ζ URSA MAJOR
产品使用说明
Product Introduction

*0*开箱
Unboxing

0.0 **本次键盘为军火箱发货**
Customized suitcase is provided for delevery.

0.1 打开箱子，可见假组状态的**键盘本体**（左右俩部分）、**配件** 以及 **透明底座**（如果选购）

The keyboard is soft-assembled, while separately located on two sides (left and right). In the middle space, **Accessories** and **the pedestal** (if purchased) would be found.

如选购了额外 **彩色装饰铝合金选件** 或 **内胆**，取出键盘本体，抽离中层缓冲垫，额外购买物可见于仓体底部。

Additional color decorative aluminum accessories and **PCB suits** can be seen under thr keyboard, when taken out the keyboard and middle cushion. (if purchased)

如选购配件 **数量较多，**将使用额外纸盒作为运输包装。

If you purchase **a large number of** additional accessories, additional cartons would be provided for packaging and delivery.

0.2 **配件**包含以下： （其中 a、b、c 为内胆组装必须品）
The accessories contain:
(notice **a, b,** and **c are necessary** to provide essential function)

a. 白色二脚灯珠 *4
     White two-leg lamp bead * 4
b. 尼龙滚轮组件 *1
     Nylon roller component*1
c. 信号增强天线 *2
     Signal Booster Antenna*2
d. 脚贴 *8 （圆形 *4+ 长条形状 *4)
     Feet stickers*8 (round shape*4+long shape*4)
e. 额外螺丝若干
     Extra screws

1 拆解
Disassembling

1.1 **键盘需要先拆离假组状态，建议过程如下：**
In order to properly cancel the soft-assembling, following steps is suggested:

Step 0: **取出测试触发功能**
Test PCB trigger function

键盘开发由 LNE 工作室完成，建议使用官方软件 LINK 进行管理
The keyboard development is completed by LNE Studio, and it is recommended to use the official software LINK for management.

NOTE: **产品默认左手部分与 PC 主机蓝牙通信，右手部分只与左手部分蓝牙通信。**
By default, the left-hand part communicates with the PC host via Bluetooth, while the right-hand part communicates with the left-hand part via Bluetooth.
如主机蓝牙信号良好，可以在接入电池的情况下，打开双手供电开关，使用蓝牙连接主机，进行触发测试。
If the Bluetooth signal of the host is good, you can turn on both parts' power supply switches when the battery is connected, connect the host with Bluetooth, and conduct the trigger test.
如主机蓝牙信号不良，可使用 TypeC 线连接左手，打开右手供电开关，使用有线连接主机，进行触发测试。
If the Bluetooth signal of the host is poor, use the TypeC cable to connect the left hand, turn on the power supply switch of the right hand, and use the cable to connect the host for the trigger test.

