奇猿
QIRAPE

Ace 80

使用手册、售后卡

User manual, after-sales card

包装内清单
List inside the package

键盘本体/配件盒/说明书/售后卡
Keyboard/accessory box/manual/after-sales card

配件盒清单
List of accessory boxes

备用轴体（3颗）/数据线/拔轴拔键器/十字螺丝刀/内六角螺丝刀
Backup keycaps (3 pieces) / Data cable / Key remover/
Cross-head screwdriver / Hexagonal screwdriver

AI87 快捷键与功能说明书

AI87 Shortcut Keys and Function Manual

01 系统媒体键 System Media Key

组合键 Combination key	功能/Function	说明/Explanation
Fn+F1	屏幕亮度降低 Screen brightness reduction	系统亮度降低 System brightness reduction
Fn+F2	屏幕亮度提高 Increase the screen brightness	系统亮度提高 System brightness increased
Fn+F3	Windows 任务视图 Windows Task View	Windows：Win+Tab
Fn+F4	显示桌面 Show Desktop	Windows：Win+D
Fn+F5	浏览器后退 Browser Backward Navigation	发送 Web Back Send Web Back
Fn+F6	浏览器/系统搜索 Browser/System Search	发送 Web Search Send Web Search
Fn+F7	上一曲 The previous song	媒体上一曲 A piece of music in the media
Fn+F8	播放/暂停 Play/Pause	媒体播放/暂停 Media playback / pause
Fn+F9	下一曲 The next song	媒体下一曲 The next song by the media
Fn+F10	静音 Mute	系统静音/取消静音 System mute / unmute
Fn+F11	音量降低 Reduce the volume	系统音量降低 System volume has been reduced
Fn+F12	音量提高 Increase the volume	系统音量提高 System volume has been increased

02 灯光控制
Lighting control

组合键 Combination key	功能/Function	备注/Note
Fn+SPC(空格)	RGB 开/关 RGB On/Off	灯效开关 Light effect switch
Fn+Z	下一灯效 Next light effect	RGB 模式向后切换 RGB mode switch back
Fn+X	上一灯效 Light up effect	RGB 模式向前切换 RGB mode switch forward
Fn+C	灯效速度提高 Lamp effect speed increase	加快当前 RGB 动画速度 Speed up the current RGB animation
Fn+V	灯效速度降低 Reduces light effect speed	减慢当前 RGB 动画速度 Slows down the current RGB animation
Fn+A	亮度提高 Brightness increase	提高 RGB 亮度 Increase RGB brightness
Fn+S	亮度降低 Dimming of brightness	降低 RGB 亮度 Reduce RGB brightness
Fn+D	饱和度增加 Saturation increase	提高当前灯效颜色饱和度 Increase current lamp color saturation
Fn+F	饱和度降低 Saturation reduction	降低当前灯效颜色饱和度 Reduce current lamp color saturation
Fn+G	色相增加 Hue increase	增加当前灯效色相 Increases the current lamp hue
Fn+H	色相降低 Hue reduction	降低当前灯效色相 Reduce current lamp hue

03 FN 组合按键
FN key combination

组合键 Combination key	功能/Function	说明/Explanation
Fn+Q	BT1	短按切换到 BLE 1 回连模式(对应灯珠绿色慢闪)；长按 3 秒进 Tap to switch to BLE 1 connect mode (green slow blinking); long press for 3 seconds to enter
Fn+W	BT2	实现方式同 BT1 一致 Is implemented with BT1
Fn+E	BT3	实现方式同 BT1 一致 Is implemented with BT1
Fn+R	2.4G	实现方式同 BT1 一致 Is implemented with BT1
Fn+N	NKRO 切换 NKRO Switch	切换全键无冲状态 Toggle full key no flush state
Fn+左 Win Fn+Left Win	锁定/解锁 Win Lock/Unlock Win	切换 Win 键锁定状态，锁定时 Win 键不可用 Switch the Win key to the locked state. When locked, the Win key will be unavailable

注：切换无线状态时，需要拨档开关处于无线模式。如果在有线模式档位，无线模式切换快捷键将不会生效

Note: When switching wireless state, the dial switch should be in wireless mode. If you are in wired mode, the wireless mode switch shortcut will not work

04 灯光指示状态
Lights indicate state

指示状态 Indication status	灯光表现/Lighting performance	说明/Explanation
配对中 In pairs	对应模式键蓝色快闪 The key pattern blue flash	BLE1/2/3 或 2.4G 正在等待配对 BLE1/2/3 or 2.4G is waiting to pair
回连中 Backlinking	对应模式键绿色慢闪 The key pattern green slow flash	正在尝试连接已绑定主机或接收器 Trying to connect to a bound host or sink
连接成功 Successful connection	对应模式键绿色常亮 2 秒 The key pattern green normally on for 2 seconds	BLE、2.4G 或 USB 建立连接后提示 Prompt after BLE, 2.4G or USB connection is established
低电预警 Low power warning	Esc 红色慢闪 Esc red slow flash	无线模式且电量低于 10% 时触发，插上 usb 充电停止提示 Wireless mode and power is lower than 10% when triggered, usb charging stop tip
充电提示 Charging tips	Esc 绿色常亮 Esc Green on	绿色常亮表示充电，充满恢复正常灯效 Green said normally on charging, full of normal lighting effects
Caps Lock	Caps 对应灯白色常亮 The Caps light is always white	大写锁定状态指示 Capital Lock State Indicator
Win 锁定 Win Lock	Win 键对应灯白色常亮 Light white Win key normally on	Win 键被锁定 The Win key is locked
NKRO 指示灯 Indicator light	N 键对应的灯白色常亮 The light corresponding to the N key is always white	开启全键无冲 Open the key no rush

