



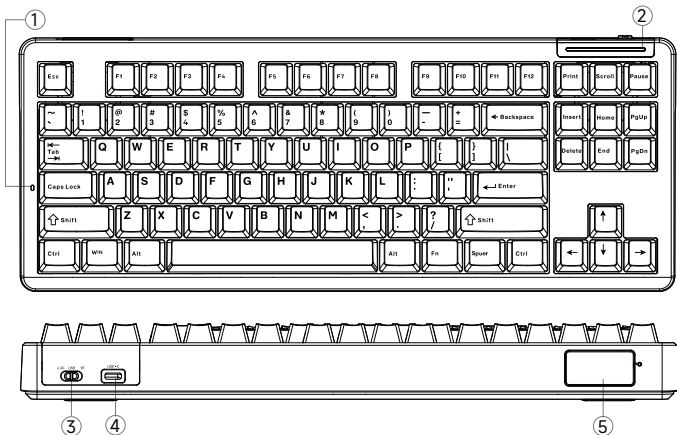
K87

K87/K87Pro Mechanical keyboard
K87/K87Pro 机械键盘

User manual
使用说明书

LEOP

三模RGB版



- ① CAP大小写指示
- ② RGB氛围灯条/电量指示
- ③ 模式切换开关2.4G/有线/BT
- ④ Type-C接口
- ⑤ 接收器收纳区

- 时尚的外观设计，87键布局，Gasket结构，手感细腻软弹；
- 键帽和机械开关可插拨，用户也可以购买市面上各品牌开关和个性化键帽自由DIY；
- 键盘用料扎实，按键反应灵敏；
- 两段式脚架，隐藏式独立收纳接收器；
- 键盘人性化设计，与Fn配合增加一系列常用快捷功能按键；
- 键盘回报率：有线模式1000Hz，2.4G模式1000Hz，蓝牙模式125Hz。



- ①切换至中间【USB】模式 ②将标配USB线缆Type-C一端插进键盘对应端口 ③将线缆USB头一端插入电脑USB端口即可

开关机说明

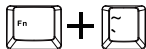


- 将开关拨至有线模式(未插USB供电), 键盘即关机状态, 内置电池停止对键盘供电。

2.4G连接使用说明

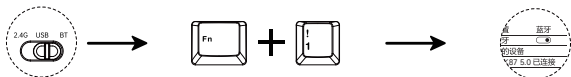


- ①切换至【2.4G】模式 ②按压接收器仓, 取出【USB接收器】 ③插至电脑USB端口即可使用



组合键快速2.4G对码

- 手动对码: 长按组合键“FN+ ~”3秒左右, 青色灯快闪进入对码状态, 此时将接收器插入电脑USB端口, 青色灯亮2秒, 2.4G连接成功。此时即完成对码。



- ① 切换至【BT】模式
- ② 按组合键切换至BT1，长按约3S至蓝灯快闪进入配对
- ③ 搜索配对名【K87 3.0】或【K87 5.0】连接成功蓝灯亮2秒后灭灯

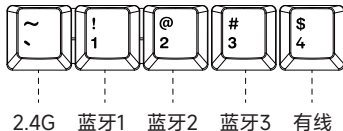
组合键快速设备切换：



- 长按3s组合键Fn+数字1、2或3，蓝灯快闪，表示键盘进入对码或搜索模式，即可在设备中进行配对连接：回连状态下，为蓝灯慢闪。
- 按Fn+数字键1、2、或3可以切换设备。

当前状态指示灯说明

- 按住FN后可查看：
当前连接模式（2.4G、蓝牙、有线）



以上对应按键会亮白灯，松开恢复灯效。

Fn+\组合键切换16种RGB灯效和关闭共17种灯效:				
随波逐流 (恢复默认后灯效)	如影随形	正弦光波	旋转风车	七彩瀑布
花开富贵	游戏模式	关 闭	常亮模式	呼吸模式
梦幻彩虹	一触即发	雨中漫步	按键涟漪	繁星点点
踏雪无痕	川流不息			

