# CMK87 wired/ BT/ 2.4G three mode specification

## Brief introduction :

- 87 keys keyboard,RGB backlight, Electronic solution: wired +BT 5.0\3.0+2.4G wireless three mode, Compatible with WINDOWS\Android and IOS\MAC systems, Lithium battery 1100-2000mAh, with charging and boosting circuits ,USB cable using type-c interface.
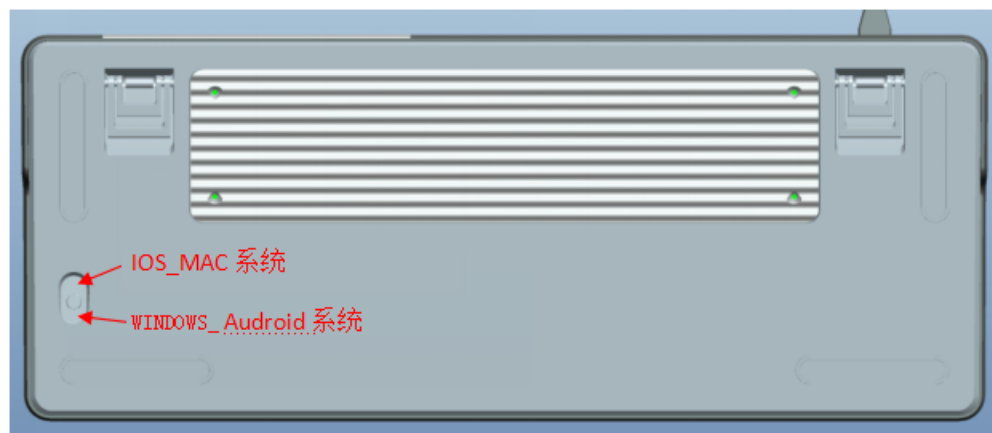
## Indicator:

- CAPSLOCK (monochrome), SCR LOCK(monochrome), WIN LOCK(monochrome), charge mode light {charge indicator (When charging, red light is steady on, full is off, and red light flashes at low power) + mode indicator (green light in 2.4G mode +white light in wired mode + blue light in BT mode )}, as shown below:
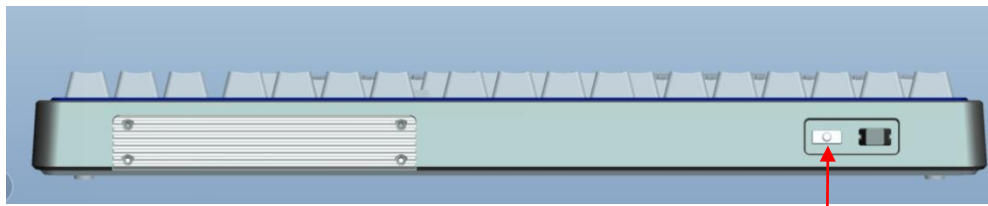


## Pull switch function:

- Two - stage pull switch: Windows_Android \IOS_MAC system switch



- Three-stage pull switch: wired mode \OFF mode \ BT mode

# Combination key:

## ● Common parts

1) FN+ESC: Press for 3 seconds to resume factory mode.

2) FN+ Left WIN: Lock both left WIN and APP (IOS MAC users are automatically unlocked)

3) FN+INS: Backlight mode switch

4) FN+DEL: Backlight color switch

5) FN+END: Restore to solid single backlight mode

6) FN+↑↓: Backlight brightness adjustment -- FN+↑: Backlight Brightness Up,FN+↓:Backlight Brightness Down. (F5 and F6 adjust the backlight brightness in the IOS_MAC system)

7) FN+←→: Backlight speed adjustment -- FN+←:Backlight speed Down, FN+→Backlight speed Up.

8) FN+1: Short press to switch to BT device 1, and press for 3S to enter pairing

9) FN+2: Short press to switch to BT device 2, and press for 3S to enter pairing

10) FN+3: Short press to switch to BT device 3, and press for 3S to enter pairing

11) FN+4: Press for 3S to enter 2.4G paired receiver mode

12) FN+BACKSPACE: Query the current battery quantity. As shown the followings:

100% - from 1 to 0 total 10keys will be in green light；

75% - from 1 to 8 total 8keys will be in green light；

50% - from 1 to 5 total 5keys will be in green light；

25% - from 1 to 3 total 3keys will be in green light；

   PS: The battery quantity will be displayed when you press the "FN+ BACKSPACE", and it will return to the current light effect after releasing it.It can be queried only when the battery is powered independently.

