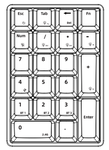
LEOBOG



K21 产品手册 中文

User manual
English

2.4G/蓝牙/有线三模
机械键盘

2.4G/Bluetooth/Wired three-mode
mechanical keyboard

产品特点

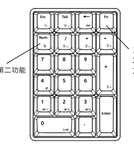
- 键盘用料扎实，按键反应灵敏。
- 键帽和键排背光，色彩均匀。
- FN+Tab组合键切换18 种灯效:随波逐流、潮水涟漪、流光溢彩、流光、点彩夺目、一触即发、隐雪无痕、按键涟漪、花开富贵、雨点灯效、旋转风暴、蛇形跑马、繁星点点、川流不息、斜拉变换、常亮、呼吸、随按即灭。
- FN+Num=关闭开启背光,FN+删除键=Del。
- Num单按切换到第二功能时:Esc=上一曲，Tab=播放/暂停，删除键=下一曲，FN=停止。
  有线模式配合驱动各键单自定义功能，宏定义。
- FN+0-2.4G通道广播时0键灯快闪,回连/连上常亮2S后熄灭，2.4G连接方法：按FN+0组合键之后,0键灯慢闪,然后长按3秒FN+0键灯快闪进入对码状态,此时插入接收器完成对码,0键灯亮2S,2.4G链接成功,注意:2.4G连接时先搜索再连接收器,出厂默认已对码。
- 蓝牙模式BT3.0("BT3.0 Keyboard")/BLE5.0(BT5.0KB)根据终端设备的蓝牙版本随机广播,可以连接3个设备:
  FN+1=蓝牙1 BLE3..0("BT3.0_1")/BLE5.2(BT5.2_1) 通道广播时2键灯快闪,
  回连/连上均亮2s
  FN+2=蓝牙2 BLE3..0("BT3.0_2")/BLE5.2(BT5.2_2) 通道广播时2键灯快闪,
  回连/连上均亮2s。
  FN+3=蓝牙3 BLE3..0("BT3.0_3")/BLE5.2(BT5.2_3) 通道广播时2键灯快闪,
  回连/连上均亮2s。
- Fn+4=有线模式闪烁2s。(键盘底部开关为电池拨动开关)。
- Fn+Esc长按三秒＝恢复默认。
- 低电压FN键闪灯提示,充电时常亮提示,充满电时fn键灭灭。
- 蓝牙/2.4G模式下二分钟无任何操作自动进入睡眠模式,单击按键唤醒键盘,十分钟进入深度休眠,查看键盘电量连接蓝牙可以在电脑上显示。
- 键盘刚补了需要切换成有线模式,刚充后重新插拔键盘线和键盘背面的开关重新开关。
- 内置600mAh容量锂电池可循环充电,单电源开关,环保节能,省心省钱,有效延长使用时间。
- Type C连接性更可靠,性能更稳定,充电更快。

标准版快捷键说明

FN+	ESC	Num	0	1	2	3	4
组合功能	恢复出厂设置	开启/关闭背光	2.4G模式	蓝牙设备1#	蓝牙设备2#	蓝牙设备3#	有线模式
FN+	Tab	Backspace	/	*	−	+	
组合功能	灯光模式切换	Del	灯光变慢	灯光变快	亮度减少	亮度增加	

- 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消除。

功能及指示灯说明



单按Num键切换第二功能
Num打灭时
Esc=上一曲
Tab=播放/暂停
删除键=下一曲

1.低电压灯闪
2.充电中灯常亮
3.充满灯灭 (Fn键下LED)

安装使用说明

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:配有USB 1.1或以上版本端口。
- 蓝牙模式"BT 3.0 Keyboard"设备名称:WIN7及以下系统。
- 蓝牙模式"BT 5.0 KB"设备名称: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)。
- 蓝牙模式切换到对应通道,对码连接蓝牙终端设备即可使用。