背光灯效快捷键调节

Fn +	\	灯光模式切换
	← Tab →	灯光颜色切换
	↑	灯光亮度增加

Fn +	↓	灯光亮度减少
	←	灯效速度减少
	→	灯效速度增加

- 配合驱动带音乐律动RGB灯效，此灯效下有10种灯效模式可选。

氛围灯条调节

Fn +	左 ⇧ Shift	切换灯光模式(流光/霓虹/常亮/呼吸/关灯)
	左 Ctrl	切换灯条灯效速度
	Z	切换灯光颜色(呼吸和常亮模式)
	B	进入电量模式(电量显示和充电灯效显示)

侧灯灯效调节

Fn +	右 Shift	切换侧灯模式(流光/霓虹/常亮/呼吸/关灯)
	右 Ctrl	切换侧灯灯效速度
	右 Alt	切换侧灯亮度
	? /	切换灯光颜色(呼吸和常亮模式)

操作系统模式切换

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- Fn+WIN(左)=锁定 /解锁 WIN窗口键(在WIN 系统下, 锁定WIN 键时指示灯常亮, WIN 键无法使用)。
- 切换到Mac系统后左WIN/左ALT位置互换 (不锁WIN)。

Fn +	Q	安卓系统
	w	Windows系统

Fn +	E	MAC系统

快捷键说明

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必须左上角开关切到对应模式FN+`~/1/2/3才可以长按对码

FN+	ESC	长按3秒, 恢复出厂设置	FN+	1	蓝牙设备1#
	~、	长按3秒, 2.4G对码		2	蓝牙设备2#
	WIN	锁定WIN键, 锁定时WIN键无法使用		3	蓝牙设备3#

- 按FN+ESC恢复出厂默认灯光模式, 原来连接的蓝牙设备保存不会清除。

FN+W=Windows系统 (W键红灯闪3s) , F区单按功能与F区FN组合功能。

键位	单按	Fn组合
F1	F1	主页
F2	F2	邮件
F3	F3	转换窗口
F4	F4	打开资源管理器
F5	F5	背光亮度-
F6	F6	背光亮度+

键位	单按	Fn组合
F7	F7	上一曲
F8	F8	播放/暂停
F9	F9	下一曲
F10	F10	静音
F11	F11	音量-
F12	F12	音量+

FN+E=Mac系统 (E键红灯闪3s) , F区单按功能与F区FN组合功能。

键位	单按	Fn组合
F1	屏幕亮度-	F1
F2	屏幕亮度+	F2
F3	转换窗口	F3
F4	返回桌面	F4
F5	灯光亮度-	F5
F6	灯光亮度+	F6

键位	单按	Fn组合
F7	上一曲	F7
F8	播放/暂停	F8
F9	下一曲	F9
F10	静音	F10
F11	音量-	F11
F12	音量+	F12

FN+Q=Android系统（Q键红灯闪3s），F区单按功能与F区FN组合功能。

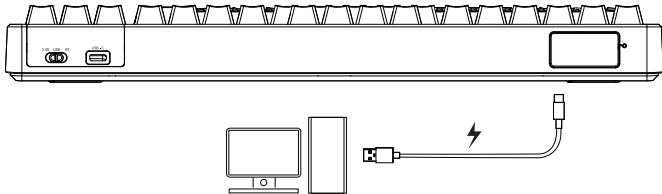
键位	单按	Fn组合
F1	屏幕亮度-	F1
F2	屏幕亮度+	F2
F3	转换窗口	F3
F4	返回桌面	F4
F5	背光亮度-	F5
F6	背光亮度+	F6

键位	单按	Fn组合
F7	上一曲	F7
F8	播放/暂停	F8
F9	下一曲	F9
F10	静音	F10
F11	音量-	F11
F12	音量+	F12

智能休眠模式说明

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- 蓝牙/2.4G模式下一分钟无任何操作自动进入省电模式(灯光关闭)，单击按键唤醒键盘。



