot ONCE81

Thunderrobot ONCE81 Gaming Keyboard FC User Manual

Model: ONCE81

1. INTRODUCTION

Thank you for choosing the Thunderrobot ONCE81 Gaming Keyboard FC. This mechanical keyboard is designed for an enhanced gaming and typing experience, featuring a vibrant RGB backlight, versatile tri-mode connectivity, and hot-swappable switches. This manual provides detailed instructions on how to set up, operate, maintain, and troubleshoot your keyboard to ensure optimal performance.



Image: The Thunderrobot ONCE81 Gaming Keyboard FC, showcasing its full layout and design.

2. WHAT'S IN THE BOX

Please check the contents of your package. If any items are missing or damaged, please contact Thunderrobot support.

- Thunderobot ONCE81 Gaming Keyboard FC
- USB Cable
- User Manual (this document)

3. SETUP AND CONNECTION

The Thunderobot ONCE81 keyboard offers three versatile connection modes: Wired USB, 2.4G Wireless, and Bluetooth. You can switch effortlessly between them as needed.

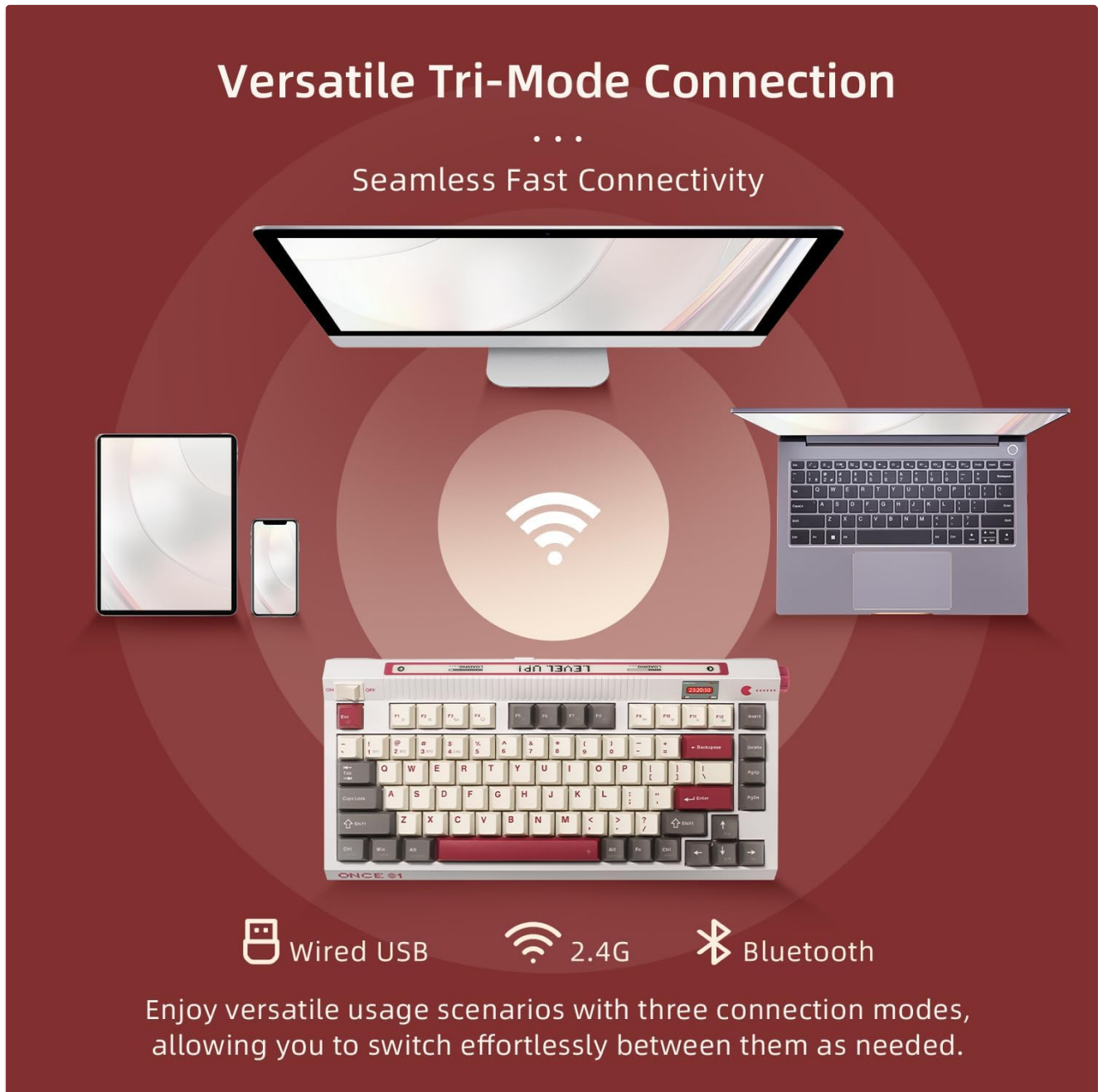


Image: Diagram illustrating the three connection modes: Wired USB, 2.4G Wireless, and Bluetooth, connecting the keyboard to various devices like laptops, PCs, smartphones, and tablets.

3.1. Wired USB Connection

1. Connect the provided USB-C cable to the keyboard's USB-C port.
