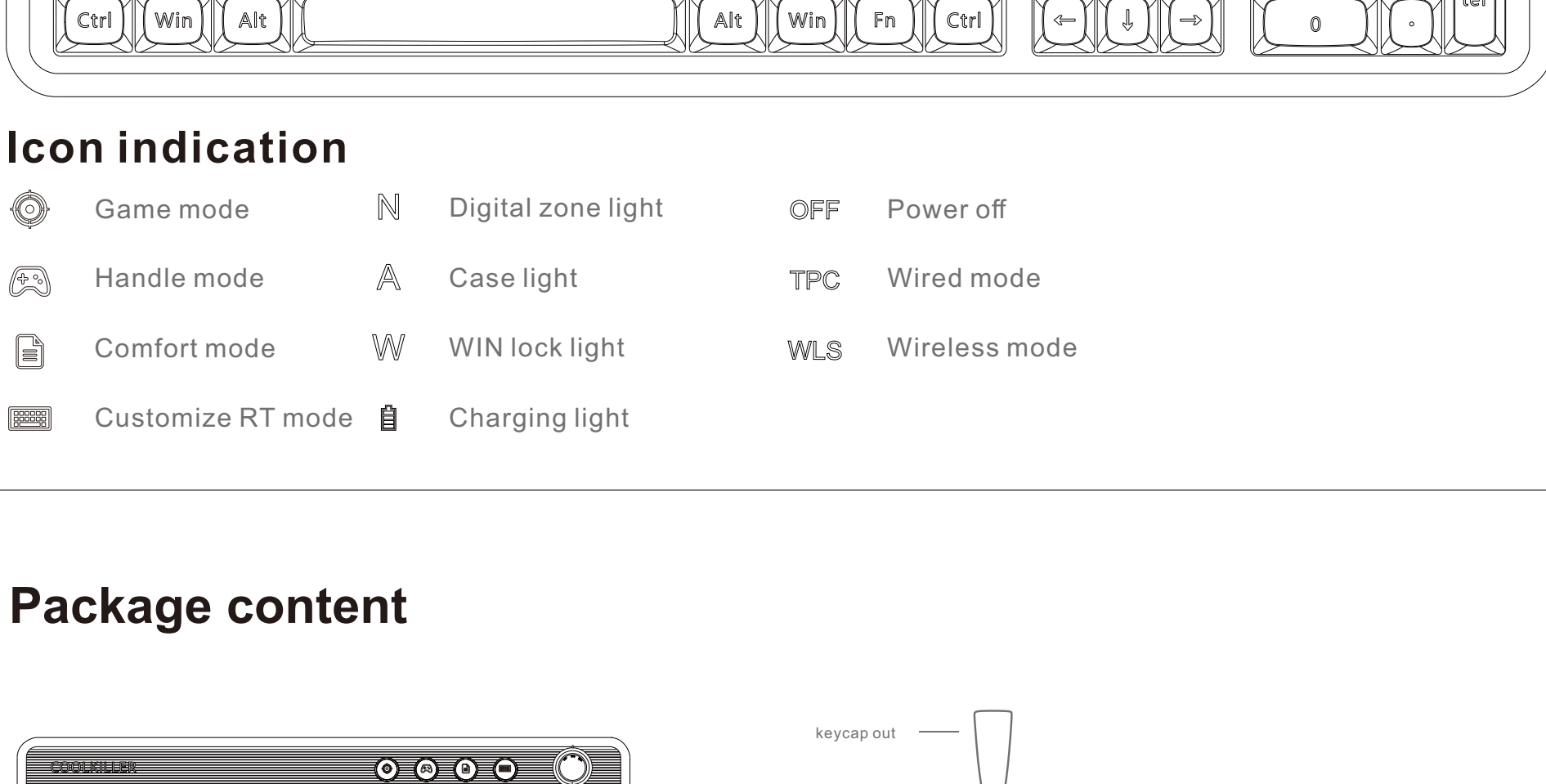


COOLKILLER

CK 108 Wireless magnetic switch keyboard

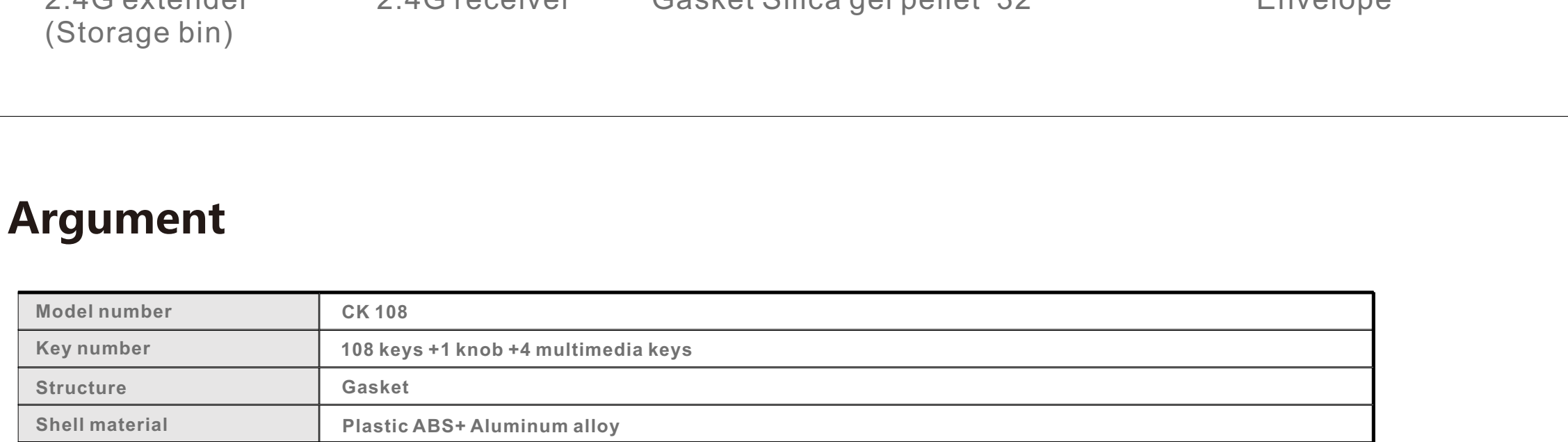
Quick start guide



Icon indication

	Game mode		Digital zone light		Power off
	Handle mode		Case light		Wired mode
	Comfort mode		WIN lock light		Wireless mode
	Customize RT mode		Charging light		