Scroll 指示灯 Indicator light	Scroll 键对应的灯白色常亮 Scroll key corresponding light is always white	开启键盘的滚动锁定功能 Enable the scroll lock function of the keyboard
恢复出厂设置 Factory data reset	整板红灯闪烁 3 次 The red light blinked 3 times	长按 ESC+LShift+RShift 触发恢复流程前的提示 Long press ESC+LShift+RShift to trigger the prompt before the recovery process

05 电源管理
Power management

项目/Project	说明/Explanation
连接方式 Connection method	支持 USB、2.4G 接收器、BLE 三种连接方式；同一时间只使用一种输出模式 Support USB, 2.4G receiver, BLE three connection mode; Use only one output mode at a time
低电阈值 Low threshold	无线模式，未插 USB 且电量低于 10% 时，Esc 键红色闪烁提醒 Wireless mode, not advanced USB power less than 10%, the Esc red flashing warning
充电提示 Charging tips	充电时 Esc 键绿灯常亮，充满恢复正常灯效 Normally on charging Esc, full of normal lighting effects
深度睡眠 Deep sleep	无操作 60 分钟后进入更深低功耗状态；按键或触摸条可唤醒 After 60 minutes of no operation, it entered a deeper low-power state. Article key or touch to wake up
RGB 空闲关闭 RGB idle off	无操作 5 分钟后关闭 RGB 灯效以降低功耗 Turn off RGB light effect after 5 minutes without operation to reduce power consumption

06 模式设定及配对
Mode setting and pairing

流程/Process	操作说明/Operation Instructions
BLE 配对 BLE pairing	选择 Fn+Q/Fn+W/Fn+E 中的一个槽位并长按 3 秒，在电脑或移动设备蓝牙列表中连接对应设备 Select a slot in Fn+Q/Fn+W/Fn+E and hold for 3 seconds to connect the corresponding device in the Bluetooth list of the computer or mobile device
2.4G 配对 2.4G pairing	先长按 Fn+R 3 秒，然后再插入 2.4G 接收器，等待键盘与接收器完成配对 First, long press Fn+R for 3 seconds, then insert the 2.4G receiver and wait for the keyboard to pair with the receiver
配对/回连超时 Pairing/reverting time out	配对窗口和回连窗口均为 60 秒；超时后停止无线会话并请求进入低功耗 Matching window and back to the window for 60 seconds; Timeout after stop into low power wireless session and request
模式切换开关 Mode switch	带无线允许开关：开关拨到右边时，键盘切换到 USB 模式；拨到左边时，切换到无线模式，恢复成上次连接的无线模式 Wireless allows switch: switch to the right, keyboard switch to USB mode; When you dial left, switch to wireless mode and revert to the last time you connected
配对中断 Pairing interruption	配对过程中按任意模式键，会取消当前配对并切换到新的目标模式 Pressing any mode key during pairing will cancel the current pairing and switch to the new target mode

注：在无线模式时(包括蓝牙和 2.4g 模式)，键盘和电脑主机或者接收器的距离尽量不要超过 50cm，如果显示连接失败，重新连接即可。

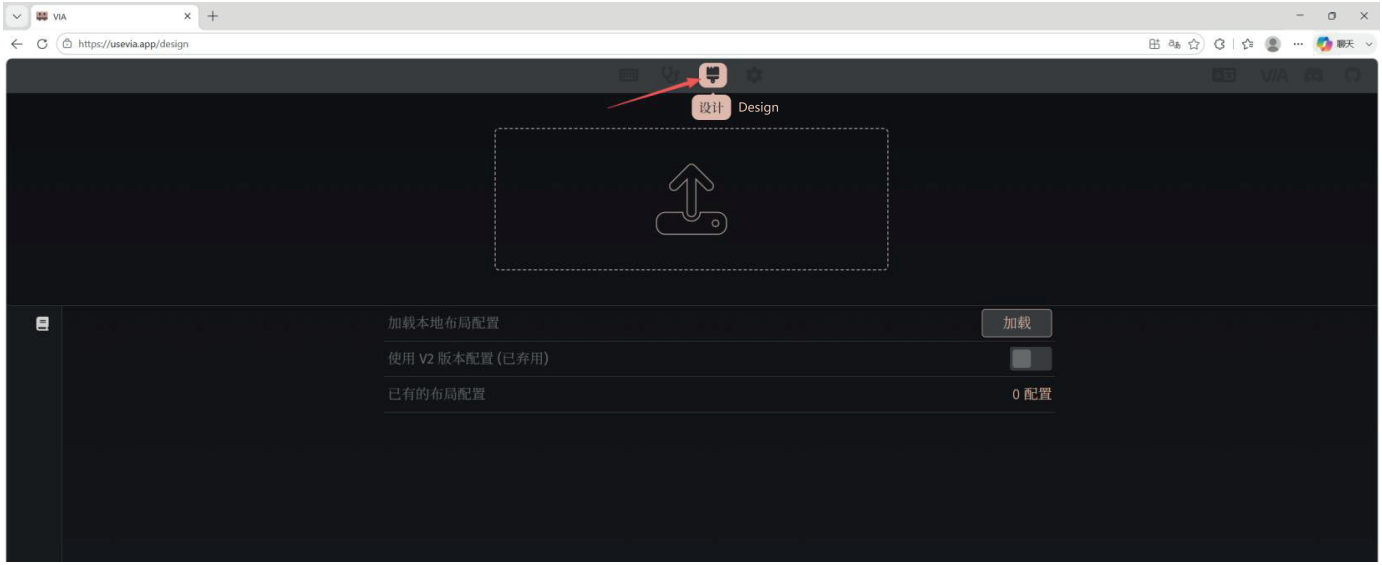
Note: In wireless mode (including Bluetooth and 2.4g mode), the distance between the keyboard and the computer host or receiver should not exceed 50cm. If the connection fails, reconnect.

