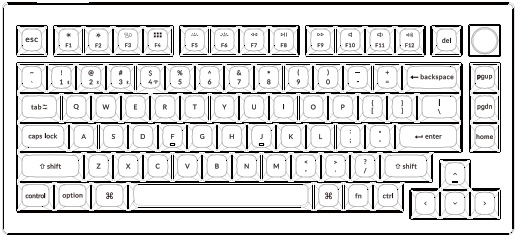
Keychron

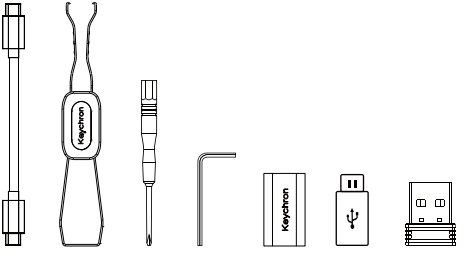
V1 Ultra 8K Wireless Mechanical Keyboard User Manual Knob Version

Fully Assembled Version

Keyboard
1x Fully Assembled Keyboard
Including
1x Case
1x PCB
1x PC Plate
1x Sound Absorbing Foam
1x PET Foam
1x EPDM Foam
1x PET Film
1x Case Foam
4 Sets x Stabilizers
1 Set x Keycaps (PBT Double-shot)
1 Set x Switches



Cable
1x Type-C Cable
1x Type-A to Type-C Adapter
1x Extension Adapter For Receiver

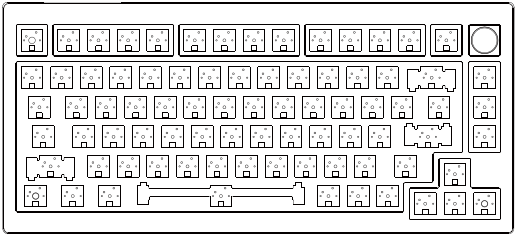


Receiver
1x Type-A 2.4GHz Receiver

Tools
1x Keycap & Switch Puller
1x Screwdriver
1x Hex Key

Barebone Version

Keyboard Kit
1x Keyboard Kit (Without Keycaps & Switches)
Including
1x Case
1x PCB
1x PC Plate
1x Sound Absorbing Foam
1x PET Foam
1x EPDM Foam
1x PET Film
1x Case Foam
4 Sets x Stabilizers



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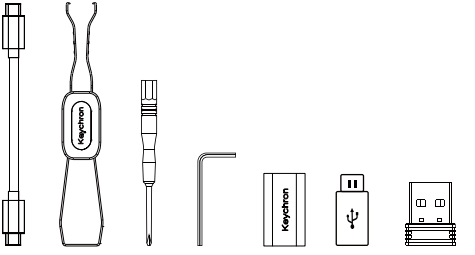
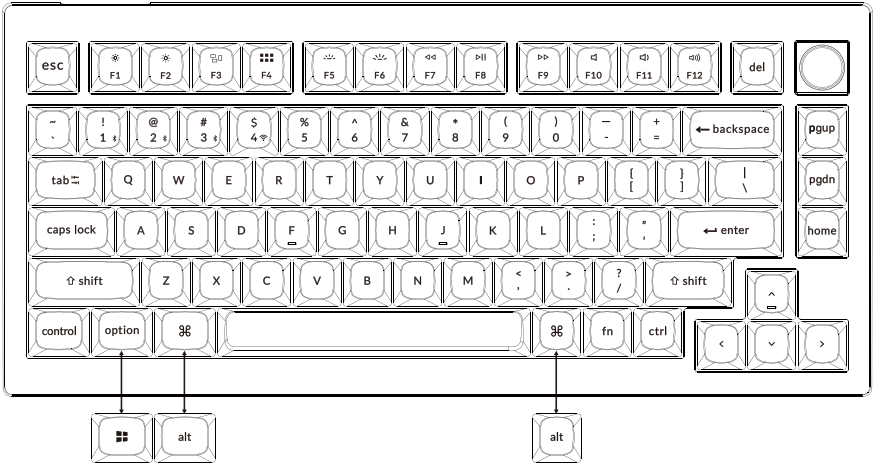


Quick Start Guide

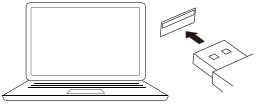
If you are a Windows user, please find the appropriate keycaps in the box, then follow the instructions below to find and replace the following keycaps.

Mac / Windows

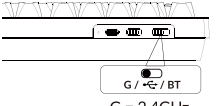


1 Connect 2.4GHz Receiver

Connect the 2.4GHz receiver to the device USB port.



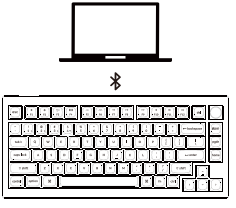
Switch toggle to 2.4GHz mode



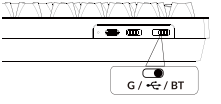
G = 2.4GHz

Note: For the best wireless experience, we recommend using the extension adapter for receiver and putting the 2.4GHz receiver somewhere on your desk close to your keyboard for a low rate of latency and fewer signal interferences.

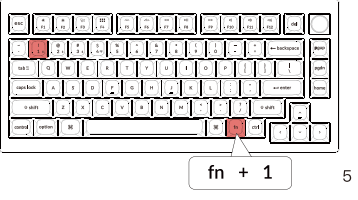
2 Connect Bluetooth



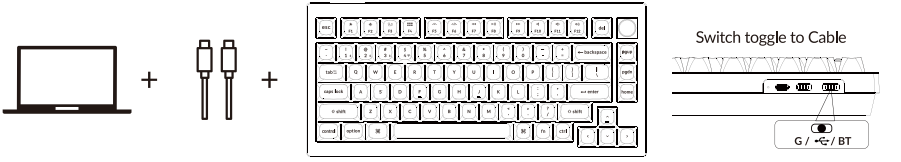
Switch toggle to Bluetooth



Press Fn + 1 (for 4 seconds) and pair with device named Keychron V1 Ultra 8K.

