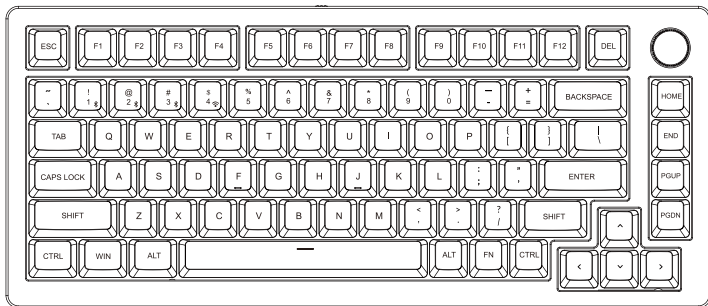




# USER MANUAL



**Fully Customizable / Hot Swappable / RGB Lights**

**Factory Product Name: Mechanical Keyboard**

**Factory Keyboard Model: V83Max**

**Support System: ( Win/Android/Mac/IOS )**

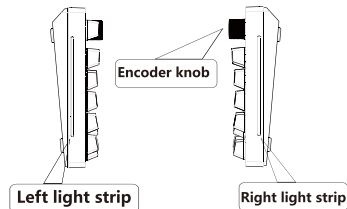
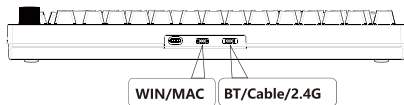
**Base Material:ABS**

**Switch Support: Magnetic switch /Mechanical switch**

**Power Cable Support:USB Type-C**

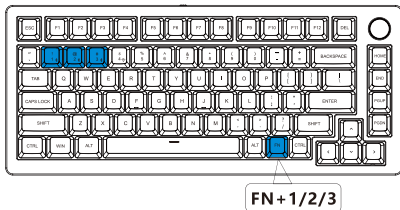
**Backlight : RGB      Software:VIA**

# 1. System switching / Working mode switching

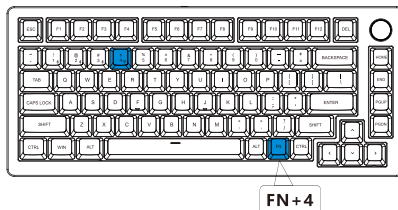


## 2. Bluetooth pairing / 2.4G pairing

**FN+1/2/3** Long press pairing and short press to switch channels

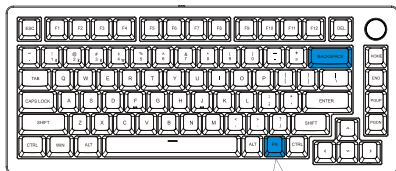


**FN+4** Long press pairing and short press to switch channels



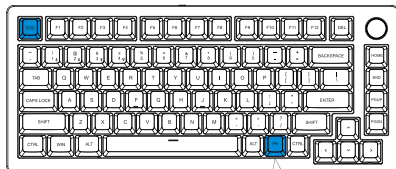
### 3. Lamp efficiency Mode switching /Restoring factory settings

**FN+BACKSPACE** Lamp efficiency Mode switching



**FN+BACKSPACE**

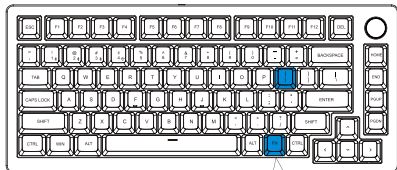
Press FN + ESC key for 3 seconds to restore all backlit red lights flashing 3 times



**FN+ESC**

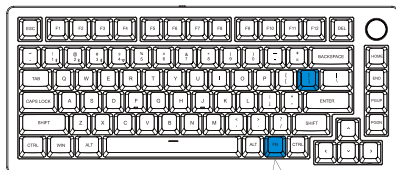
### 4. Adjustment of backlight chromaticity

Adjust chromaticity by FN + [ { in static mode



**FN+PGUP**

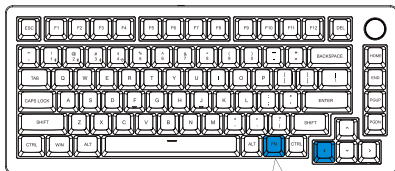
Adjust chromaticity by FN + ] PgDn in static mode



**FN+PGDN**

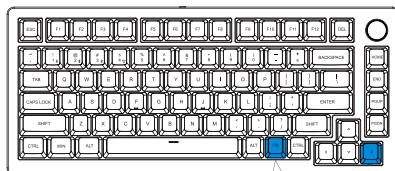
## 5. The breathing speed of backlight lamp effect

**FN + Direction left = Backlight breathing speed decrease**



**FN+left**

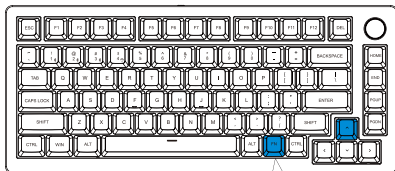
**FN+ Direction right = Backlight breathing speed increase**