07 触摸条功能说明
Touch bar function description

操作/Operatic	说明/Explanation
左滑/Swipe left	音量减小/Volume reduction
右滑/Swipe rig	音量增大/Volume Up
按下中间点 Press the middle point	静音或开启声音/Mute or open voice

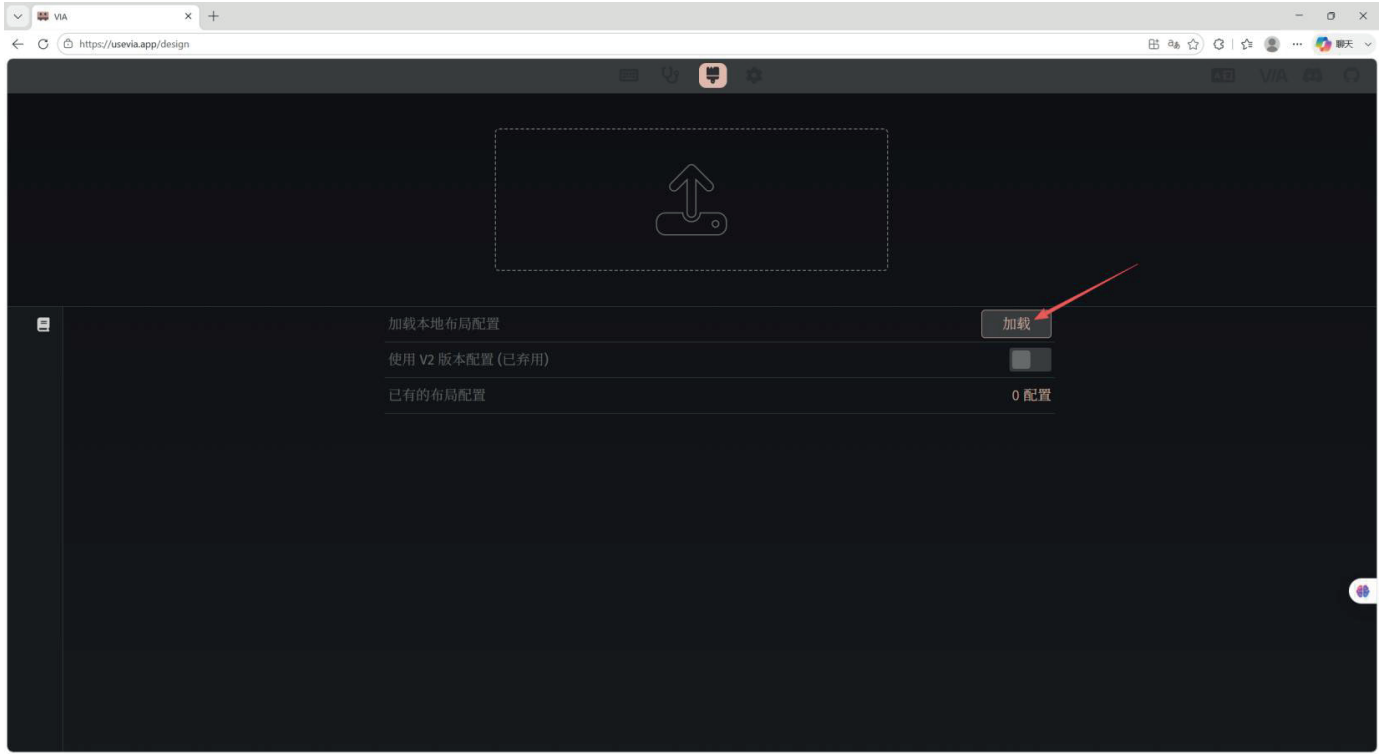
1. 使用浏览器打开 https://usevia.app/design 网页
   Open your browser to https://usevia.app/design