- 通过配备的USB线将键盘与电脑连接，即可为键盘充电。充电中RGB氛围灯条流光显示，充满长亮绿色。
- 在2.4G/蓝牙模式下（未插入USB），RGB氛围灯条可FN+B显示键盘电量，满电绿色显示，随着电量消耗，绿色逐渐减少，低电量全红指示。
- Type-C连接性更可靠，性能更稳定。



充电说明

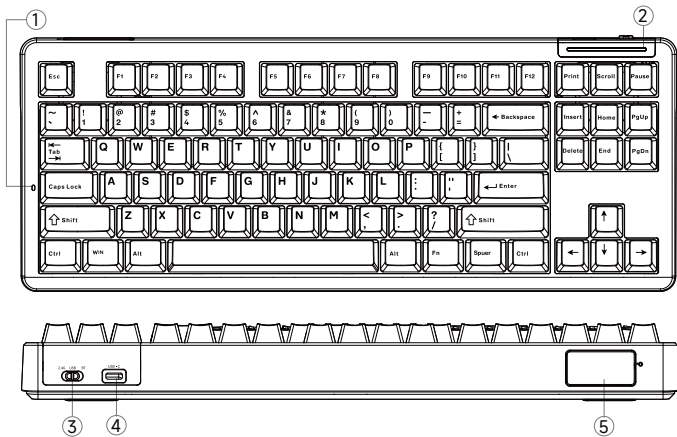
- 1、建议仅使用电脑USB接口对键盘进行充电；
- 2、请勿使用快充手机充电器对键盘充电；
- 3、请勿使用劣质非标电源适配器对键盘进行充电；
- 4、请勿使用过压过流电源适配器对键盘进行充电；
- 5、充电时请远离高温设备；
- 6、长时间不使用时请关闭电源开关。

以上充电说明同样适用于其他带充电功能设备(键盘/鼠标/耳机/音箱等)

- 键数：87键
- 按键总行程：4.0mm
- FN键多功能
- 产品尺寸：366.78×142.91×42.85±1mm
- 产品重量：约1000g（4000mAh）
约1070g（8000mAh）
- 充电电压/电流：DC 5V $\overline{=}$ 800mA
- 额定电压:DC 3.7V（充满4.2V）
- 额定电流：200mA @3.7V（默认灯效）/20 mA(关所有灯光)
- 充电接口：Type-C接口

电池容量版本	4000mAh	8000mAh
续航时间	约20小时（默认灯效） 约200小时（关所有灯光）	约40小时（默认灯效） 约400小时（关所有灯光）

- 电脑系统需求：
 - 有线/2.4G模式：Windows ALL操作系统WIN XP, WIN7,WIN8,WIN10（在Win95, Win98系统下，可能需要驱动程序）。
 - 有线模式/2.4G接收器：配置有USB 1.1或以上版本端口。
 - 蓝牙模式：设备名称“K87 3.0 ”WIN7及以下系统。
 - 蓝牙模式：设备名称“K87 5.0 ”WIN8,WIN10及以上系统。
 - 蓝牙模式：带有蓝牙BT3.0, BLE4.0,BLE5.0及以上硬件的MAC电脑，Android手机或平板，IOS手机或平板。
- 硬件连接
 - 有线USB/2.4G接收器支持热插拔（即插即用）。



- ① CAPSLOCK ② RGB Light Strip/battery indicator ③ Mode Switch(2.4G/Wired/BT)
 ④ USB Type-C ⑤ Receiver Storage Area

- Stylish exterior design, 87-key layout, GASKET structure, PCB Single Key Slotting, delicate and soft hand feeling.
- Keycaps and mechanical switches are pluggable, and users can also purchase switches and personalized keycaps for free DIY.
- The keyboard is made of solid materials and the keys are responsive.
- Dual Adjustable Foot Support, Hidden Receiver Storage.
- Keyboard convenience design with Fn buttons to use shortcut key combinations.
- Return of rate(Wired/2.4G):1000HZ;Bluetooth:125Hz



① Switch to USB mode

② Remove the [USB Receiver] from the upper left corner slot of the keyboard.