产品规格

- 产品尺寸:120.56(L)×82.56(W)×37.81(H)±0.5mm
- 产品重量:成品重量约195g,套件重量(不含轴体、键帽)约129.6g
- 额定电压:DC 3.7V(充满4.2V) 容量:600mAH 可充电锂电池
- 充电电压/电流:DC 5V ⎓ 650mA, 充满电约1小时。
- 额定电流:≦28mA @3.7V (默认灯效)/≦12mA(关背光)
- 续航时间:≧21小时（默认灯效）
  ≧50小时（关背光）

LEOBOG
合格证
QC 06

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、 请勿使用试图非标准源选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、 充电时指示灯亮，充满电后指示灯熄灭;
7、 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)

保修事项说明

尊敬的用户：

感谢您购买此产品！本质保卡是产品的三包凭证，由用户自己保存。
凭此质保卡您将享受为您提供的产品售后服务，此质保卡每个产品一份，遗失不补，敬请妥善保管。

一、凭此卡您将享受以下权利及服务：
1、退货服务：自产品售出之日起七日内，产品出现质量问题，根国家"三包服务"规定，在产品外观与包装完整的情况下，将产品退还给销售商或指定地点，凭购买时的有效凭证，退回您支付的产品货款。
2、保修服务：自购买日起12月内出现产品性能故障情况经由售后服务中心检测确定，可免费享受维修服务。

二、以下情况不属于免费服务范围：
1、超出规定的质保期限；
2、不能出示产品有效质保凭证或产品原序列号标签有涂改、替换、撕毁等现象的；
3、产品上没有序列号或质保凭证上的产品型号与产品实物不符的；
4、非正常使用、维护、保管所导致的故障和损坏；
5、非我公司授权的维修人员对产品维修、更改或拆卸而造成的故障或损坏；
6、意外事故或其他不可抗力造成的故障或损坏；
7、销售人员承诺的产品之外的服务及附加的配件或赠品不在本保修服务范围之列；
8、因电源、电压不稳而导致的故障或损坏。

用户保修卡

销售记录：

用户信息	用户(姓名/单位)	
	电话/E-mail	
	通讯地址及邮编	
销售信息	销售单位	
	销售单位地址	
	联系电话	邮政编码
	产品型号	
	销售商印章	销售日期

维修记录：

维修日期	维修单位	电 话	地 址

FCC STATEMENT :
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.
Warning: Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate theequipment.

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 towhich the receiver is connected.
Consult the dealer or an experienced radio/TV technician for help.

RF warning statement:
The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction.

soai 索艾电子

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广东省东莞市黄江镇长龙村华裕街 索艾产业园
执行标准：GB/T 14081-2010
Made in China

Charging instructions

1.It is recommended to use only the computer USB port to charge the keyboard.
2.please do not use fast-charging mobile phone chargers to charge the keyboard.
3.please do not use inferior non-standard power adapter to charge the keyboard.
4.please do not use over-voltage and over-current power adapter to charge the keyboard.
5.when charging, please keep away from high temperature equipment.
6.the indicator light is on when charging, the indicator light is off when fully charged.
7.please turn off the power switch when not in use for a long time.

The above charging instructions also apply to other devices with charging capabilities (keyboard/mouse/headphones/speakers, etc.)