Package content

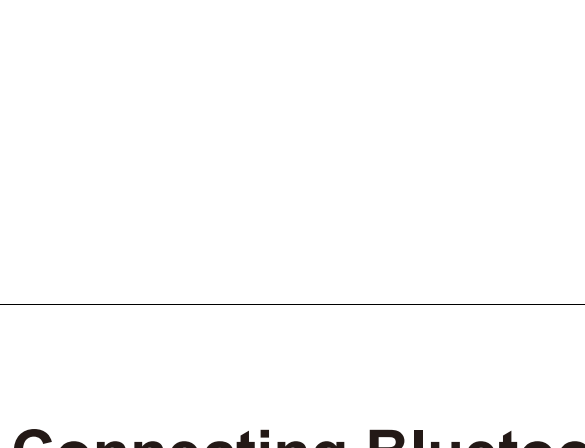


Argument

Model number	CK 108
Key number	108 keys +1 knob +4 multimedia keys
Structure	Gasket
Shell material	Plastic ABS+ Aluminum alloy
PCB type	3/5 pin hot swap (switch body replacement, drive calibration required)
Switch type	Magnetic switch (Other brands are not supported)
Bigpod	double-deck
Lamp/light	RGB light effect
Connection mode	Wired, Bluetooth, 2.4G wireless
Connecting port	USB Type-C(Wired Mode & Charging)
Wireless effective range	Within 10m (open space, barrier-free)
Sound optimization	Silicone filled x2/type switch underpad /Poron switch seat cotton
Bluetooth pairing name	CK 108 5.0 /CK108 3.0
Blank key	Full bond no punch
Upload rate of return	Wired and 2.4G mode 500hz, Bluetooth mode 125hz
Compatible system	Windows 7-11, MacOS, iPadOS, Android, iOS
Battery capacity	8000 mAh
Dimension	466.8*183.4*37mm
Charging time	10 hours (no backlight)
Weight	1721.8g

Connect the 2.4Ghz receiver

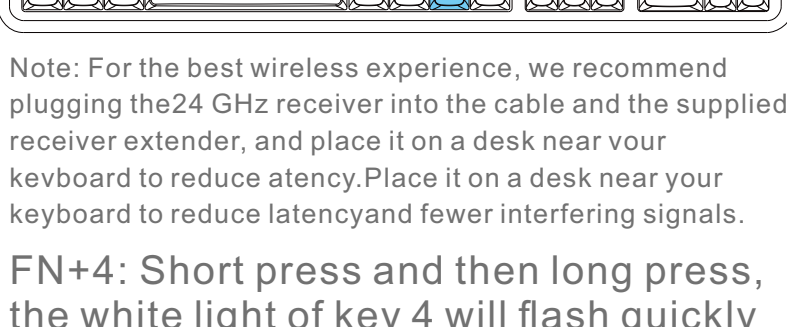
1. Connect the 2.4Ghz receiver to the device USB port



2. Turn the upper-right knob of the keyboard to WLS



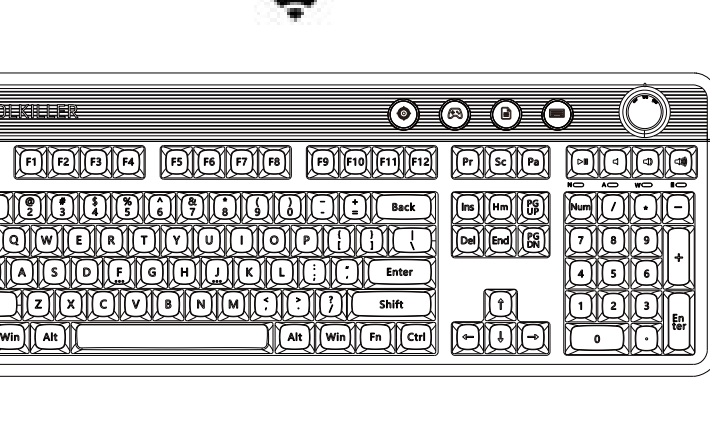
WLS=wireless



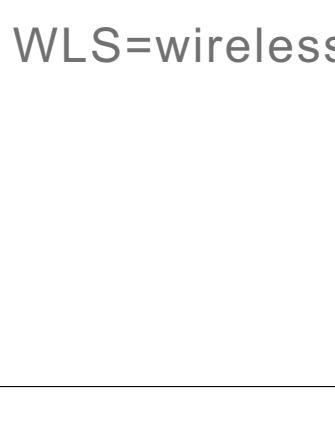
Note: For the best wireless experience, we recommend plugging the 2.4Ghz receiver into the cable and the supplied receiver extender, and place it on a desk near your keyboard to reduce latency and fewer interfering signals.

FN+4: Short press and then long press, the white light of key 4 will flash quickly to enter pairing mode. After successful pairing, key 4 will light up for 2 seconds, and the back light will be restored.