2. Connect the other end of the USB cable to an available USB port on your computer.
3. The keyboard will be automatically recognized and ready for use.

3.2. 2.4G Wireless Connection

1. Locate the 2.4G USB receiver (usually stored in a compartment on the keyboard).
2. Plug the 2.4G USB receiver into an available USB port on your computer.
3. Ensure the keyboard's mode switch (if present) is set to 2.4G mode.
4. The keyboard should connect automatically.

3.3. Bluetooth Connection

The keyboard supports connecting to up to 5 devices via Bluetooth.

1. Ensure the keyboard's mode switch is set to Bluetooth mode.
2. On your device (computer, smartphone, tablet), go to Bluetooth settings and turn Bluetooth on.
3. On the keyboard, press and hold **Fn + BT1** (or BT2, BT3, BT4, BT5) for 3-5 seconds until the indicator light flashes rapidly, indicating pairing mode.
4. On your device, select "Thunderobot ONCE81" from the list of available Bluetooth devices.
5. Once paired, the indicator light on the keyboard will stop flashing.
6. To switch between paired Bluetooth devices, simply press **Fn + BT1/BT2/BT3/BT4/BT5**.

4. OPERATING YOUR KEYBOARD

The Thunderobot ONCE81 keyboard is equipped with various features to enhance your user experience.