③ Plug into your computer's USB port to use

Turn ON/OFF instructions



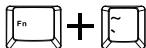
- Toggle the switch to the wired mode slot (at this point the USB is not linked to the keyboard), the keyboard shuts down and the built-in battery stops supplying power.

2.4G connection usage instructions



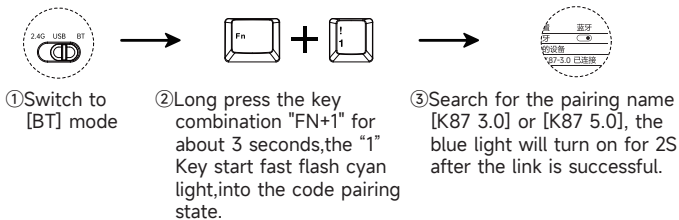
① Switch to [2.4G] mode ② Press the receiver compartment to remove the USB receiver

③ Plug into your computer's USB port to use

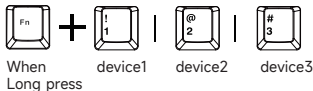


short press FN+`~ into 2.4G Mode

- Manual pairing: Long press the key combination "FN+~" for about 3 seconds, the "~"Key start fast flash cyan light, into the code pairing state, at this time,plug the USB receiver into the.



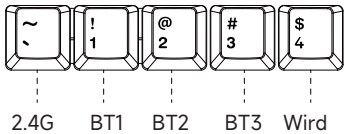
Quick Mode Switching with Key Combo:



- Bluetooth mode can connection of three devices.
- Short Press change to BT1/2/3.

Indicator light Description

- Press and hold FN to show:
Current link mode (2.4G, Bluetooth, wired)



Press the FN key, the corresponding mode key lights up white, release to restore the light effect.

FN+\ key combination to switch 17 light effects:				
Wave (Default Lighting)	Follow wave	F(x)	pinwheel	waterfalls
Flower	Game mode	Turn off	LIGHT	Breath
Rainbow	Burst	Rainy	Wave_2	Stars
Snow	River			

Backlight effect key combo adjustment

Fn +	I \	Switching light effect modes	Fn +	↓	Reduced light intensity
	Tab	Switching light color		←	Light speed down
	↑	Increased light brightness		→	Light speed up

- Use 10 different music rhythm RGB light effects with the driver.

Ambient light adjustment

Fn +	^L Shift	Toggle light modes (streaming/neon/always on/breathing/off)
	^L Ctrl	Switching the speed of the light bar light effect
	Z	Switching light colours (breathing and constant mode)
	B	Enter power mode (power display and charging light effect display)

Side light adjustment

Fn +	^R Shift	Toggle sidelight modes (streaming/neon/always on/breathing/off)
	^R Ctrl	Switching the speed of the sidelight light effect
	^R Alt	Switching sidelight brightness
	? /	Switching light colours (breathing and constant mode)

Operation system switching

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- FN+WIN(L)=Lock/Unlock WIN key (in WIN system, when locking WIN key indicator light is always on, WIN key can not be used)
- switch to MAC system mode, the position of WIN and ALT keys will be exchanged.(WIN button unlock)

Fn +	Q	Android system
	W	Windows system

Fn +	E	MAC OS

Shortcut Description

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Step 1: Switch the mode switch to the corresponding gear Step 2: Press "FN+1/2/3" to start matching the device.					
FN+	ESC	Long press for 3 seconds to restore factory settings	FN+	1	Bluetooth 1#
	~ `	Long press for 3 seconds, 2.4G matching		2	Bluetooth 2#
	WIN	Lock the WIN key, the WIN key can not be used when locked		3	Bluetooth 3#

- FN+ESC long press for three seconds = restore default state, connected Bluetooth devices will not be cleared.

FN+Q switch to Android system mode (Q key red light flashes 3S), F area single press function and F area FN combination function.

Key Position	Single press	FN key combo
F1	Screen brightness-	F1
F2	Screen brightness+	F2
F3	Convert window	F3
F4	Back to Desktop	F4
F5	Light Brightness-	F5
F6	Light Brightness+	F6

Key Position	Single press	FN key combo
F7	previous song	F7
F8	Play/Pause	F8
F9	next song	F9
F10	mute	F10
F11	Volume-	F11
F12	Volume+	F12

FN+W switch to WINDOWS system mode (W key red light flashes for 3s), F area single press function and F area FN combination function.