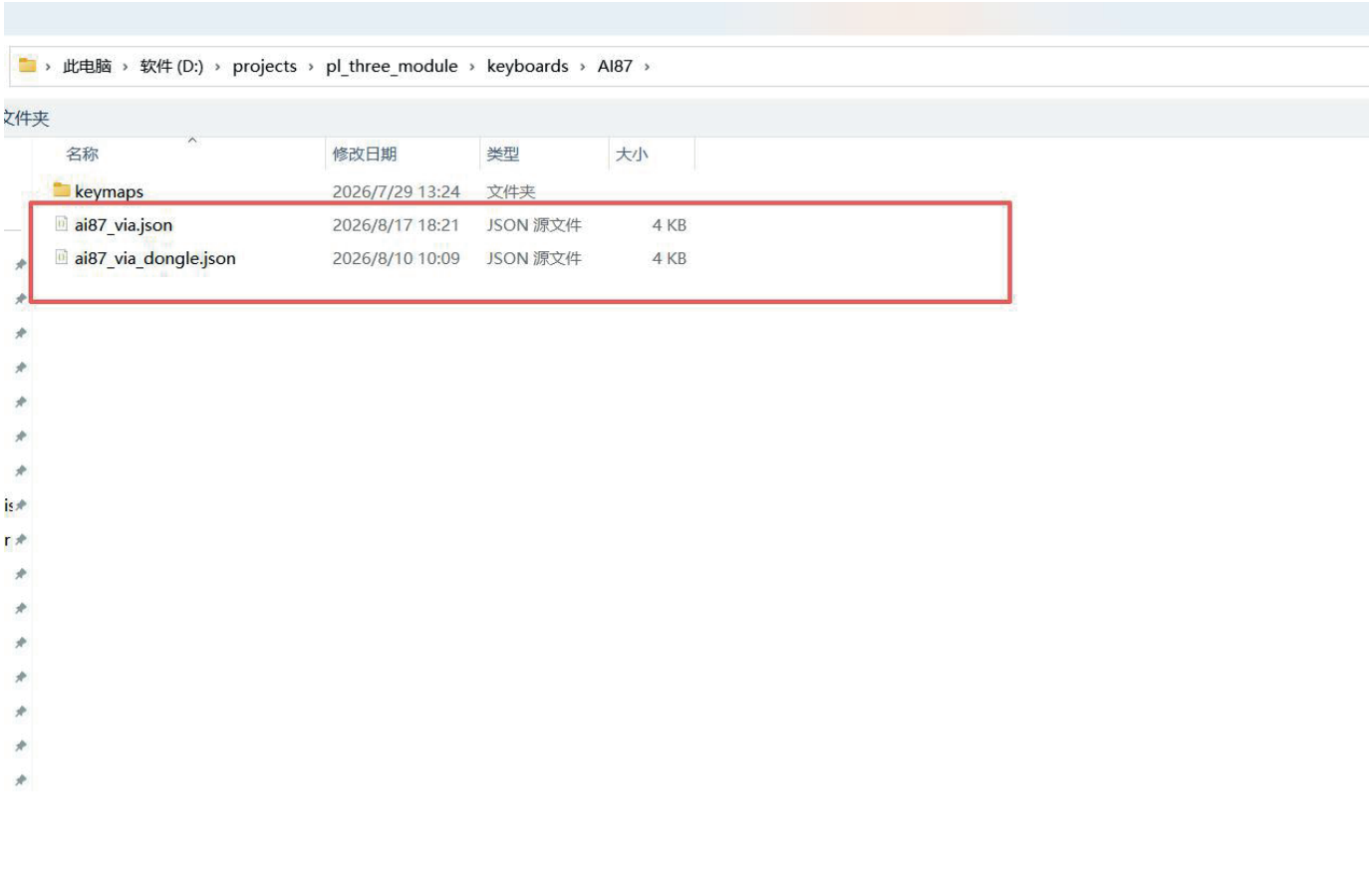
2. 点击设计图案
   Click on the design



3. 再点击加载按钮导入对应的 json 文件

Click the Load button to import the json file



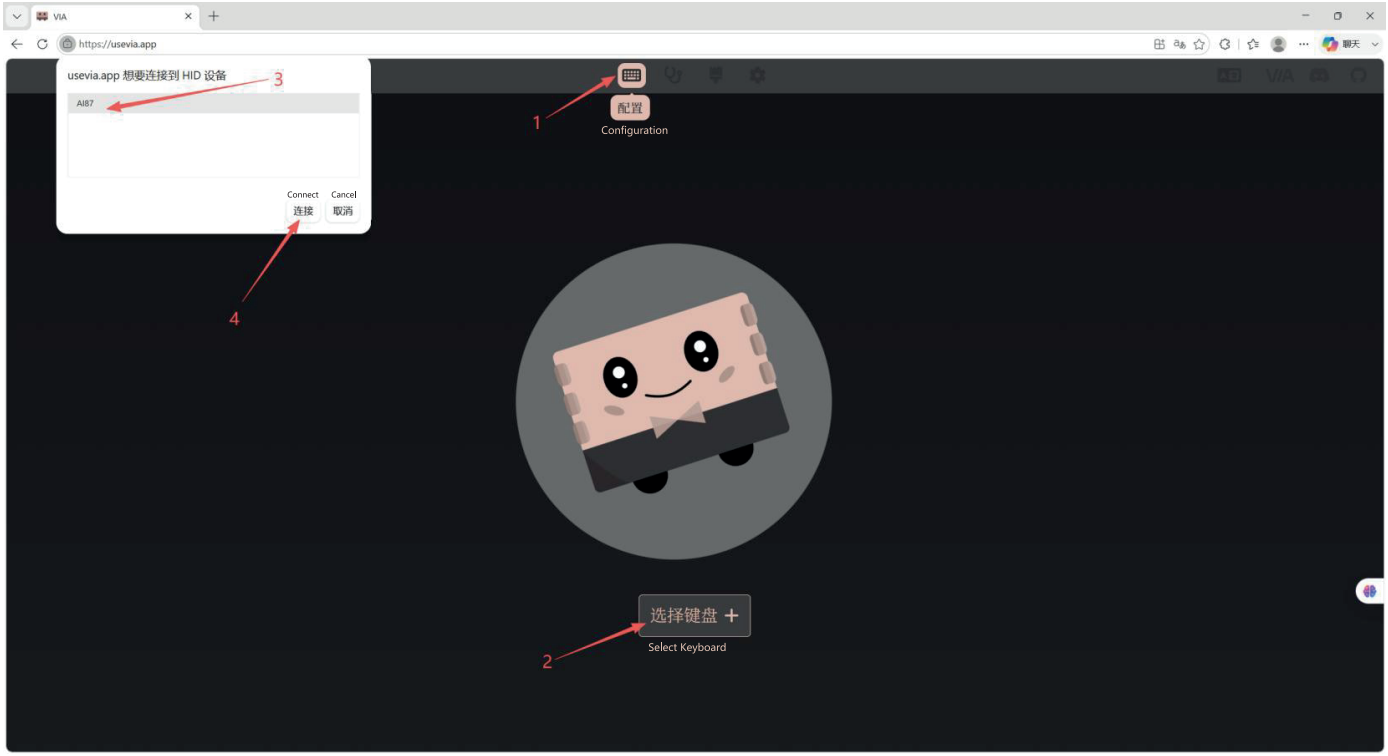

此电脑 › 软件 (D:) › projects › pl_three_module › keyboards › AI87 ›
文件夹
名称
修改日期
类型
大小
keymaps
2026/7/29 13:24
文件夹
ai87_via.json
2026/8/17 18:21
JSON 源文件
4 KB
ai87_via_dongle.json
2026/8/10 10:09
JSON 源文件
4 KB

导入完成之后会显示出两个对应的设备，就表示导入成功。如下图：

After the import is complete will show two corresponding equipment, imported successfully. As shown below:



4. 按照顺序一次点击配置图案，然后点击选择键盘按键，点击对应的键盘那，然后连接即可。