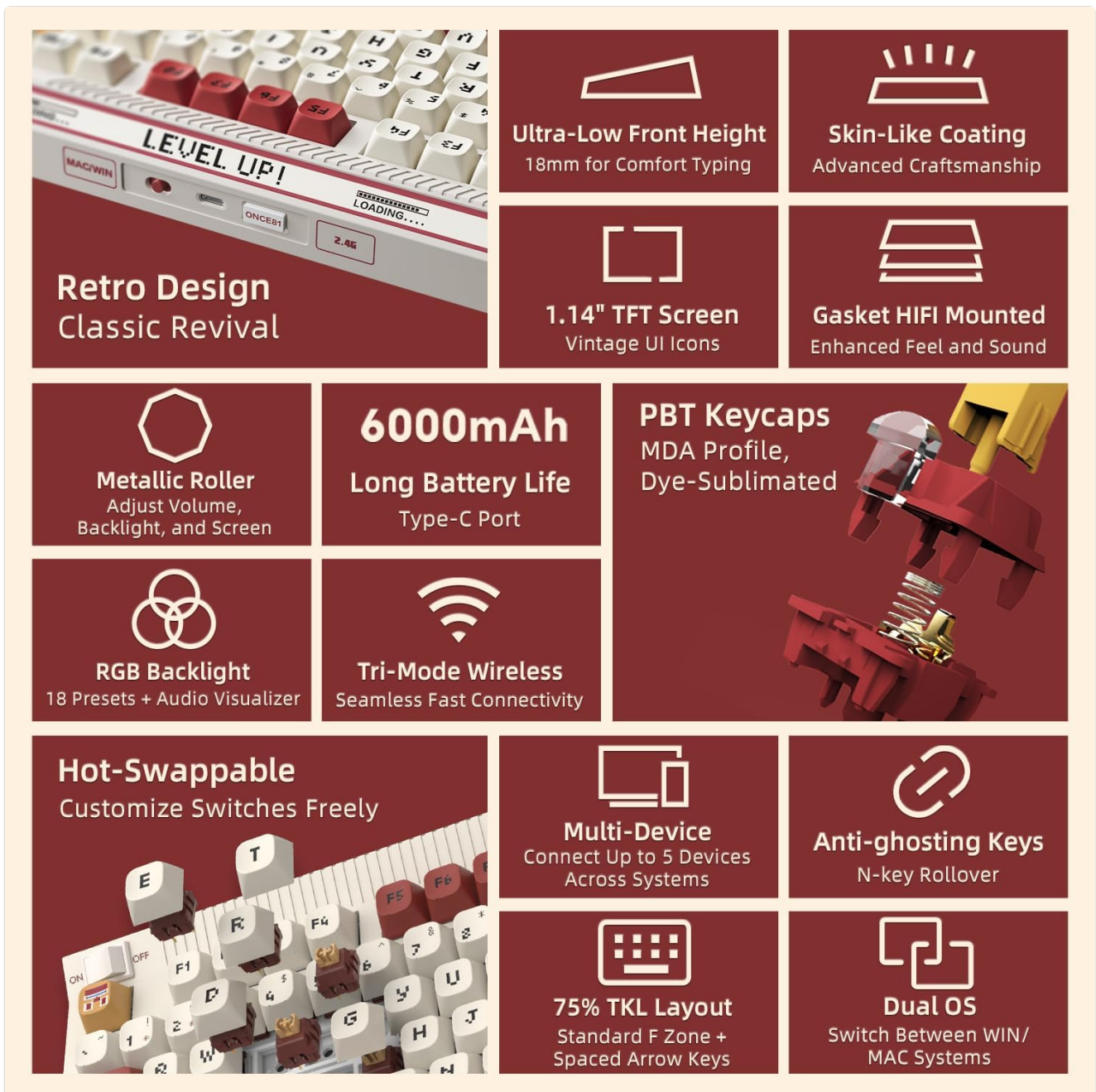


Image: An infographic detailing various features of the Thunderrobot ONCE81 keyboard, including Retro Design, Ultra-Low Front Height, Skin-Like Coating, 1.14" TFT Screen, Gasket HIFI Mounted, Metallic Roller, 6000mAh Battery, RGB Backlight, Tri-Mode Wireless, Hot-Swappable, Multi-Device, Anti-ghosting Keys, 75% TKL Layout, and Dual OS support.

4.1. RGB Backlight

The keyboard features a vibrant RGB backlight with 20 distinctive lighting effects. You can customize the lighting to enhance your gaming environment or typing experience.

- Press **Fn + |** to cycle through different lighting effects.
- Press **Fn + ↑ / Fn + ↓** to adjust backlight brightness.
- Press **Fn + ← / Fn + →** to adjust lighting effect speed.

4.2. Hot-Swappable Switches

The ONCE81 keyboard features hot-swappable switches, allowing you to easily swap and install your preferred switch type for a unique, customized feel without soldering.

Hot-Swappable Switches

RECREATE
CLASSIC

...

Swap and install your preferred switch type for a unique, customized feel.



Image: Close-up view of the keyboard demonstrating the hot-swappable switch feature, with several keycaps and switches removed to show the sockets.

4.3. Built-in 6000mAh Battery

The keyboard is equipped with a 6000mAh rechargeable lithium battery, ensuring long-lasting performance. When connected via wired mode, it continues to charge, meeting the demands of heavy typists and gamers for sustained usage.

RECREATE
CLASSIC

Built-in 6000mAh Battery

With low power consumption for extended use

• • •

The 6000mAh rechargeable lithium battery ensures long-lasting performance. When connected via wired mode, it continues to charge, meeting the demands of heavy typists and gamers for sustained usage.



Image: A graphic highlighting the 6000mAh built-in battery, emphasizing its capacity for extended use.

4.4. PBT Doubleshot Keycaps

The standard edition of the ONCE81 comes with PBT Doubleshot Keycaps. Crafted from high-purity PBT material, these keycaps offer a delicate texture for comfortable typing. The cherry profile and curvature align with the natural angle of the hand, ensuring a comfortable experience even during extended use.

Standard Edition

PBT Doubleshot Keycaps

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Crafted from high-purity PBT material, these keycaps offer a delicate texture for comfortable typing. The cherry profile and curvature align with the natural angle of the hand, ensuring a comfortable experience even during extended use.