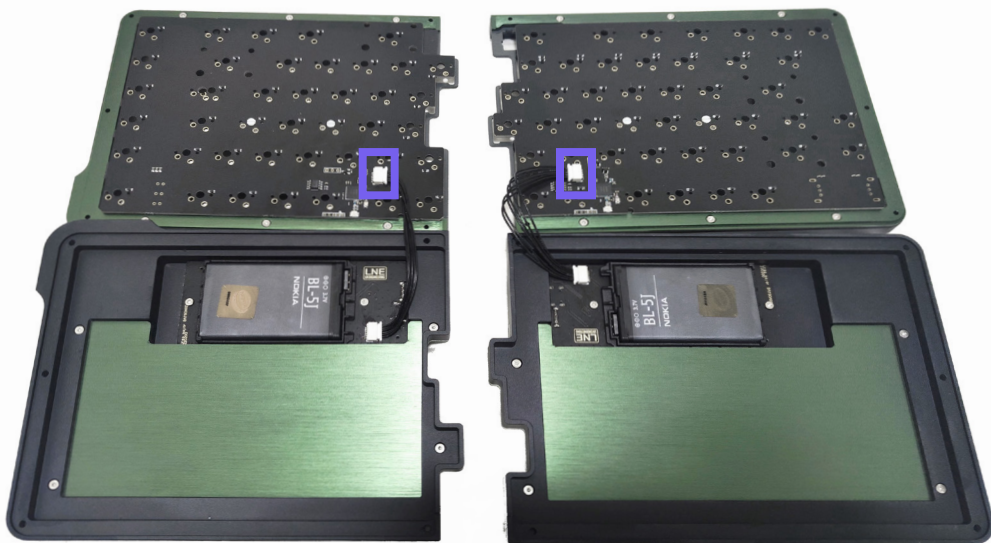Step 2: **取下底部螺丝 x10（沉头内六角 M2*14 ~M2*16)**
Remove the bottom screw x10
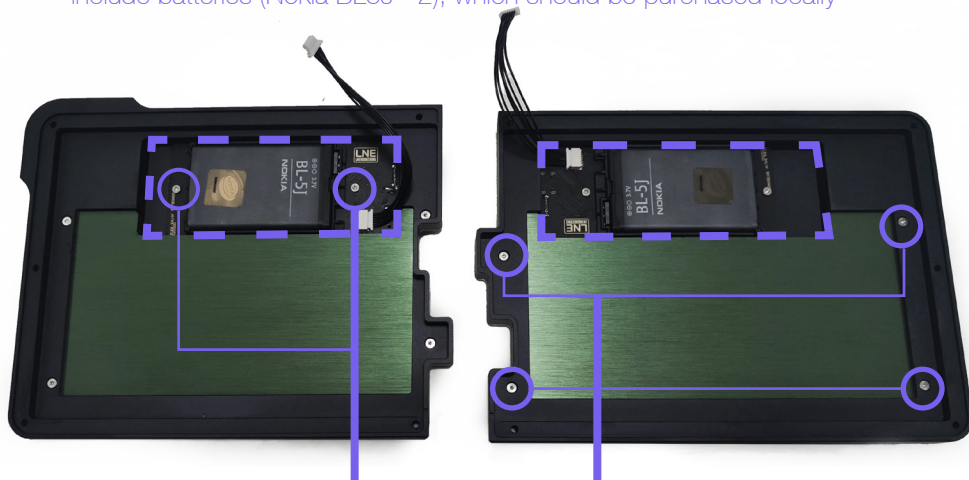(countersunk hex socket screw M2 * 14~M2 * 16)

Step 3: **打开键盘，解开排线（建议解开 PCB 位置的接口）**

Open the keyboard and unlock the cable
(recommended to unlock the interface at the PCB side)

NOTE: **由于运输要求，海外版不含电池 (诺基亚 BL5J*2)，需自行购买。**

Due to the transportation requirements, the overseas version does not include batteries (Nokia BL5J * 2), which should be purchased locally
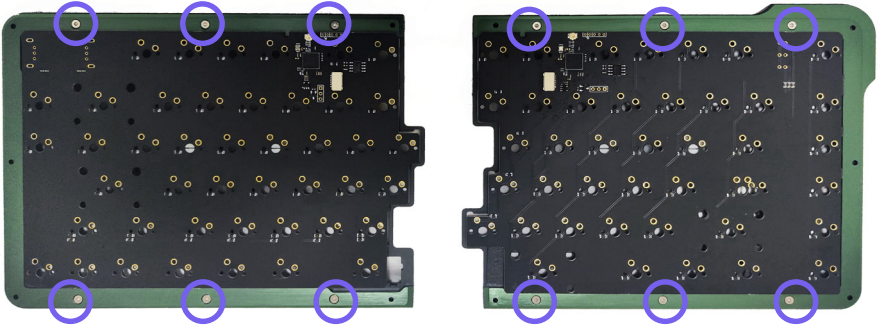

电池小板固定（沉头内六角 M2*4 ~M2*16)
(countersunk hex socket screw M2 * 4~M2 * 6)

配重固定（沉头内六角 M2*3 ~M2*4)
(countersunk hex socket screw M2 * 4~M2 * 4)
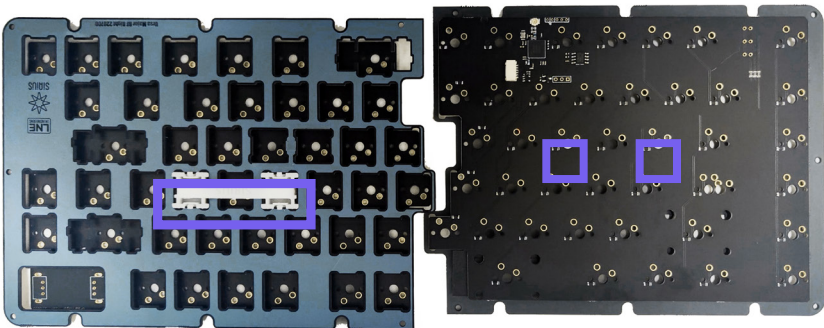
Step 4: **取下左右手各自的螺丝 X6 （沉头内六角 M2*5/M2*6)**
Remove the screws X6 (countersunk hexagonal socket M2 * 5/M2 * 6)
on both left and right side.