Click the configuration pattern in order, then click the select keyboard button, click the corresponding keyboard, and then connect.

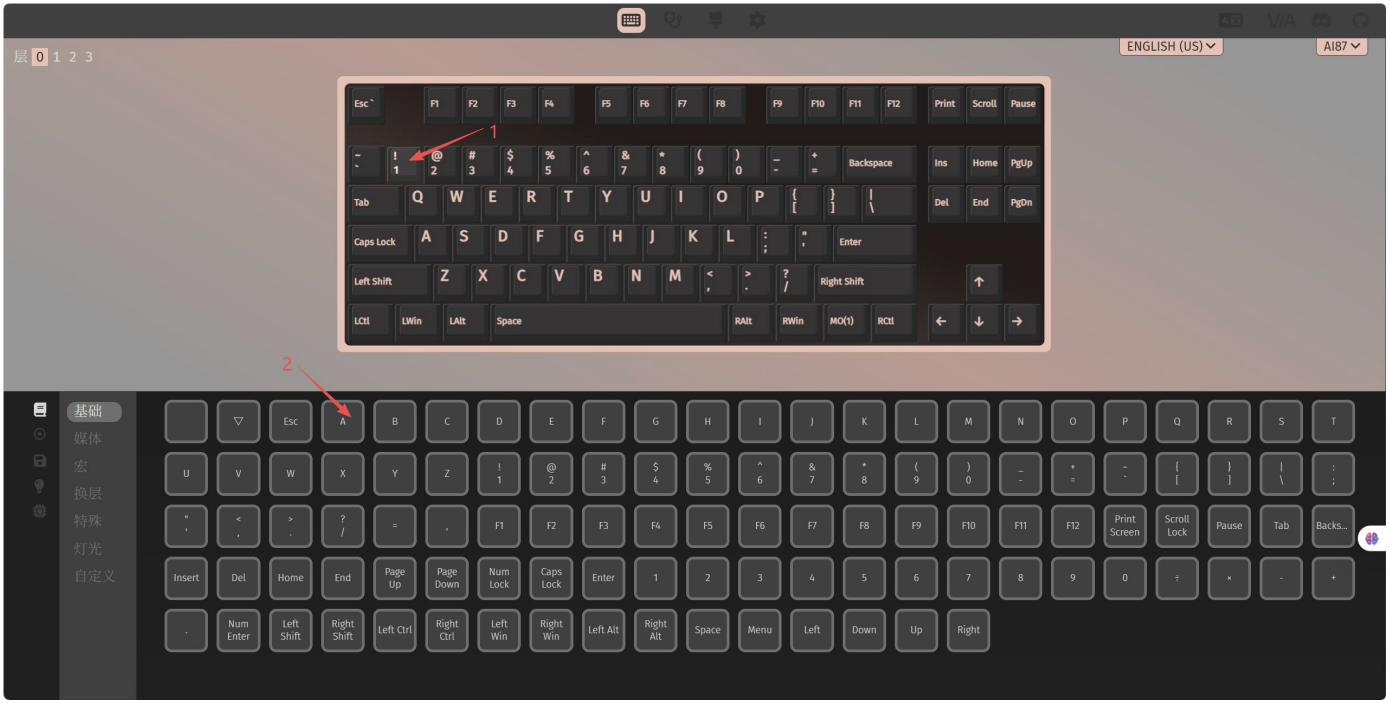


5. 改键方法说明:
Change key method:



例如，要将数字 1 键修改成字母 A 键，依次点击下图箭头指向的 1 键和 A 键即可修改成功：

For example, to change the number 1 key to the letter A, click the 1 key and then the A key:




层 0 1 2 3
ENGLISH (US)
AI87
基础
媒体
宏
换层
特殊
灯光
自定义

6. 点击图中数字 1 的地方，显示的则是 Fn 组合键对应的按键功能，可也以自行修改。
Number 1, click on the picture show is the Fn key combination corresponding keys function, can also modify itself.