**FN+right**

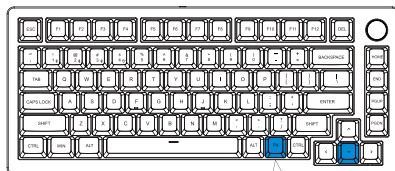
## 6. Backlight brightness adjustment

**FN+ UP = Backlight brightness increase**



**FN+Up**

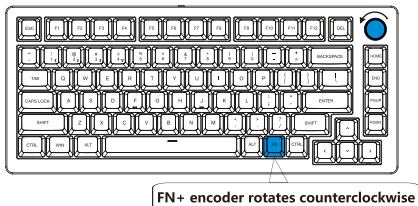
**FN+ DN = Backlight brightness decrease**



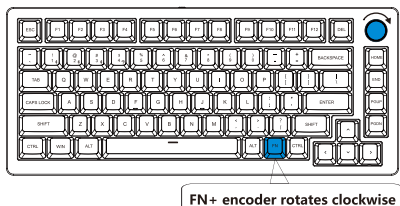
**FN+Dn**

## 7. Adjustment of backlight saturation

**FN+short press the knob to turn off the backlight**  
**FN+ Encoder rotation counterclockwise**  
**Backlight brightness decrease**

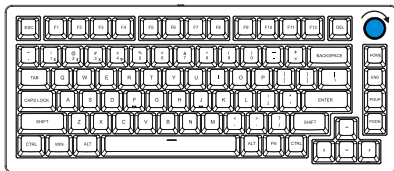


**FN+ Encoder rotates clockwise**  
**Backlight brightness increase**

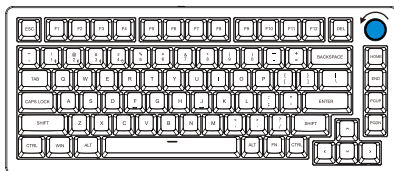


## 8. Volume adjustment

**Short press on the knob to turn off the sound**  
**Encoder rotates volume clockwise increase**

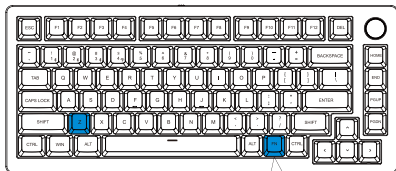


**Encoder rotates counterclockwise volume decrease**



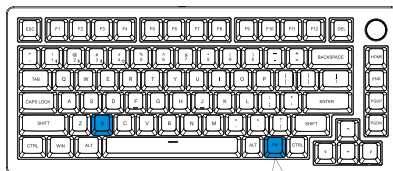
## 9. Adjustment of backlight saturation

**FN+Z= Side light effect switch**



**FN+Z**

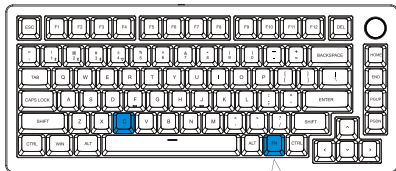
**FN+X= Color adjustment of side lights**



**FN+X**

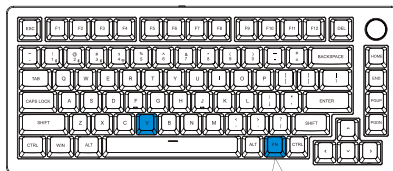
## 10. Volume adjustment

**FN+C= Side light brightness adjustment**



**FN+C**

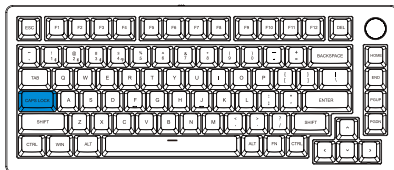
**FN+V= Side light speed adjustment**



**FN+V**

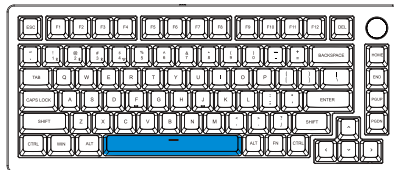
# 11.LED status overview

Keyboard uppercase state This key is always red light  
Lowercase status follows the backlight



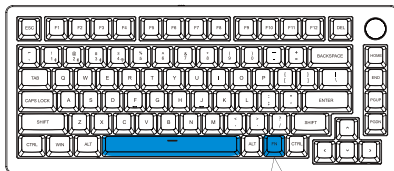
The SPACE button blinking red indicates that the battery is low