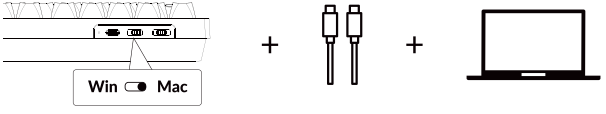


3 Connect Cable



4 Switch To The Right System

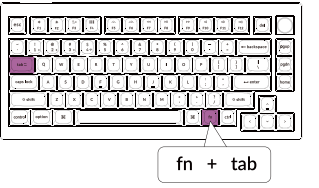
Please make sure the system toggle on the top left corner has been switched to the same system as your computer's operating system.



5 The Backlight

Press fn + Q to change the lighting effect

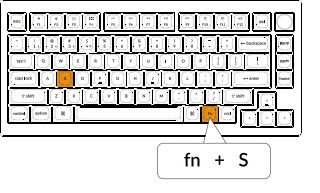
Press fn + tab to turn the backlight on/off



6 Adjust The Backlight Brightness

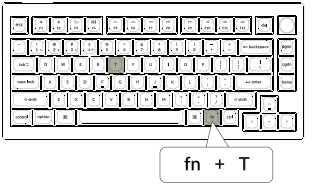
Press fn + W to increase the backlight brightness

Press fn + S to decrease the backlight brightness

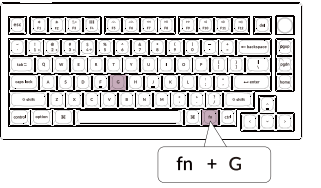


7 Adjust The Backlight Speed

Press fn + T to increase the light effect speed



Press fn + G to decrease the light effect speed



8 Warranty

The keyboard is highly customizable and easy to be rebuilt. If anything goes wrong with any of the keyboard components of keyboard during the warranty period, we will only replace the defective parts of the keyboard, not the whole keyboard.

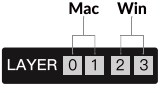
9 The Keychron Launcher App

Please visit launcher.keychron.com to use the online Launcher web app to remap the keys, create macro commands, or flash the firmware. If the Launcher cannot recognize your keyboard, please reach our support to get the instructions.

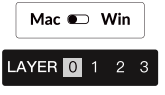
* The online Launcher can only run on the latest version of Chrome, Edge, and Opera browsers.

10 The Layers

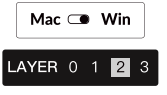
There are four layers of key settings on the keyboard. The layer 0 and layer 1 are for the Mac system. The layer 2 and layer 3 are for the Windows system.



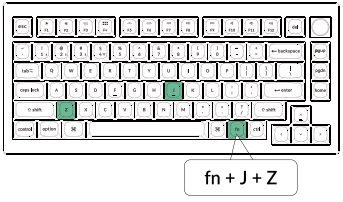
If your system toggle is switched to Mac, then the layer 0 will be activated.



If your system toggle is switched to Windows, then the layer 2 will be activated. Remember that if you are using it in Windows mode, please make changes to the layer 2 instead of the top layer (the layer 0). This is a common mistake people are making.



11 Factory Reset & Firmware Update



Troubleshooting? Don't know what's going on with the keyboard?

Factory reset your keyboard

1. Power on your keyboard.
2. Press and hold fn + J + Z (for 4 seconds). The keyboard backlight will flash in red quickly for 3 seconds, indicating that the keyboard has been reset.

Flash your keyboard firmware

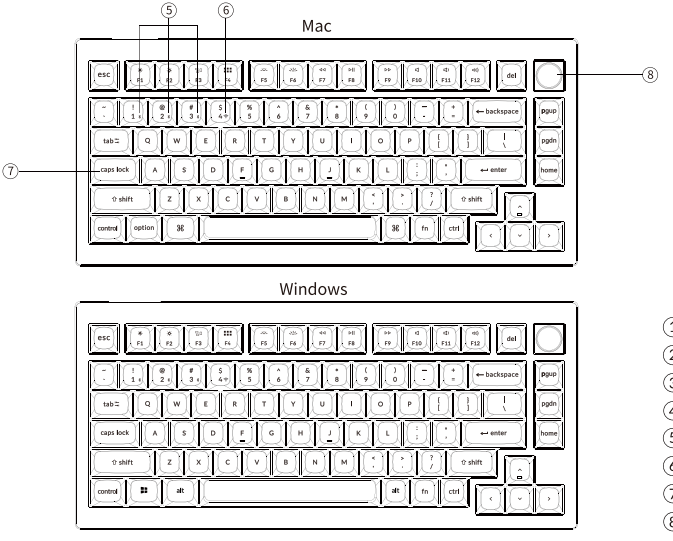
1. Visit launcher.keychron.com to open the online Launcher web app.
2. Ensure the keyboard is in Cable or Wired mode and plug in the power cable.
3. Find the 'Firmware Update' tab on the left side of the Launcher and connect your keyboard with it.
4. Follow the instructions on the Launcher and complete the firmware update.

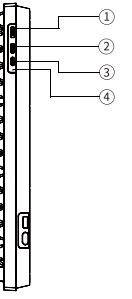
*Step-by-step guide, search the keyword "firmware" on keychron.com.