Image: Close-up of the keyboard showcasing the PBT Doubleshot Keycaps, highlighting their texture and profile.

4.5. Custom Thunderobot POM Linear Switch - Fire Switch

Experience early bottoming out with a clean and crisp feel. The LY switch core, combined with a POM top and nylon base, enhances the overall smoothness of the switch. With a quick actuation distance of 1.2mm, enjoy faster response times during gaming and urgent actions. A 2-3 degree angle on the spring reduces jitter and delays caused by switch contact.

Custom Thunderobot POM Linear Switch - Fire Switch

Experience early bottoming out with a clean and crisp feel.

• • •

Exceptional Feel and Smooth Experience:

The LY switch core, combined with a POM top and nylon base, enhances the overall smoothness of the switch.

Early Trigger:

With a quick actuation distance of 1.2mm, enjoy faster response times during gaming and urgent actions.

Angle Damping for Reduced Latency:

A 2-3 degree angle on the spring reduces jitter and delays caused by switch contact.



Switch Specifications:

Actuation Force: 43±8gf

Bottom-Out Force: 53±8gf

Actuation Distance: 1.2±0.4mm

Total Travel Distance: 3.6±0.4mm

Spring Length: Single 20mm

Lifespan: Approx. 70 million key presses

Image: Diagram showing the internal components of the Thunderobot POM Linear Fire Switch, along with its specifications.

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4.6. Other Features

- **1.14" TFT Screen:** Vintage UI icons for status display.
- **Metallic Roller:** Adjust volume, backlight, and screen settings.
- **Multi-Device Connectivity:** Connect up to 5 devices across systems.
- **Dual OS Support:** Easily switch between Windows and Mac systems.
- **Anti-ghosting Keys (N-key Rollover):** Ensures all key presses are registered accurately, even during rapid

simultaneous inputs.

5. MAINTENANCE

Proper care will extend the life of your Thunderobot ONCE81 keyboard.

- **Cleaning:** Use a soft, dry cloth to wipe down the keyboard. For deeper cleaning, use compressed air to remove dust and debris from between the keycaps. You may carefully remove keycaps for thorough cleaning if needed.
- **Battery Care:** To prolong battery life, avoid fully discharging the battery frequently. Store the keyboard in a cool, dry place when not in use for extended periods.
- **Avoid Liquids:** Keep the keyboard away from liquids to prevent damage to internal components.

6. TROUBLESHOOTING

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

Problem	Possible Solution
Keyboard not responding (Wired)	Ensure the USB cable is securely connected to both the keyboard and the computer. Try a different USB port or cable.
Keyboard not connecting (2.4G Wireless)	Ensure the 2.4G receiver is properly plugged in. Check if the keyboard is in 2.4G mode. Re-pair the keyboard with the receiver if necessary.
Keyboard not connecting (Bluetooth)	Ensure Bluetooth is enabled on your device and the keyboard is in Bluetooth pairing mode. Forget the device on your computer/phone and re-pair. Ensure the keyboard is charged.
Backlight not working or dim	Adjust brightness using Fn + ↑ . Ensure the keyboard battery is charged.
Keys not responding or double-typing	Clean under the keycap. If hot-swappable, try reseating the switch or replacing it with a spare.
Short battery life	Reduce backlight brightness. Ensure the keyboard is fully charged before use.

7. SPECIFICATIONS

Feature	Detail
Model Number	ONCE81
Connectivity Technology	Bluetooth, USB-C, 2.4G Wireless
Keyboard Description	Mechanical
Number of Keys	81
Keyboard Backlighting	RGB (20 effects)

Feature	Detail
Special Features	Backlit, Customizable Display Keys, Ergonomic, Hot-Swappable, Rechargeable
Compatible Devices	Laptop, PC, Smartphone, Tablet
Battery	6000mAh Lithium Polymer (included)
Item Weight	1.76 pounds
Package Dimensions	12.99 x 8.66 x 2.36 inches
Keycap Material	PBT Doubleshot
Switch Type	Thunderobot POM Linear Fire Switch
TFT Screen	1.14 inches

8. WARRANTY AND SUPPORT

Thunderobot products come with a standard manufacturer's warranty. For detailed warranty information, technical support, or service inquiries, please visit the official Thunderobot website or contact their customer service directly. Please retain your proof of purchase for warranty claims.