7. 宏按键使用说明：
(宏按键是将一组连续的按键操作预先保存，并通过一个按键一次性执行的功能。例如，可将 Ctrl+C、Ctrl+V、Alt+Tab 或一段常用文字设置为宏，按下宏按键后，键盘会按照预设顺序自动发送相应的按键操作。)

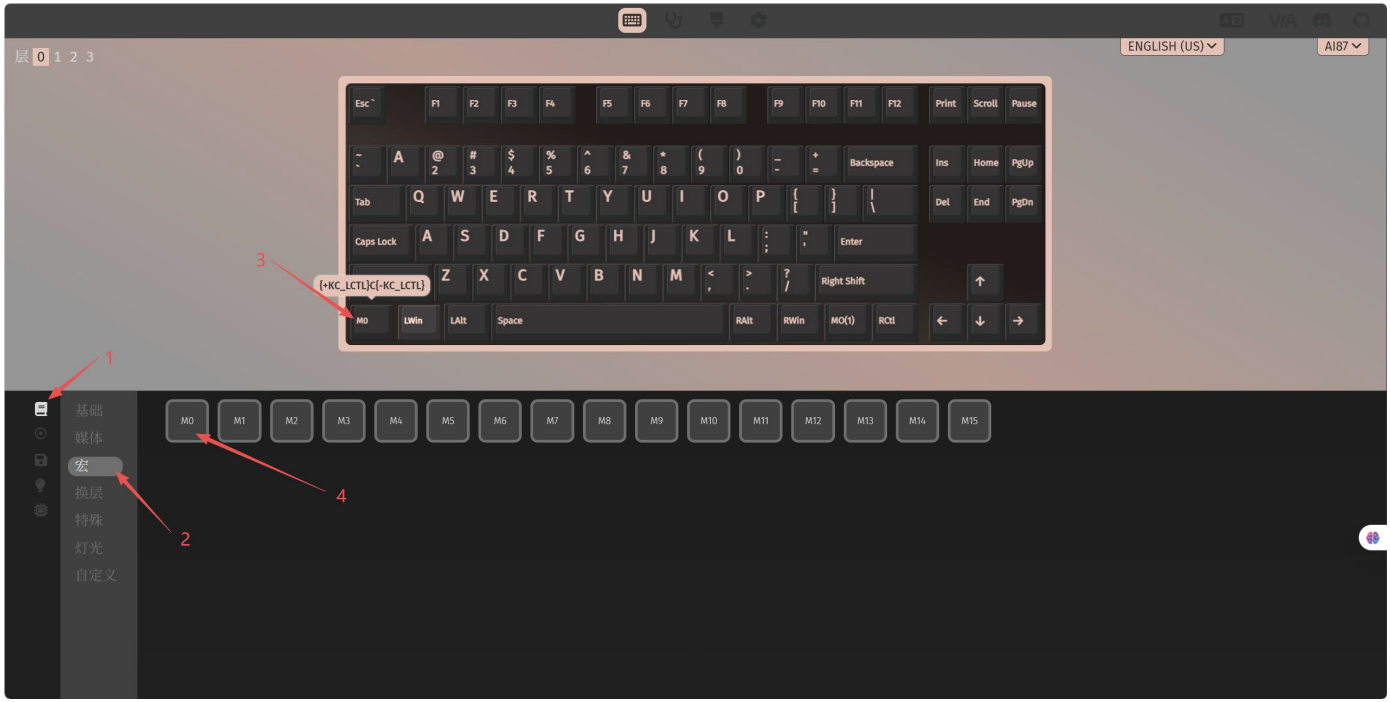
Macro key instructions: Macro key is a function that presaves a set of consecutive key operations and performs them all at once with a single key. Can, for example, Ctrl+C, Ctrl+V, Alt+Tab or a common text set to the macro, presses the button, after macro keyboard will automatically send corresponding keystrokes in a preset order.)