The SPACE key lights up red while the keyboard is charging



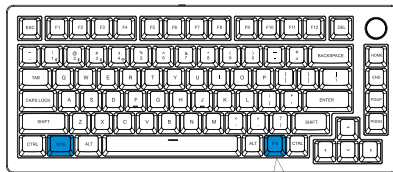
In wireless mode, press FN+SPACE

The green light on the digital key indicates the percentage of battery power



FN+SPACE

FN+WIN=Lock the WIN key



FN+WIN

## 12. Description of multimedia combination

Source button (Press first)	Combine key (Then press)	Multimedia function (WIN)	Multimedia function (MAC Default)
<b>FN+</b>	F1	Scr-	Scr-
	F2	Scr+	Scr+
	F3	Mail	
	F4	Search	
	F5	calculator	Bright -
	F6	Music	Bright +
	F7	Last one	Last one
	F8	Pause / play	Pause / play
	F9	Next one	Next one
	F10	Mute	Mute
	F11	Volume decrease	Volume decrease
	F12	Volume increase	Volume increase

## **13. Support wireless mode switching/pairing**

### **Bluetooth :**

**FN+ 1/ 2/3 (short press to switch, long press to pair)**

The Corresponding key light indicates that it flashes quickly when pairing, and flashes slowly when reconnecting. After the connection was successful, the key light stays on for 2 seconds and then returns to the overall backlight effect. If the pair cannot be paired within 1 minute, it will automatically enter the sleep state;

When connecting back, if the connection is not successful within 20 seconds, it will automatically enter sleep.

### **2.4G:**

**FN+4 (short press to switch, long press to pair)**

## **14. Sleep mode**

If there is no action in the wireless state for 2 minutes, the keyboard automatically enters the first level sleep. At this time, the light is off, the Bluetooth or 2.4G is in the connected state, and there is key output at the same time. When the keyboard does not work for 30 minutes, it enters the second-level hibernation state. At this time, the wireless of the keyboard is disconnected. No code will be sent when the keyboard is pressed for the first time, When the keyboard is automatically connected after waking up, there will be key output after the connection is normal.

## **15. Battery indicator:**

**Lithium battery (3.7V):** When the battery voltage is lower than 3.5V, the red indicator light of the space key on the keyboard flashes, and when charging, the red indicator light of the space key is always on; When fully charged, the space key will follow the backlight, and the keyboard will automatically shut down when it is lower than 3.0V. After automatic shutdown, the key is invalid, and the low battery indicator lights up, indicating that charging is required at this time.

## **16. Lithium battery power query**

In the wireless state, press FN+space key, and digital key 1-0 will turn on the green light to display the percentage of battery power: 1 key indicates 10% battery power, 2 keys indicate 20% battery power

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## **17. Technical Specifications**

**Keyboard size:** 332.8\*141.4\*45.6mm

**Maximum brightness operating current :** < 350 mA

**Working distance:** 8-10m

**Lithium battery capacity:** 4000 mAh

**Working voltage:** 3.7V

**Charger specifications:** 5V --- 1A

## 18. Keyboard driver

**Please log in to the web site: <https://app.qmk.top/>  
Refresh this page after installing the required driver files for the first time.**

**Please refer to the Quick Start Guide for how to use the driver**

**To ensure the effective use of the keyboard, please perform stroke calibration first when the following situations occur:**

- 1. First time user**
- 2. Inserting/replacing the shaft body**
- 3. Upgrade firmware**
- 4. Keyboard cannot be used**

## 19. Keyboard features

- Tri modes:Wired/Bluetooth/2.4G**
- 83 key minimalist style**
- Removable Power Cable**
- Built-in large capacity lithium battery**
- A full keyboard RGB cool lighting effect**
- Independent metal knob adjust volume**

## 20. Restore factory settings

What if the keyboard fails, or if you want to go back to your original state after modifying the key code and light effect?

1. Press fn+ESC in order (wait 3 seconds); restore factory settings.
2. Download the correct firmware for your keyboard from our website, and then unplug the data line from the keyboard.
3. Unplug the space bar key cap and find the reset point of the PCB
4. Short-circuit the reset point for a long time, insert the keyboard data cable at the same time, and then disconnect the reset point, and the keyboard enters DFU mode.
5. You can then use the toolbox to refresh the firmware.
6. After pulling out the keyboard again, reinsert the keyboard and it can be used normally.
7. This device supports the sharing of mechanical switches and magnetic switches. If there is a replacement switch, please use tools for calibration

## 21. FCC Statement

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help

This device complies with part 15 of the FCC rules. Operation is subject to the following two conditions (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

## **What's in the Package?**

- 1x83-Keys Tri model Mechanical keyboard**
- 1x USB Dongle**
- 1x USB Type-C Cable**
- 1x User Manual**
- 1x Quick Start Guide**
- 1x 2-in-1 Keycap puller switch puller**

### **Note:**

**Do not place the accessories and packaging parts of this product in contact with children in order to prevent asphyxiation caused by accidents.**

**Do not expose the product to extreme temperatures below -10 °C (5 °F) or above 50 °C (131 °F) to maintain the service life of the keyboard.**