V1 ULTRA 8K WIRELESS MECHANICAL KEYBOARD SPECIFICATIONS

	Specifications
Layout	75%
Switch type	Mechanical
Width	148.7 mm
Length	328.5 mm
Front height	21.5 mm (without keycaps) 30.8 mm (with keycaps installed)
Back height	29.4 mm (without keycaps) 40.1 mm (with keycaps installed)
Keyboard feet height	2 mm
Angle	3.5 / 7.1 / 9.5 degree

V1 ULTRA 8K WIRELESS MECHANICAL KEYBOARD OVERVIEW

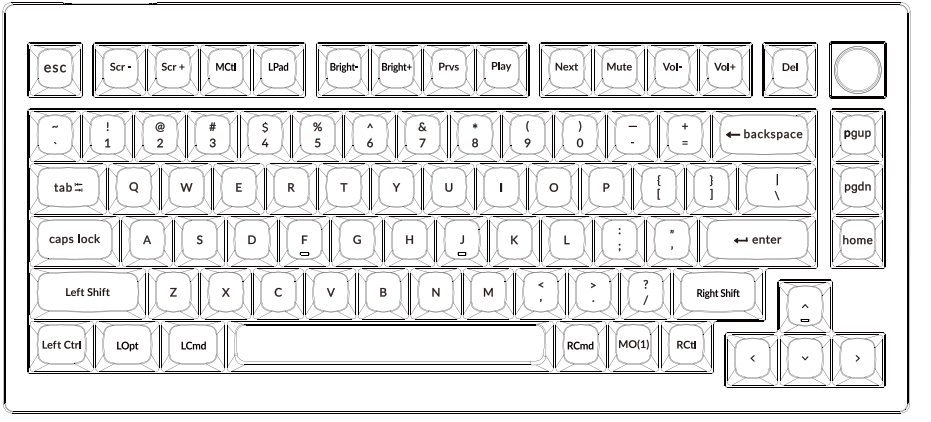




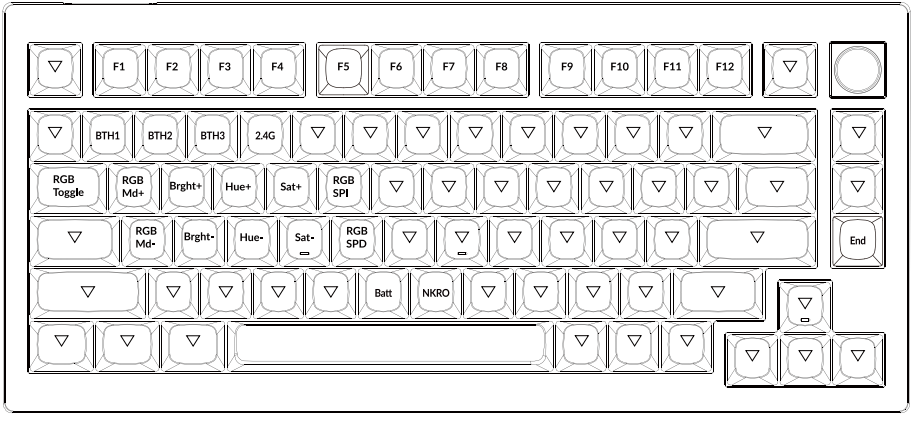
① 2.4 G Cable BT (Mode Toggle)
② Win/Android Mac/iOS (OS Toggle)
③ Type-C Port
④ Power Indicator
⑤ Bluetooth Channel Indicator
⑥ 2.4 GHz Channel Indicator
⑦ Caps Lock Indicator
⑧ Knob

DEFAULT KEY LAYOUT:

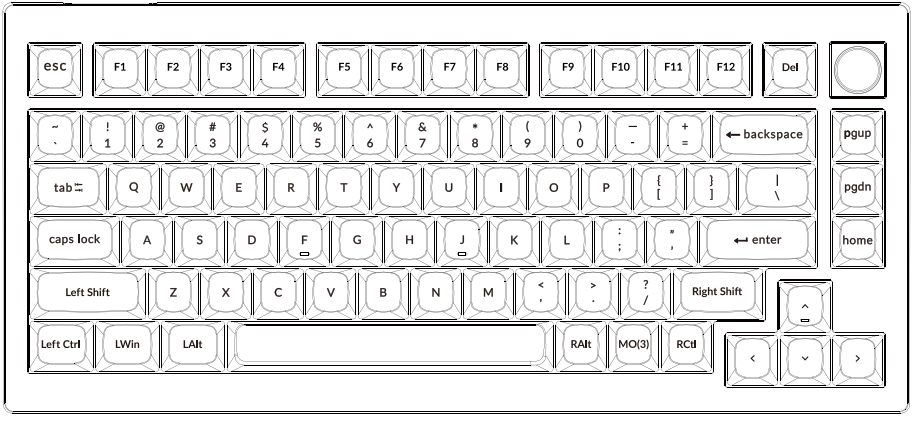
LAYER 0: This layer will be activated when your keyboard's system toggle is switched to Mac.



LAYER 1: This layer will be activated when your keyboard's system toggle is switched to Mac and press the fn/MO(1) key.

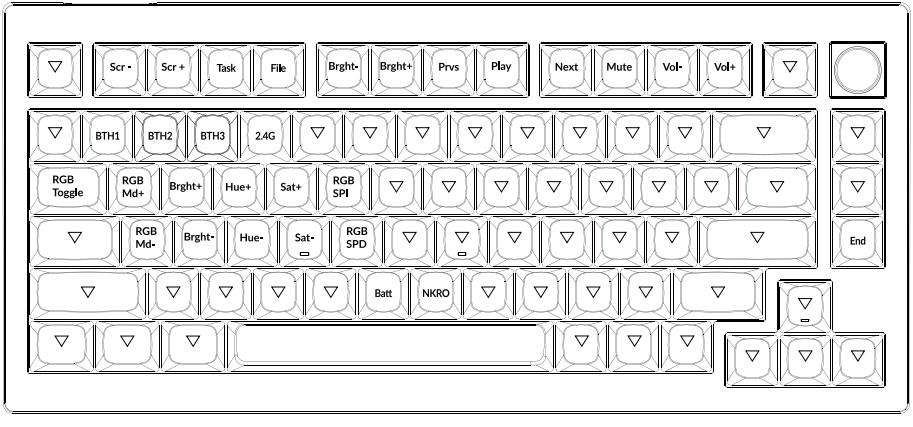


LAYER 2: This layer will be activated when your keyboard's system toggle is switched to Windows.