层 0 1 2 3
ENGLISH (US)
AI87
M0
M1
M2
M3
M4
M5
M6
M7
M8
M9
M10
M11
M12
M13
Ctrl
c
Ctrl
5、按下自己需要的宏按键，这里示例ctrl + c
Press the macro key you want, in this case ctrl+c
SAVE CHANGES
7、点击保存
Click "Save"
6、结束录制
End recording

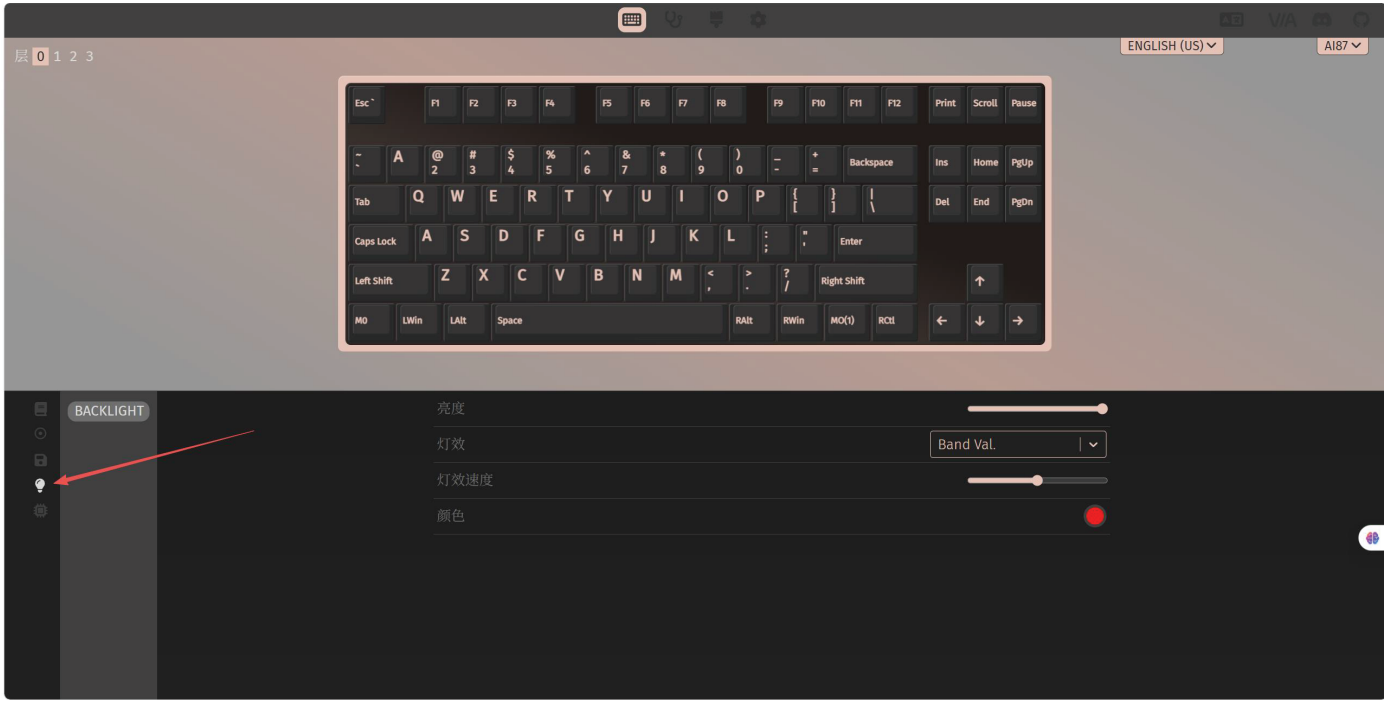
录制成功之后，选择自己想设置的按键设置为对应功能的宏按键即可。

Recorded after the success, the choice you want to set the key set to the corresponding function of macro.