Connecting Bluetooth

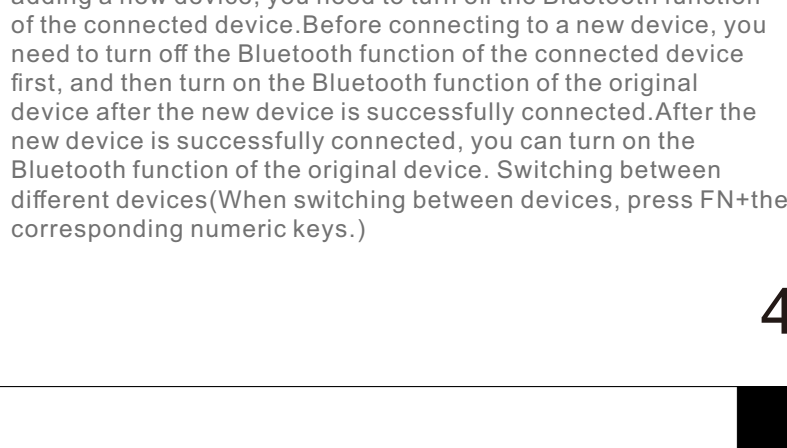


2. Turn the upper-right knob of the keyboard to WLS



WLS=wireless

2. Press and hold FN+1, the light of 1 key will flash to enter pairing mode. After successful pairing, the 1 key will light up for 2 seconds and then resume the backlight. Backlight will be restored. Keyboard pairing is named: CK 108 5.0/CK 108 3.0



FN+1/2/3=Bluetooth 1/Bluetooth2/Bluetooth3: Following the same steps, you can connect three different devices, before adding a new device, you need to turn off the Bluetooth function of the connected device. Before connecting to a new device, you need to turn off the Bluetooth function of the original device, and then turn on the Bluetooth function of the original device after the new device is successfully connected. After the new device is successfully connected, you can turn on the Bluetooth function of the original device. Switching between different devices: When switching between devices, press FN+the corresponding numeric keys.)

Wired



Turn the knob of the keyboard to TPC

TPC=Type-C

Custom Drivers



China Official Website:
www.coolkiller.cn



Overseas Official Website
www.coolkiller.com

Scan the code to download the driver

Note: The driver only supports wired and wireless customization. (Only wired customization is supported in case of MAC system)

Driver Functions

- *Key Setting: Set the key value to other keys, macros, shortcuts.
- *Lighting Settings: Switching lighting effects, modifying lighting colors, customizing lighting effects.
- *Macro Settings: Organize and record custom macros.
- *Delay Adjustment: Adjust the response speed of the keyboard.
- *Switch Stroke Customization: Customize the switch stroke.
- *Rapid Response Function (RT Function): Support minimum 0.1mm precision recognition.
- *Advanced key functions: DKS, MT, TGL and other advanced key combinations.

Multimedia key

Paradigm	Pushbutton Trigger Stroke(MM)	Key reset travel (MM)	Note
	0.5	2	
	2	2	
	to be developed	to be developed	
	customizable	customizable	See Customizing RT Functions below