LWin = Left Windows LAlt = Left Alt RAlt = Right Alt RCtl = Right Ctrl

LAYER 3: This layer will be activated when your keyboard's system toggle is switched to Windows and press the fn/MO(3) key.



KEY DESCRIPTION

Key Description	
Scr-	Screen Brightness Decrease
Scr+	Screen Brightness Increase
Bright-	Backlight Decrease
Bright+	Backlight Increase
Prvs	Previous
Play	Play/Pause
Next	Next
Mute	Mute
Vol-	Volume Decrease
Vol+	Volume Increase
RGB Toggle	Turn Backlight on/off

Key Description	
RGB Md+	RGB Mode Next
RGB Md-	RGB Mode Previous
Hue+	Hue Increase
Hue-	Hue Decrease
RGB SPI	RGB Speed Increase
RGB SPD	RGB Speed Decrease
MO(1)	Layer 1 will be activated when holding this key
MO(3)	Layer 3 will be activated when holding this key
BTH1	Bluetooth Host 1
BTH2	Bluetooth Host 2
BTH3	Bluetooth Host 3

Key Description	
2.4G	2.4GHz Host
Reset	Reset The Keyboard
Batt	Battery Life
NKRO	N-key Rollover

LED STATUS OVERVIEW

Function	LED Location	Status
Charging	Power Indicator	Charging - Static Red Fully Charged - Static Green
Bluetooth / 2.4GHz	Bluetooth / 2.4GHz Channel Indicator	Reconnecting - Fast Blinking Paired - Light Off Pairing - Slow Blinking
Caps Lock	Caps Lock Indicator	Enable Caps Lock - Static White Disable Caps Lock - Light Off

FUNCTION DESCRIPTION:
CHARGING

Plug the cable into a USB port and plug the other end into the keyboard port. Power indicator: A red light will stay on while charging; Fully charged in around 5 hours, a green power indicator will appear.

*The V1 Ultra 8K keyboard is compatible with all USB ports. Please use a 5V 3A adapter or USB 3.0 for the best performance. The V1 Ultra 8K can be charged in 2.4 GHz/Cable/Bluetooth mode.
**This product supports up to 5V charging voltage. We are not responsible for any problems caused by improper charging.

2.4GHZ / BLUETOOTH / WIRED MODE (MODE TOGGLE)

2.4GHZ MODE

1. Connect the 2.4GHz receiver to your device's USB / Type-C Port.
2. Switch the toggle to the “G” option. Press "fn" + "4" on your keyboard for 4 seconds to activate the 2.4 GHz pairing status.The keyboard will automatically connect to your device.

FORCED PAIRING:

1. Remove the receiver from your device and switch the keyboard to 2.4 GHz option to activate the keyboard. The backlight will be opened.
2. Press “fn” + “4” on your keyboard for 4 seconds to activate the 2.4 GHz pairing status. Under this status, the 2.4 GHz indicator will flash for 3 minutes.
3. Reinsert the receiver into the device and then the keyboard starts to pair with the device. After successful pairing, the 2.4 GHz indicator will be off.

*Keep the keyboard within 20 cm of the receiver for optimal pairing.

BLUETOOTH MODE

1. Switch the toggle to the “BT” option.
2. Backlighting will be turned on.
3. Hold “fn+1” key for 4 seconds to activate Bluetooth pairing (the Bluetooth Channel Indicator fast flashes for 3 minutes to detect pairing).
4. Search for the Bluetooth device “Keychron V1 Ultra 8K” on your device and connect it (the Bluetooth Channel Indicator goes off after successful pairing).

Note: This keyboard supports pairing up to 3 devices simultaneously via key combination "fn" + "1" / "fn" + "2" / "fn" + "3".
**The Bluetooth Channel Indicator will continue to flash for 3 minutes.*
***Slow or failed connections may exist due to different Bluetooth versions, please make sure all the settings are correct.*

SWITCH BLUETOOTH DEVICES

Short press key combination "fn" + "1" / "fn" + "2" / "fn" + "3" to switch to other device.

RECONNECT

1. Switch the keyboard to the "BT" option to activate the keyboard.
2. The Bluetooth Channel Indicator flashes for 3 seconds and automatically pairs with the last paired device.
3. If the Bluetooth Channel Indicator is off, press any button to enter the connection again.

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

WIRED MODE

1. Switch the toggle to the " ⇜ " option (it only works when a USB cable is plugged in).
2. Connect our cable with your PC and keyboard.
3. Backlighting will be turned on.

*Under Wired Mode, keyboard will not enter into Battery Saver Mode.

DEFAULT REPORT RATE UNDER THREE MODES

Mode	Default Report Rate (Polling Rate)
2.4G	8000 Hz
Wired	8000 Hz
Bluetooth	133 Hz

TURN OFF THE KEYBOARD

Switch the keyboard to the " ⇜ " option and unplug the power cable.

BACKLIGHT SETTING

- Short press key combination "fn" + "tab" / "fn" + knob (press) to turn the backlight on/off.
- Short press key combination "fn" + "Q" / "fn" + "A" to switch between different types of lighting effects.

TROUBLESHOOTING

If unable to pair keyboard to device, confirm that the device you're trying to pair with is Bluetooth-capable. If so, restart the device and try pairing it with the keyboard again.