## ● WINDOWS_ Android System

FN+F1-- Brightness-

FN+F2-- Brightness+

FN+F3-- WIN+TAB (Mission control)

FN+F4-- WIN+E (Turn on my computer)

FN+F5-- Email

FN+F6-- Homepage

FN+F7-- Previous

FN+F8-- Play \ Pause

FN+F9-- Next

FN+F10-- Mute

FN+F11-- Volume-

FN+F12-- Volume+

## ● IOS\MAC System

FN+F1-- Brightness-

FN+F2-- Brightness+

FN+F3-- Mission control

FN+F4-- Back to homepage

FN+F5-- Keycap area brightness-

FN+F6-- Keycap area brightness+

FN+F7-- Previous

FN+F8-- Play \ Pause

FN+F9-- Next

FN+F10-- Mute

FN+F11-- Volume-

FN+F12-- Volume+

PRT-- Screen capture（Command+Shift+4）

SCR-- Call Siri（Command+space）

Pause-- Exit the application（Command+Q）

CTRL--control

ALT-- option

WIN--Command



# 2.4G\wired\BT mode indicator description

## ● 2.4G mode:

Pull the switch to 2.4G mode, factory has paired receiver 1 to 1 ok, but if you need re-pair the dongle, press FN+4, and the green light of the charging indicator will flash (3 times /S) to search the receiver. After successful connection,the green light is on for 3 seconds and then off. When the paired dongle cannot be found for 60s, the matching code will be quit and charging indicator will be extinguished. The keyboard reconnection needs 10s, at the same time the green light of charging indicator will flash slowly, and the keyboard will go to sleep when the keyboard fails to

connect back. After the reconnection is successful,the green light is on for 3 seconds and then off. When the keyboard is not used, the backlight will be turned off after 120S, and the keyboard will fall asleep after 10MIN.

## ● Wired mode:

Pull the switch to wired mode, and the charging indicator will be red or off, which shows be charging or full charging.

## ● BT mode:

Pull the switch to BT mode, the combination key for BT connection is 1, 2 and 3. Long press FN+1 /2 /3 for 3 seconds to broadcast, short press alone to switch BT devices, press the combination key for 3 seconds to enter the pairing state, and the blue light of charging indicator will flash (3 times /S). After the pairing is successful, the blue light is on for 3 seconds and then off. When the matching device cannot be found in 60s, the pairing will be quit and charging indicator will be extinguished. The keyboard reconnection needs 10s, at which time the blue light of charging indicator will flash slowly, and the keyboard will go to sleep when the keyboard fails to connect back. After the reconnection is successful,the blue light is on for 3 seconds and then off. When the keyboard is not used, the backlight will be turned off after 120S, and the keyboard will fall asleep for 10MIN.

## ● Charging mode:

When the USB cable is plugged in, it means in charging if the indicator light shows in red and it will be off after the voltage reach 4.2V, which means the power has been fully charged. When you plug in the USB cable, it charges whether the bottom toggle switch is on or not.

## ● Low power mode:

When the power is less than 20%, the charging indicator will alternately flash red to prompt the user to charge. (Note: When the battery voltage is lower than 3.1V, the keyboard will stop working directly, and can not be waked up. At this time, when the key is hit, the keyboard will only have the charging indicator flashing, and no other response. Be sure to plug in the USB cable to charge to 3.1V above so keyboard could be waked up.)

## ● matters need attention:

1. When BT is broadcast, two BT names "BT5.0KB" and "BT3.0KB" will be displayed at the same time if the receiver is BT version 4.0 or above. In this case, "BT5.0KB" will be preferred for connection.When the receiver version of the device is below BT 4.0, only one BT name "BT3.0KB" will be displayed. Only "BT3.0KB" can be selected to connect.

FCC ID: 2A4V8-CMK87

NOTE: 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

Changes or modifications not expressly approved by the party responsible for

compliance could

void the user's authority to operate the equipment.

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.