Step 5: **得到内胆后，拆除卡扣件，准备进行组装。**
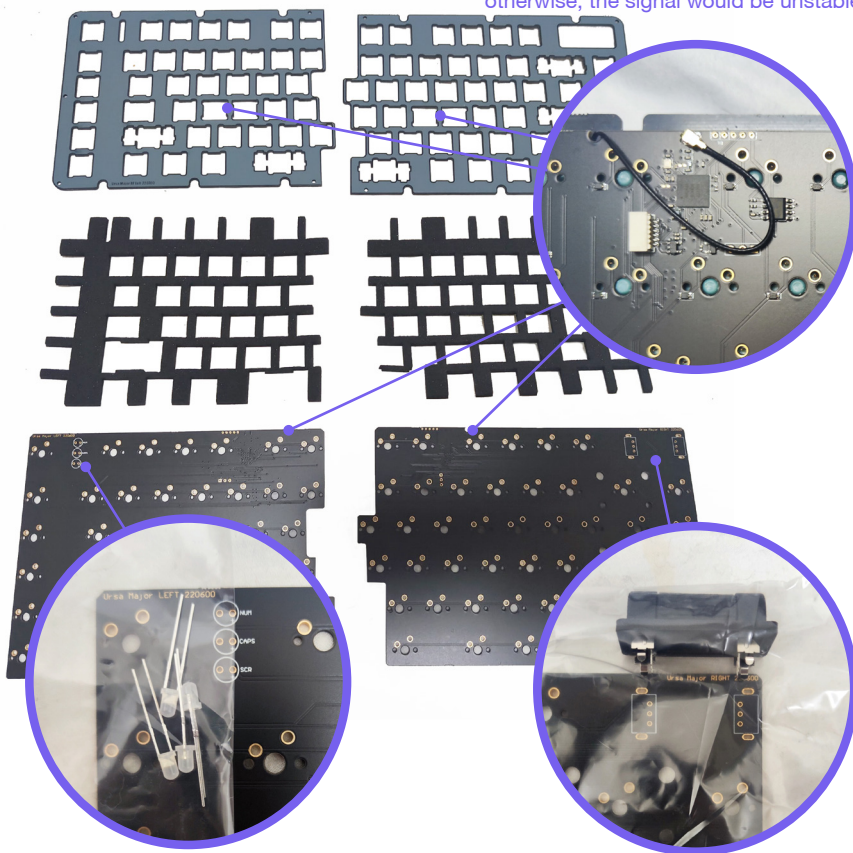After obtaining the core, remove the fasteners and prepare for further
assembly work.

请确保 PCB 与定位板 使用 天线（配件 c）进行连接，否则将影响信号。

Please ensure that PCB and positioning plate are connected by **accessory c**, otherwise, the signal would be unstable.

左手 PCB 使用灯珠（配件 a）进行焊接。

Accessory a would be used on left-hand PCB

右手 PCB 使用滚轮（配件 b）进行焊接。

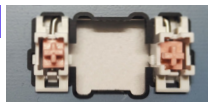Accessory b would be used on right-hand PCB

a　b　c　d　e

1.2 焊接要点提示
Key points for welding and assembly

本品使用定位板卫星轴，可以从定位板开始，安装轴体和卫星轴并调试。

This product uses the positioning plate satellite. You can start from the plate, install the switch and satellite and adjust them.

灯珠长脚为正极，可根据 PCB 上标记进行安装。
确认无误后进行焊接工作，焊接完成后可以剪除多余的针脚。

The lamp bead long pin is a positive pole, which can be installed referencing to the marks on the PCB.
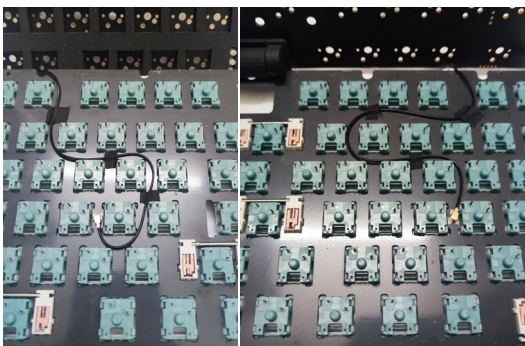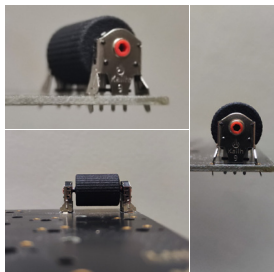Once confirmation, the welding work can be carried out, and cut off pin extra part can after welding.