Key Position	Single press	FN key combo
F1	F1	desktop
F2	F2	mail
F3	F3	Convert window
F4	F4	Open Explorer
F5	F5	Light Brightness-
F6	F6	Light Brightness+

Key Position	Single press	FN key combo
F7	F7	previous song
F8	F8	Play/Pause
F9	F9	next song
F10	F10	mute
F11	F11	Volume-
F12	F12	Volume+

FN+E switch to MAC system mode (E key red light flashes 3S), F area single press function and F area FN combination function.

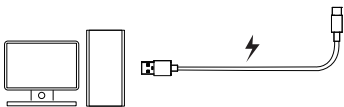
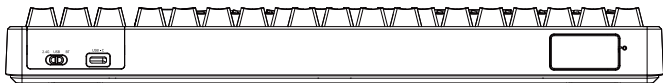
Key Position	Single press	FN key combo
F1	Screen brightness-	F1
F2	Screen brightness+	F2
F3	Convert window	F3
F4	Back to Desktop	F4
F5	Light Brightness-	F5
F6	Light Brightness+	F6

Key Position	Single press	FN key combo
F7	previous song	F7
F8	Play/Pause	F8
F9	next song	F9
F10	mute	F10
F11	Volume-	F11
F12	Volume+	F12



Intelligent Standby Mode Description

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- Bluetooth/2.4G mode automatically enters power-saving mode (lights off) after one minute without any operation, and wakes up the keyboard by clicking a key.



- Through the original USB cable to the keyboard and computer link, you can charge the keyboard, RGB Light Strip streaming light display when charging, long bright green means full charge
- In 2.4G/Bluetooth mode (without USB plugged in), press FN+B to use the RGB Light Strip for displaying the keyboard power level, green represents sufficient power, green gradually decreases as power is consumed, and low power is indicated in all red.
- TYPE-C connectivity for more reliable and stable performance.

  <p>Charging instructions</p>	<ol style="list-style-type: none">1. It is recommended to use only the computer USB port to charge the keyboard.2. Do not use fast-charging cell phone chargers to charge the keyboard.3. Do not use inferior non-standard power adapter to charge the keyboard.4. Do not use over-voltage and over-current power adapter to charge the keyboard.5. Please keep away from high temperature equipment when charging6. Please turn off the power switch if it is not used for a long time. <p>The above charging instructions also apply to other devices with charging function (keyboard/mouse/headphones/speakers, etc.)</p>
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- Number of keys: 87
- Total travel:4.0mm
- FN Mult-function key
- Size:366.78×142.91×42.85±1mm
- Weight:about 1000g(4000mAh)
about 1070g(8000mAh)
- Charging voltage, current:DC 5V \equiv 800mA
- Rated voltage: DC 3.7V(Fully charged 4.2V)
- Rated current:200mA @3.7V(Default Lighting) 20mA(all lights off)
- Charging interface: type-c interface
- Battery version

4000mAh	Approx. 20 hours (default light effect) Approx. 200 hours (all lights off)
8000mAh	Approx. 40 hours (default light effect) Approx. 400 hours (all lights off)

- Computer system requirements
Wired, 2.4G mode:Support WINDOWS ALL operating systems (XP, WIN7,WIN8,WIN10), under WIN95,WIN98 systems, drivers may be required.
Wired Mode/2.4G Receiver: Configured with USB version 1.1 or above interface.
Bluetooth Device Name "K87 3.0": WIN7 and lower systems
Bluetooth Device Name "K87 5.0": WIN8, WIN10 and above.
Bluetooth Mode: MAC computer with Bluetooth BT3.0,BLE4.0,BLE5.0 and above hardware, Android phone or tablet, IOS phone or tablet.
- Hardware connection
Wired USB/2.4G receiver supports hot-swapping (plug and play)



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