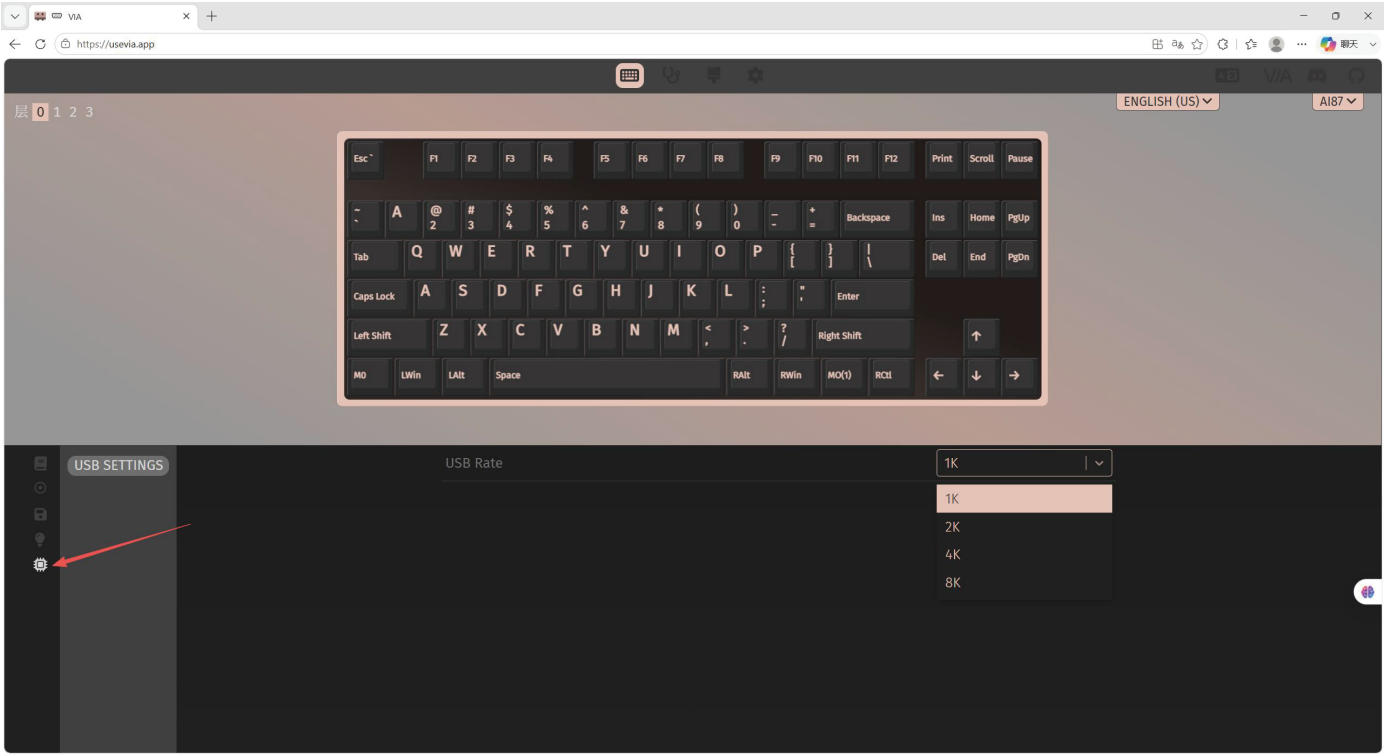
8. VIA 修改灯光

VIA Adjust Lighting



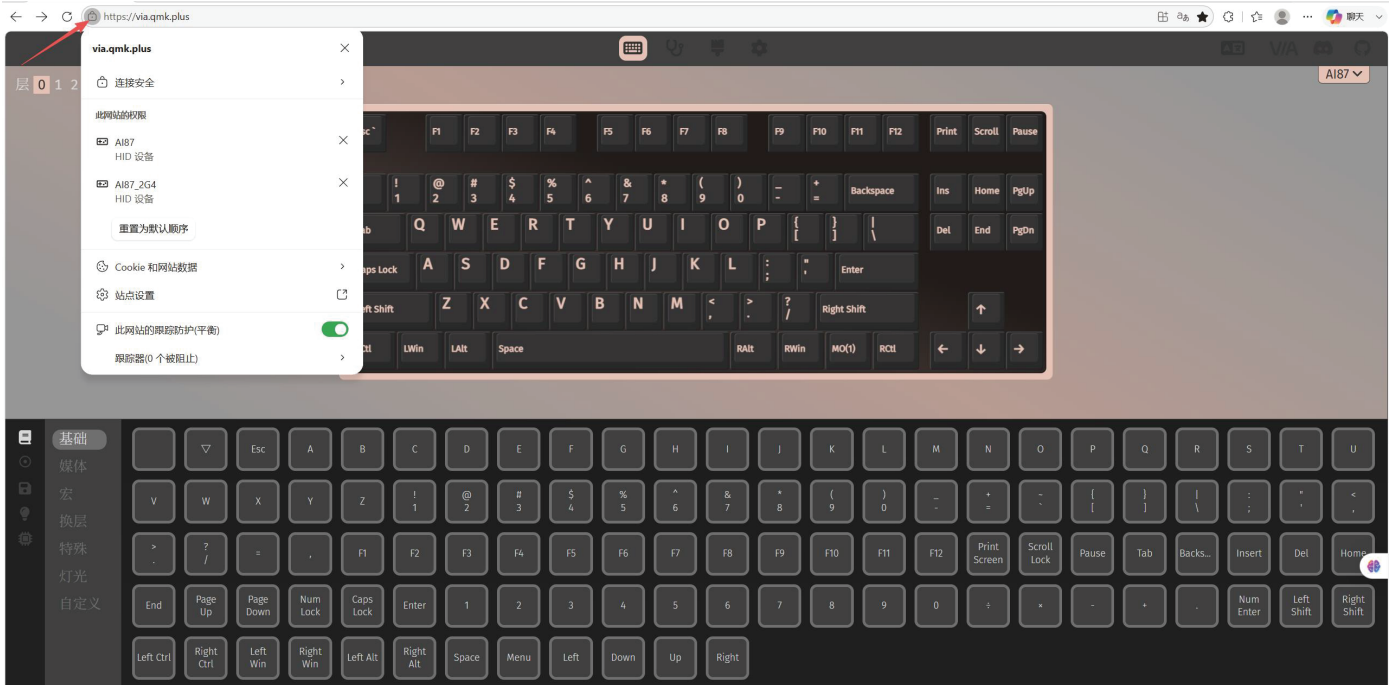
9. 修改 USB 上报速率

Modify USB reporting rate



三模键盘下 2.4g 和 usb 有两个不同的 json 文件，如果在 usb 模式下连接了 via 之后，在 2.4g 模式下连接 via 会有冲突，需要在 via 网页点击这个锁的图案然后删除另一个不需要连接的设备即可。

There are two different json files for the 3-mode keyboard 2.4g and usb. If the via is connected in usb mode, then the via is connected in 2.4g mode Click on the lock pattern on the via page and delete another device that does not need to be connected.



以 AI87 这个设备为例，比如说要在 usb 模式下连接 via，那就删除 AI87_2G4 这个设备即可；如果要在 2.4g 模式下连接 via 则删除 AI87 这个设备即可

Take AI87 as an example. If you want to connect via in usb mode, delete AI87_2G4. If you want to connect via in 2.4g mode, remove the AI87 device



售后登记
After registration

订单号
Order Number

问题描述
Problem Description

售后日期
Shipment Date

寄回地址信息
Mail address information