Product features

- The keyboard is made of solid material and the keys are responsive.
- Keycap and slit backlighting, uniform color.
- FN+Tab key combination to switch 18 kinds of light effects: Follow the wave, drip ripples, flow of light, flow of light, point color eye-catching, a touch, stepping snow, key ripples, flower blossoms, running light effect, rotating storm, snake running, starry, flowing, diagonal change, always bright, breathing, with the press of the extinguished.
- FN+Num=turn off/on backlight, FN+delete key=Del.
- Num single press to switch to the second function: Esc=previous song, Tab=play/pause, delete key=next song, FN=stop.Wired mode with the driver each key with custom function, macro definition.
- FN + 0 = 2.4G channel broadcast when the 0 key light flashing, back to connect / connected to the light is always on 2S after extinguished, 2.4G connection method: after pressing the FN + 0 key combination, 0 key light slow flashing, and then long press 3 seconds FN + 0 key light flashing into the code state, then insert the receiver to complete the code, 0 key light 2S, 2.4G link successfully. Note: 2.4G connection first search before inserting the receiver. Factory default has been on the code.
- Bluetooth mode BT3.0 ("BT3.0 Keyboard") / BLE5.0 (BT5.0 KB) according to the terminal device's Bluetooth version random broadcast, can be connected to 3 devices:
  FN+1=Bluetooth1 BLE3..0 ("BT3.0_1")/BLE5.2 (BT5.2_1) 1 key light flashing fast when channel broadcast Back connected/connected both light up 2s
  FN+2=Bluetooth 2 BLE3..0 ("BT3.0_2")/BLE5.2 (BT5.2_2) 2 key light flashes when the channel is broadcasted. Back-connected/connected both light up for 2s.
  FN+3=Bluetooth 3 BLE3..0 ("BT3.0_3")/BLE5.2 (BT5.2_3) 3 key light flashes when channel is broadcast. Back connected/connected are on for 2s.
- Fn+4=wired mode flashing light 2s, (the switch at the bottom of the keyboard is the battery toggle switch).
- Fn+Esc long press for three seconds = restore default.
- Low voltage FN key flashing light prompt, constant light prompt when charging, Fn key light off when fully charged.

- Bluetooth/2.4G mode for two minutes without any operation automatically enter power saving mode, click the key to wake up the keyboard. Ten minutes into deep hibernation.
- Check the keyboard power connected to Bluetooth can be displayed on the computer.
- Keyboard brush patch need to switch to wired mode, brush after re-plugging the keyboard cable and the switch on the back of the keyboard to re-switch.
- Built-in 600mAh capacity lithium battery can be recharged cyclically with a power switch, environmental protection and energy saving, save energy and money, and effectively extend the battery life.
- Type C connectivity is more reliable, more stable performance and faster charging.

Product specification

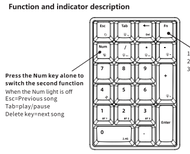
- Product size: 120.56(L)×82.56(W)×37.81(H)±0.5mm
- Product weight: Product weight about 195g, kit weight (without switches, keycap) about 129.6g
- Rated voltage: DC 3.7V (full 4.2V) Capacity: 600mAH rechargeable lithium battery
- Charging voltage/current: DC 5V ⎓ 650mA, Fully charged for about 1 hour.
- Rated current: ≦28mA @3.7V (default lighting effect) / ≦12mA (backlight off)
- Endurance : ≧21hours（Default light effect)
  : ≧50hours（Turn off the backlight)

Standard shortcut description

FN+	ESC	Num	0	1	2	3	4
combination function	Restore factory settings	Turn on/off backlight mode	2.4G mode	Bluetooth device 1#	Bluetooth device 2#	Bluetooth device 3#	Wired mode
FN+	Tab	Backspace	/	*	−	+	
combination function	Light mode switching	Del	Lights slow down	Lights get faster	Brightness reduction	Brightness increase	

- Press FN + ESC to restore the factory default lighting mode, and the original connected Bluetooth device will not be cleared after saving.

Function and indicator description



Press the Num key alone to switch the second function
When the Num light is off
Esc=Previous song
Tab=play/pause
Delete key=next song

1.Low voltage light flashes
2.Charging light is always on
3.Full light off (LED under Fn key)

Installation and use instructions

Computer system requirements:
- Wired mode: windows all operating system, Win XP, win7, win8, win10 (drivers may be required under Win95 and Win98 systems).
- Wired mode: USB port 1.1 or above is configured.
- Bluetooth mode "BT 3.0 keyboard" device name: win7 and below systems.
- Bluetooth mode "BT 5.0 KB" device name: win8, win10 and above systems.
- Bluetooth mode: Mac computer, Android mobile phone or tablet, IOS mobile phone or tablet with Bluetooth bt3.0, ble4.0, ble5.0 and above hardware.