Note: On a Windows computer, a new Bluetooth connection will sometimes require additional software updates—a process that may still be ongoing after a message appears indicating a successful completion. Wait at least 20 minutes after pairing to make sure all updates are completed before restarting the computer.

Confirm that the device is configured to accept Bluetooth connections (Windows) and supports an external keyboard (HID profile).

Go to Bluetooth Devices > Open Settings and select the following:
Allow Bluetooth devices to find this computer
Allow Bluetooth devices to connect to this computer
Alert me when a Bluetooth device wants to connect

My keyboard isn't working in Bluetooth mode.
For the computer/smartphone:
Go to your device Bluetooth settings>Select the keyboard and remove/delete/unpair it.
Then restart your device.

For the keyboard:
Turn the keyboard off and back on. Then reconnect it to your device.

My keyboard isn't working in 2.4 GHz mode.
Ensure the toggle is set to 2.4 GHz, remove the receiver fromyour device, and press "fn" + "4" for 4 seconds to force pair, then reinsert the receiver into the devicte, keeping the keyboard within 20 cm of the receiver for optimal pairing.

Wireless connection is interrupted even within 10 meters.
Check if the keyboard is resting on a metal surface that can interfere with the wireless signal.

Third-party input tools are not compatible with the keyboard.
Due to compatibility, versions, brands and drivers of Windows/macOS, functionalities of third-party input tools may be affected while using the keyboard. Please make sure your operating system and drivers are up to date.

Certain multimedia keys or function keys do not work.
Functions of certain multimedia keys may be disabled due to compatibility, versions, brands, and drivers of devices.

*Multimedia keys:

Function keys: F1 / F2 / F3 / F4 / F5 / F6 / F7 / F8 / F9 / F10 / F11 / F12

Safety Precaution:
Keep the product, accessories and packaging parts out of the reach of children to prevent any accidents and choking hazards.
Always keep the product dry to avoid corrosion.
Do not expose the product to extreme temperatures below -10°C(14°F) or above 50°C(122°F) to preserve the lifespan of the keyboard.

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Designed by Keychron
Made in China

Keychron

V1 Ultra 8K 无线机械键盘用户手册 旋钮版本

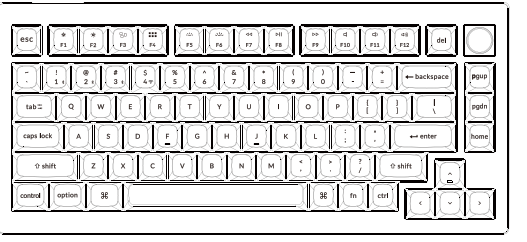
完全组装版本

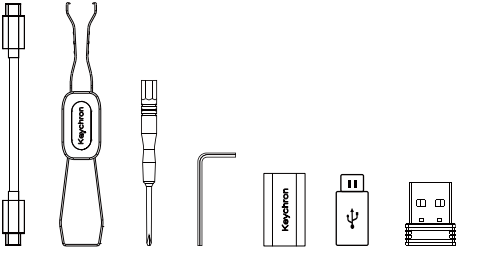
键盘
1x 已组装成品键盘
包含
1x 外壳
1x PCB
1x PC定位板
1x PCB与定位板夹心吸音泡棉
1x PET垫
1x EPDM泡棉
1x PET封音
1x 底部吸音泡棉
4套PCB卫星轴
1套键帽（PBT材质-双色注塑）
1套机械轴体

线材
1x Type-C 接口线材
1x Type-A to Type-C 转接头
1x 接收器延长器

接收器
1x Type-A 2.4GHz 接收器

工具
1x 拔轴键器
1x 十字螺丝刀
1x 内六角螺丝刀





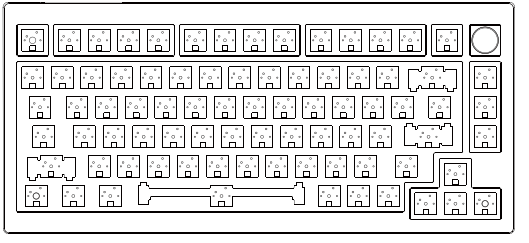
套件版本

键盘

1x 键盘本体（不包含键帽、轴体）

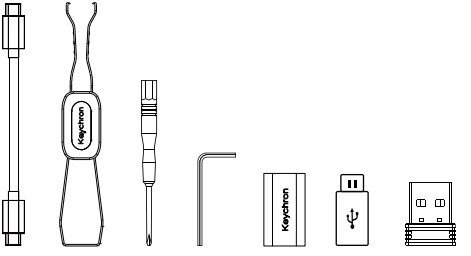
包含

1x 外壳
1x PCB
1x PC定位板
1x PCB与定位板夹心吸音泡棉
1x PET垫
1x EPDM泡棉
1x PET封音
1x 底部吸音泡棉
4套PCB卫星轴