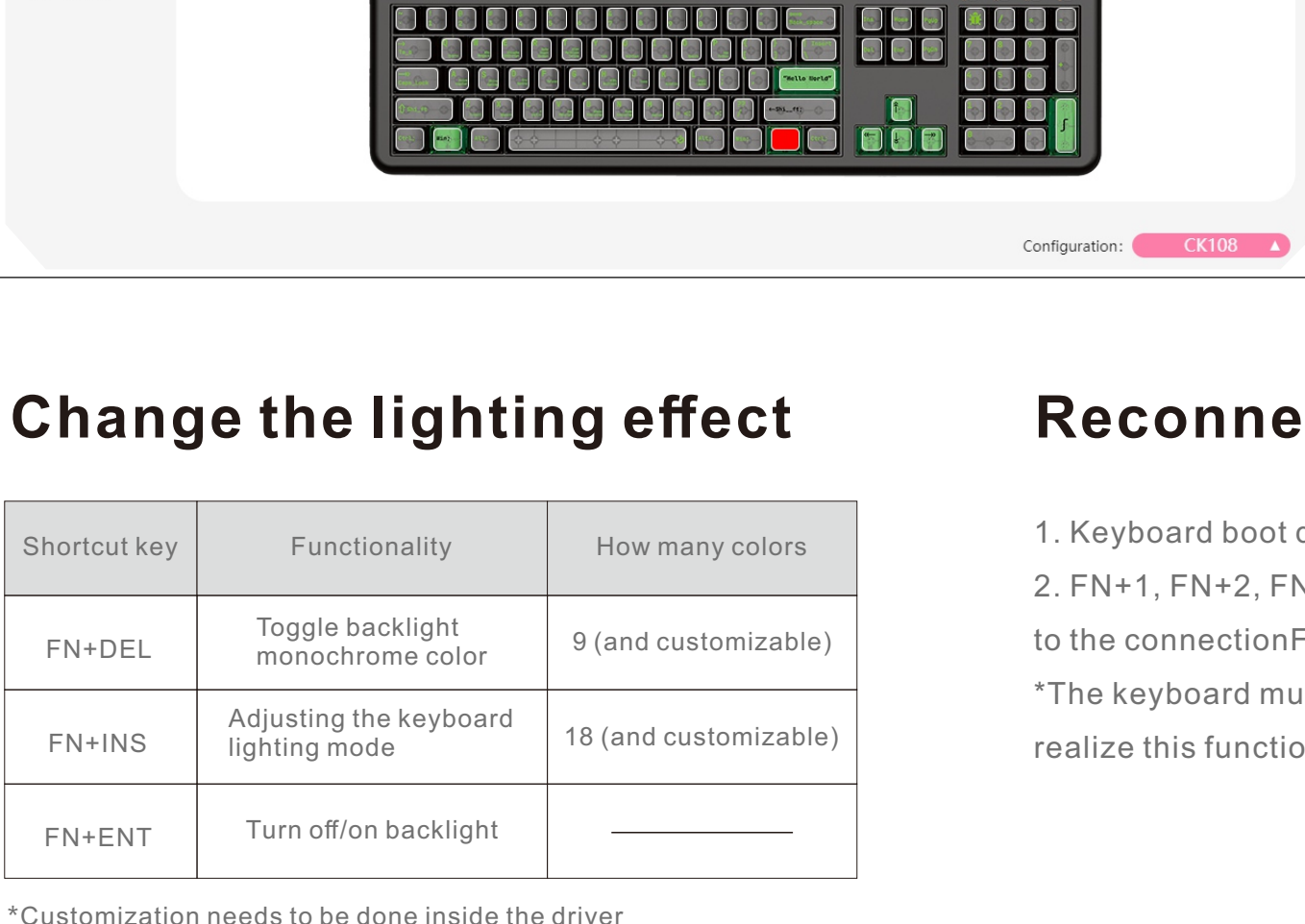
*Press the multimedia button to switch automatically

Customized RT function (Rapid Trigger)

The RT function (Rapid Trigger) is a unique technology of the magnetic switch keyboard, which utilizes the precise coordination between the magnetic switch and the Hall sensor to drastically shorten the keytriggering time and increase the response speed and sensitivity. Users can freely adjust the trigger position and travel length of the keys, for example, setting the press trigger travel to 0.3mm and the release travel to 0.2mm. This mechanism ensures efficient input in typing and gaming scenarios.

Setting method

Go to Driver -> Switch Settings -> Stroke Settings.



Set the key trigger key range: All buttons

All buttons

Non-rapid trigger (RT)

Release the button to reset the required travel

2.5mm

0.2mm

2. Key Sensitivity Setting (We recommend setting the RT sensitivity to 0.2MM)

Confirm

3. Please don't forget to click the "Confirm" button at the end.

Change the lighting effect

Shortcut key	Functionality	How many colors
FN+DEL	Toggle backlight monochrome color	9 (and customizable)
FN+INS	Adjusting the keyboard lighting mode	18 (and customizable)
FN+ENT	Turn off/on backlight	—

*Customization needs to be done inside the driver

Reconnect

- Keyboard boot default last connected device
- FN+1, FN+2, FN+3, FN+4 (1, 2, 3, 4 keys) white light slow flash back to the connection FN+1/2/3/4=Bluetooth 1/Bluetooth2/Bluetooth3/2.4G

*The keyboard must have been paired with the device before to realize this function.