Hardware connection.
- Wired USB supports hot plug (plug and play).
- When the Bluetooth mode is switched to the corresponding channel, it can be used by connecting the Bluetooth terminal device with the code.

Warranty description

Dear users
Thank you for purchasing this product! This warranty card is the product's three package certificate, kept by the user himself.
With this warranty card you will enjoy after-sales service for your products. Please keep it properly.

1. With this card, you will enjoy the following rights and services:
1.Return service: within seven days from the date of sale of the product, the product quality problems, according to the national "three package service" provisions
In the case of product appearance and packaging integrity, the product will be returned to the seller or the designated place, with the purchase of valid documents, returned to you to pay for the product.
With valid proof of purchase, return the product you paid for.
2.Warranty service: within 12 months from the date of purchase of the product performance failure situation through the after-sales service center testing to determine You can enjoy free repair services.

2. The following situations do not belong to the scope of free services:
1. Exceeding the stipulated warranty period;
2. Failure to show the valid product warranty certificate or the original serial number label of the product has been altered, replaced, torn, etc.;
3. There is no serial number on the product or the product model on the warranty certificate does not match the actual product;
4. Failure and damage caused by abnormal use, maintenance and storage;
5. Failure or damage caused by repair, replacement or disassembly of the product by maintenance personnel not authorized by our company;
6. Failure or damage caused by accident or other force majeure;
7. Services other than the products promised by the sales staff and additional accessories or gifts are not covered by this warranty service;
8. Failure or damage caused by unstable power and voltage.

User warranty card

Sales record:

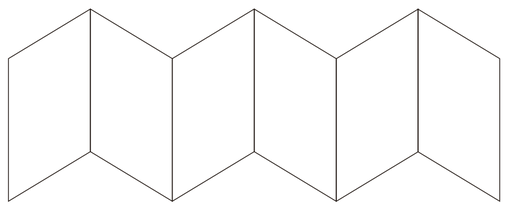
User information	User (name / unit)	
	Telephone/E-mail	
	Correspondence address and email	
Sales information	Sales unit	
	Sales unit address	
	contact number	Postal Code
	Product model	
	Seller's seal	Sales date

Maintenance record:

Maintenance date	Maintenance unit	Telephone	Address

FCC声明：
该设备符合FCC规则第15部分的规定。操作受以下两个条件约束：
（1）该设备可能不会造成有害干扰，并且
（2）该设备必须接受接收到的任何干扰，包括可能导致不希望的操作的干扰。
警告：未经合规负责方明确批准的更改或修改可能会使用户失去操作设备的权限。

注：根据美国联邦通信委员会规则第15部分的规定，该设备经过测试，符合B类数字设备的限制。这些限制旨在提供合理的保护，防止住宅安装中的有害干扰。该设备可产生使用并辐射射频能量，如果不按照说明安装和使用，可能会对无线电通信造成有害干扰。但是，不能保证在特定安装中不会发生干扰。如果该设备确实对无线电或电视接收造成有害干扰，可以通过关闭和打开设备来确定，则鼓励用户尝试通过以下一种或多种措施来纠正干扰：
重新定向或重新定位接收天线。
增加设备和接收器之间的间距。
将设备连接到与接收器连接的电路不同的电路上的插座。
请咨询经销商或有经验的收音机/电视技术人员以获得帮助。

射频警告声明：
已对该装置进行评估，以满足一般射频暴露要求。该设备可以在便携式暴露条件下使用，不受限制。

说明书
尺寸：80x95mm
材质：105克书写纸
印刷颜色：黑色