线材

1x Type-C 接口线材
1x Type-A to Type-C 转接头
1x 接收器延长器



接收器

1x Type-A 2.4GHz 接收器

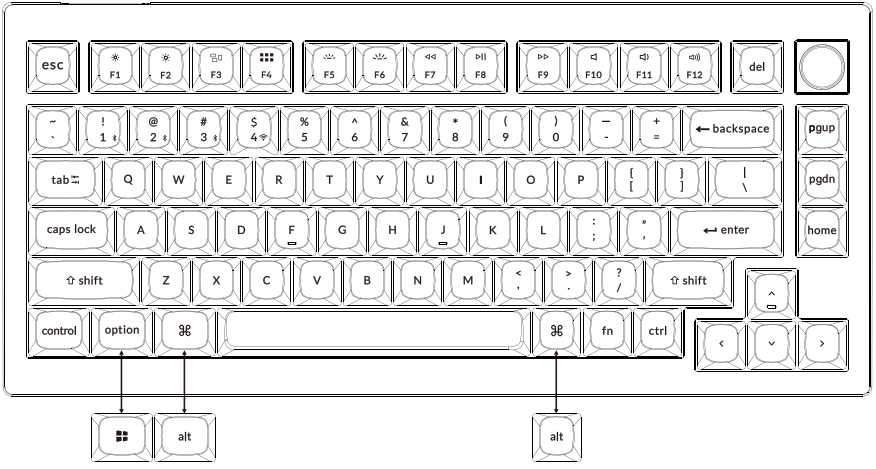
工具

1x 拔轴键器
1x 十字螺丝刀
1x 内六角螺丝刀

快速入门指南

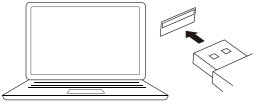
如果您是Windows用户，请在包装内中找到对应的键帽，然后按照下面的说明找到并替换以下键帽。

Mac / Windows

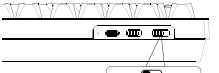


1、连接2.4GHz接收器

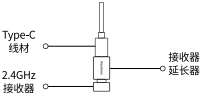
将2.4GHz接收器连接到设备USB端口。



把开关拨到2.4GHz模式

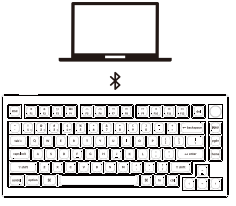


G = 2.4GHz

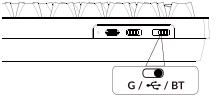


注意:为了获得最佳的无线体验,我们建议将2.4GHz接收器插入线材+赠送的接收器延长器,放置在书桌上靠近你的键盘,以降低延迟率和更少的干扰信号。

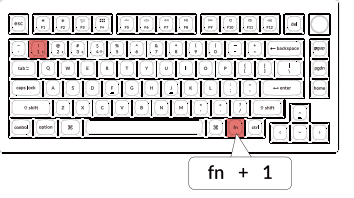
2、连接蓝牙



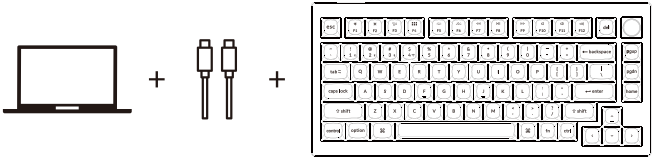
把开关拨到蓝牙模式



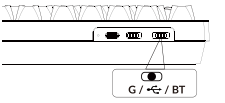
长按Fn+1四秒使键盘进入配对模式,
键盘的配对名为: Keychron V1 Ultra 8K。



3、连接有线

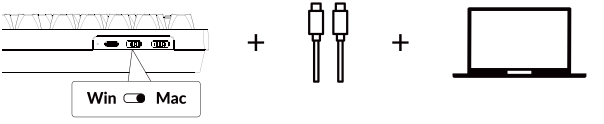


把开关拨到有线模式



4、系统切换

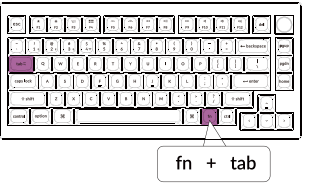
请确保键盘左上角的系统拨片切换到对应系统，
如果没有选择正确，
部分功能将无法使用。



5、更改键盘背光模式以及快速关闭/开启键盘背光

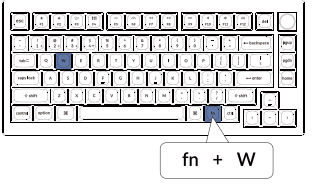
组合fn+Q键，更改键盘背光模式

组合fn+tab键，可快速关闭/开启键盘背光

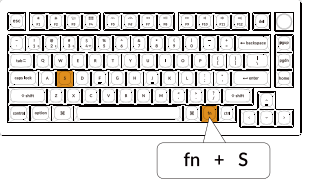


6、调整键盘背光亮度

组合fn+W键，提高键盘背光亮度

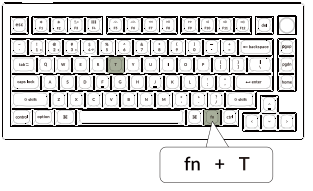


组合fn+S键，减少键盘背光亮度

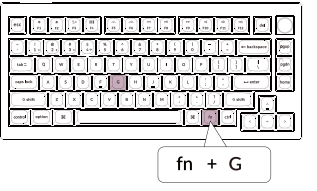


7 调整背光速度

组合fn+T键，增加光效速度。



组合fn+G键，降低光效速度。



8 保修

由于V1 Ultra 8K客制化键盘是可高度定制且易于组装的，
所以键盘的任何一个部件出了问题，
我们只会更换键盘有问题的部件而不是整个键盘。

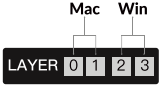
9 关于Keychron Launcher App

可以访问launcher.keychron.com 使用在线Launcher app。该软件可以映射按键，创建宏命令，或者刷新固件。如果Launcher app不能识别你的键盘，请联系我们以获得技术支持。

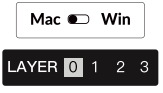
*在线Launcher app只能在最新版本的Chrome，Edge和Opera浏览器中运行。

10 关于键盘键层说明

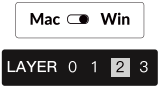
键盘有四层按键设置。
层0和层1是用于Mac系统。
层2和层3是用于Windows系统。