Battery condition

State of affairs	Lights	Lights out	Pragmatic
Operating status (mA)	300	80	0.5
Duration (hours)	28	10	About 180 days
Charging time (hours)	20	10	

The keyboard is inactive for 2 minutes to enter standby mode, press any key to activate the keypad to enter working mode.

Charging tips

- *Charging indicator light red when low battery.
- *Charging indicator light green when charging.
- *Charging indicator light off when fully charged.
- (Does not support high-current charging)

Storage and use environment

Temperature / Humidity	Realm
Storage temperature	-20°C~+70°C
Operating temperature	-20°C~+60°C
Storage humidity	Relative humidity under non-condensing condition 30%RH~95%RH

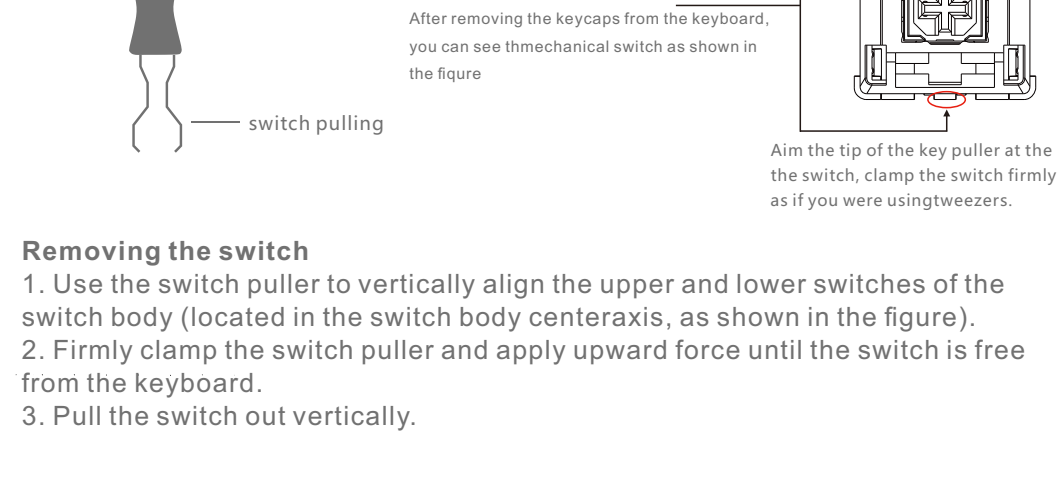
Fn shortcut key

Windows shortcut key	Mac shortcut key
FN+F1	Multimedia
FN+F2	Volume reduction
FN+F3	Volume plus
FN+F4	Unmute
FN+F5	Previous song
FN+F6	Next song
FN+F7	Pause/Play
FN+F8	Cessation
FN+F9	Mails
FN+F10	Web page
FN+F11	In-computer file
FN+F12	Calculators
FN+ESC	Long press 35 to restore factory settings
FN+Z	System integrator

General function shortcuts

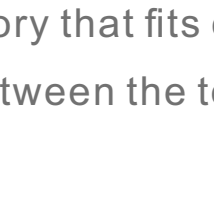
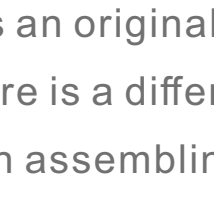
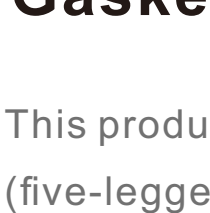
Windows shortcut key	Mac shortcut key
FN+1	Short press Bluetooth 1 to connect back. Long press Bluetooth 1 to pair
FN+2	Short press Bluetooth 2 to connect back. Long press Bluetooth 2 to pair
FN+3	Short press Bluetooth 3 to connect back. Long press Bluetooth 3 to pair
FN+4	Short press 2.4G to connect back. Long press 2.4G pairing
FN+Ent	Backlight off
FN+Back	Quarry power level (Wireless mode)
FN+Win	Win Lock
FN+Ins	Main backlight effect switching
FN+1	Backlight Brightness+
FN+1	Backlight Brightness-
FN+→	Backlight speed-
FN+←	Backlight speed+

Replacement of switch



Make sure the switch feel are straight and clean before installing the switch

The switch pin is aligned with the PCB board's jack and then pressed down vertically.



Removing the switch

- Use the switch puller to vertically align the upper and lower switches of the switch body (located in the switch body center axis, as shown in the figure)
- Firmly clamp the switch puller and apply upward force until the switch is free from the keyboard.
- Pull the switch out vertically.

Installing the switch body

- Check the pins on the bottom of the switch body to make sure they are upright and not bent or stained.
- Align the switch body vertically with the kit and the pins with the jacks on the PCB.
- Gently press down on the switch body and hear a slight click to indicate that the switch body is properly inserted.
- Check and test if the switch body is installed securely.

Note: If the bottom pins are accidentally bent when inserting or removing the switch, the keyboard keys will not work properly. In this case, please pull out the switch, gently straighten the pins, and then insert it again. If you do this incorrectly, the keyboard may be damaged beyond repair. When installing the switch and keycaps, avoid using excessive force and do not install them violently. If you have any questions, please contact customer service immediately, to avoid improper operation resulting in product damage.

Gasket Silica gel pellets instructions for use

This product is compatible with the hot-swapping of conventional mechanical switch based on switch holders (five-legged and three-legged axes). The included Gasket silicone pellet is used to change the internal structure of the keyboard. This is an original accessory that fits over the corresponding position of the locator plate.

Please note that there is a difference between the top and the bottom of the silicone pellet, so please pay attention to the direction when assembling.

Special Note: It is not recommended to change the magnetic switch to use the Gasket structure (there is a risk of affecting the accuracy of Hall sensing).

Troubleshooting

- Unable to Use Bluetooth**
Solution: Please open the Bluetooth settings on your computer or smartphone, select "Keyboard" and delete this device or unpair it. Then, restart your device, turn off and back on the keyboard and try to reconnect again.

- 2. 2.4 GHz or Bluetooth connection is interfered with within 10 metres**
Solution: Make sure the keyboard is not placed on a metal surface that may interfere with the wireless signal.

- 3. How to clean the keyboard effectively**

- *Power off or disconnection: Before cleaning your mechanical keyboard, be sure to disconnect the keyboard from your computer or switch off the power to the keyboard to avoid any potential damage or risk of electric shock.
- *Use appropriate tools: Use specialised tools such as soft brushes, air blow canisters or keyboard cleaning gels to clean your keyboard, avoid using sharp or hard objects that may damage the keycaps or switch.
- *Clean gently: Avoid pressing or pulling on the keycaps during the cleaning process to avoid damaging the keyboard switch.
- *Thoroughly dry: After cleaning the keyboard, make sure it is completely dry before connecting it to the computer to avoid short circuits or other problems.
- *Avoid chemicals: Avoid using strong chemical cleaners or solvents that may damage the surface of the keyboard or cause health hazards.

Keep the product dry to avoid moisture and corrosion.
By following the above precautions, you can clean your mechanical keyboard more safely and effectively, extending its life and maintaining a good user experience.

Safety Precautions:

- Avoid child contact with the product, accessories and packaging materials to prevent accidents or choking hazards.
- Keep the product dry to avoid moisture and corrosion.
- Do not expose the product to extreme temperatures below -10°C (14°F) or above 50°C (122°F) to extend the life of the keyboard.

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