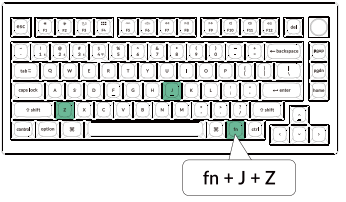
如果您的系统拨片切换到Mac档位，层0将被激活。



如果您的系统拨片切换到Windows，那么层2将被激活。
如果您在Windows系统模式下使用，请对层2进行更改，而不是层0。
否则无法进行按键映射操作。



11 恢复出厂模式&更新固件



如果键盘出现了故障，不知道怎么办？

恢复出厂设置

1.打开键盘（任意模式均可）。

2.按住 fn + J + Z（持续 4 秒）。键盘背光灯会呈红色快速闪烁 3 秒，表示键盘已重置。

刷新键盘固件

1.访问 launcher.keychron.com 打开在线 Launcher web app。

2.确保键盘处于Cable或者有线模式，并插入电源线。

3.在Launcher上找到“固件更新”选项，并将键盘与其连接。

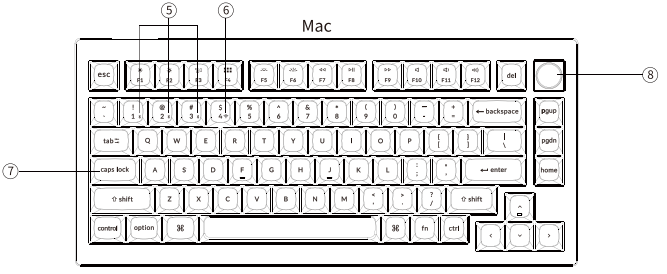
4.按照Launcher提示，完成固件更新。

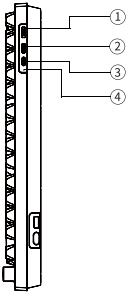
*在 keychron.com 上搜索关键字“Firmware”可以找到步骤指南。

V1 Ultra 8K 无线机械键盘规格

规格	
布局	75%
开关类型	机械轴体
宽度	148.7mm
长度	328.5mm
键盘下沿高度	21.5mm (不含键帽) / 30.8mm (含键帽高度)
键盘上沿高度	29.4mm (不含键帽) / 40.1mm (含键帽高度)
键盘脚垫高度	2mm
键盘倾斜角度	3.5° / 7.1° / 9.5°

V1 Ultra 8K 无线机械键盘概述

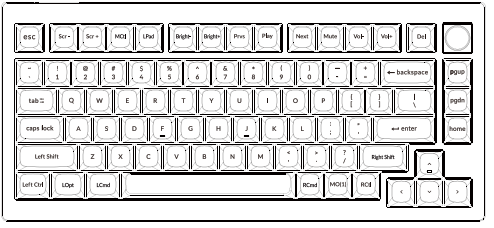




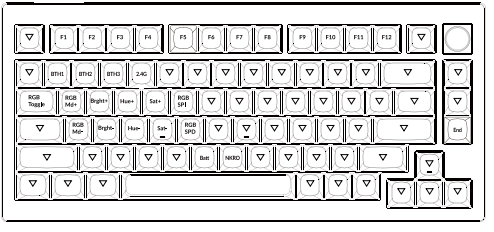
① 2.4 G 有线 BT连接模式切换
② Win/Android Mac/iOS (OS 切换开关)
③ Type-C 充电口
④ 充电指示灯
⑤ 蓝牙通道指示灯
⑥ 2.4GHz通道指示灯
⑦ 大小写指示灯
⑧ 旋钮

按键布局

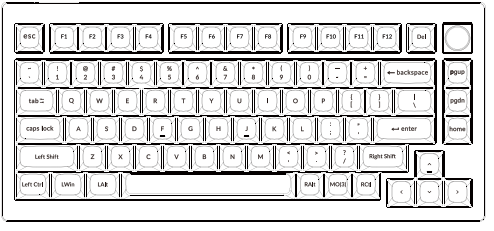
层0：当您的系统拨片切换到Mac档位的时候，层0将被激活使用。



层1：当您的系统拨片切换到Mac档位并组合fn/MO(1)键的时候，层1将被激活使用。

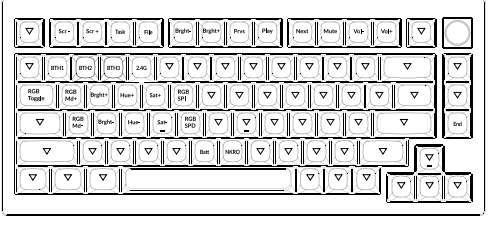


层2:当您的系统拨片切换到Windows档位的时候,层2将被激活使用。



LWin = Left Windows　LAlt = Left Alt　RAlt = Right Alt　RCtl = Right Ctrl

层3:当您的系统拨片切换到Windows档位并组合fn/MO(3)键的时候,层3将被激活使用。



V1 Ultra 8K 无线机械键盘多媒体按键说明

按键说明	
Scr-	屏幕亮度-
Scr+	屏幕亮度+
Bright-	键盘背光亮度-
Bright+	键盘背光亮度+
Prvs	上一曲
Play	播放/暂停
Next	下一曲
Mute	静音
Vol-	音量-
Vol+	音量+
RGB Toggle	关闭/开启键盘背光

按键说明	
RGB MD+	下一个RGB灯光模式
RGB MD-	上一个RGB灯光模式
Hue+	下一个灯光颜色
Hue-	上一个灯光颜色
RGB SPI	RGB灯光速度+
RGB SPD	RGB灯光速度-
MO(1)	按住MO(1)，层1将被激活
MO(3)	按住MO(3)，层3将被激活
BTH1	蓝牙连接设备 1
BTH2	蓝牙连接设备 2
BTH3	蓝牙连接设备 3

按键说明	
2.4G	2.4GHz连接设备
Reset	重置键盘
Batt	电池电量
NKRO	全键无冲

功能说明

LED状态显示如下：

功能	LED位置	状态
充电	充电指示灯	充电—红灯常亮 满电—绿灯常亮
蓝牙 / 2.4GHz	蓝牙 / 2.4GHz通道指示灯	快闪—回连 熄灭—连接成功 慢闪—配对
大小写	大小写状态指示灯	白灯—大写 熄灭—小写

充电

将电线插入USB端口，将另一端口插入键盘的端口。
充电指示灯：充电时，充电指示灯红灯长亮；在约5小时内完全充电，指示灯绿色长亮。
*V1 Ultra 8K键盘与所有USB端口兼容。要获得最佳信号和最快充电时间，建议采用USB3.0端口或5V-3A电源适配器。
*V1 Ultra 8K可在2.4GHz / 有线 / 蓝牙 模式下充电。
*有线模式下，充电指示灯不会熄灭。
*本产品最高支持5V充电电压。因不当充电而产生的问题，我们概不负责。

背光灯

- 短按组合键“fn+tab” / “fn+旋钮（按下）”可关闭/开启键盘背光。
- 短按组合键“fn+Q” / “fn+A”可切换背光效果。

2.4GHz / 蓝牙 / 有线模式

2.4GHz模式

1. 将键盘2.4GHz接收器连接至设备端口的USB接口。
2. 将键盘“模式切换”拨动到“G”位置（2.4GHz模式），长按"fn"+"4"组合键4秒激活2.4GHz配对，键盘将自动连接到您的设备。

强制配对

1. 拔出设备上的接收器，并将键盘模式开关拨动到2.4GHz位置启动键盘，键盘背光灯将打开。
2. 长按“fn+4”组合键4秒激活2.4GHz配对，2.4GHz指示灯闪烁3分钟。
3. 将接收器重新插入设备，接收器和键盘开始配对。配对成功后2.4GHz指示灯熄灭。

* 保持键盘和接收器在20cm范围内以获得最佳配对效果。

蓝牙模式

1. 将键盘 “模式切换” 拨动到 “BT” 位置。
2. 键盘背光灯将打开。
3. 长按 “fn+1” 键4秒激活蓝牙配对（蓝牙通道指示灯闪烁3分钟）。
4. 在你的装置上搜索蓝牙装置 “Keychron V1 Ultra 8K” 并连接它（配对成功后蓝牙通道指示灯熄灭）。

注意：此键盘支持通过组合键 “fn+1” / “fn+2” / “fn+3” 依次配对最多3台设备。

* 因蓝牙版本较多等原因，初次连接可能出现连接缓慢或连接失败等问题，请耐心检查设备设置是否正确。

切换至蓝牙装置

短按组合键 “fn+1” / “fn+2” / “fn+3” 切换到其他装置。

*切换过程可能会因切换频繁或切换速度过快，导致延迟，此时请耐心等待或重新切换。

回连

1. 将键盘切换到“BT”位置启动键盘。
2. 蓝牙通道指示灯快闪3秒，自动配对上一次配对的设备。
3. 如蓝牙通道指示灯熄灭，可按任何按键再次进入回连状态。

* 键盘必须曾经配对该装置才能实现此功能。

有线模式

1. 将键盘 “模式切换” 拨动到 “ ⇜ ” 位置（没插USB线的时候键盘无任何反应）。
2. 使用本产品USB Type-C线连接电脑即可使用。
3. 键盘背光灯将打开。

* 在有线模式下，键盘不会自动进入省电模式。

三种模式下的默认回报率

模式	默认回报率 (轮询率)
2.4GHz	8000 Hz
有线	8000 Hz
蓝牙	133 Hz

关闭键盘

将模式开关拨动到“ ”，拔掉电源线，此时键盘关闭所有模式。

疑难排解

我无法将键盘与我的设备配对蓝牙。

答：确认您要配对的设备可使用蓝牙。
重新启动设备并尝试再次与键盘配对。
注意：在Windows计算机上，新的蓝牙连接有时需要额外的软件更新 - 在出现表示成功完成的消息后，该过程可能仍在进行中。配对后至少等待20分钟，以确保在重新启动计算机之前完成所有更新。

确认设备配置可接受蓝牙连接（Windows）并支持外部键盘（HID配置文件）。

转到蓝牙装置>打开设置，然后选择以下复选框：
允许蓝牙设备找到这台电脑
允许蓝牙设备连接到这台电脑
当蓝牙设备想要连接时提醒我

我的键盘无法使用蓝牙。

答：请打开您的电脑/智能手机上的蓝牙设置>选择键盘并删除此设备/取消配对，然后重启您的设备；
关闭并重新打开键盘，然后重新连接到您的设备。

我的键盘无法使用2.4G。

请确保开关已切换至2.4GHz,从设备中拔出接收器,按住"fn"+"4"键4秒以强制配对,然后将接收器重新插入设备,确保在配对过程中键盘与接收器的距离不超过20厘米以获得最佳配对效果是。

2.4GHz / 蓝牙连接或在10米内受干扰。

答：检查键盘是否放在可能干扰无线信号的金属表面上。

第三方输入工具与键盘不兼容。
答：由于Windows/Android操作系统的兼容性、版本、品牌和驱动程序，使用键盘时，第三方输入工具可能会受到影响。请确保您的操作系统和驱动程序是最新的。

某些多媒体键或功能键在设备上不起作用。
答：由于设备的兼容性，系统版本，驱动程序等原因，某些多媒体键或者功能键可能无法使用。

*多媒体键：

功能键：F1 / F2 / F3 / F4 / F5 / F6 / F7 / F8 / F9 / F10 / F11 / F12

安全预防措施：
防止儿童接触到产品、附件和包装部件，以防止任何意外和窒息的危险。
保持产品干燥，避免腐蚀。
不要将产品暴露在低于-10°C（14°F）或高于50°C(122°F)的极端温度下，以保持键盘的寿命。

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