滚轮由于 打印尼龙件 *1 与 凯华编码器 *2 组。建议使用镊子调教编码位置，以及编码器支撑脚的开合角度，使其匹配 PCB 孔位。此外，编码器只需要焊接中间 3 脚以达成功能。

The roller component functions by printed-nylon roller * 1 and Kaihua encoder * 2
It is recommended to use tweezers to adjust the encoder position and the angle of the encoder support foot,
Make it match the PCB hole position. In addition, the encoder only needs to weld the middle 3 pins to achieve the function.

如选择在 PCB 与定位板之间安装隔音棉，建议使用胶带固定信号天线，并施加一定压力，优先焊接天线附近的轴体，以保证内胆紧实。

If you choose to install sound insulation cotton between PCB and the plate, it is recommended to use adhesive tape to lock the signal antenna, apply certain pressure, and preferentially weld the switches near the antenna to ensure that the core sets tightly.
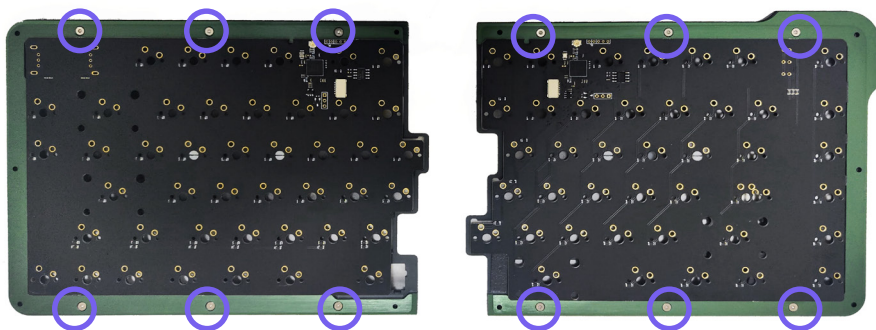
2 重新组装
Reassembling

Step 0: 将焊接完整的内胆 与 彩色中框 放置于上盖。
Place the completed core and colored middle frame on the top sheld.

Step 1: 安装左右手各自的螺丝 X6 (沉头内六角 M2*5/M2*6)
Install the screws X6 (countersunk hexagonal socket M2 * 5/M2 * 6)
on both left and right side.

Step 3: **连接底壳的排线**

Connecting the cable from the bottom shell

Step 4: **合盖上下壳**
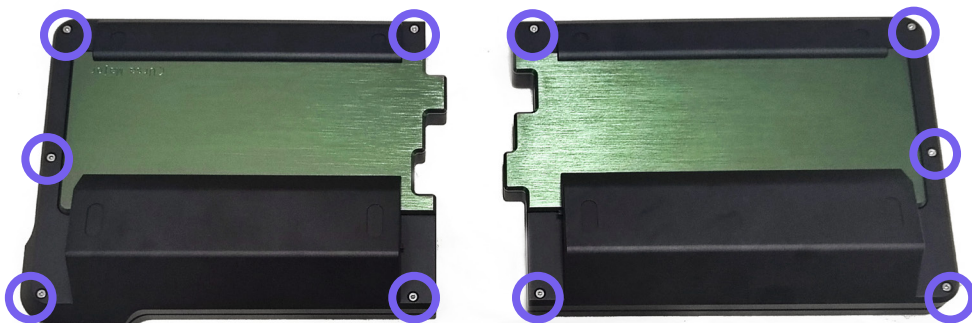
Close the top and bottom shells

NOTE: **确保排线连接正常再锁螺丝；合盖过程中避免外壳侵压供电排线。**

Ensure the cable is connected properly and then lock the screws; Avoid the shells from invading and pressuring the cable during the closing process.

Step 5: **安装底部螺丝 x10 （沉头内六角 M2*14 ~M2*16)**

Install the bottom screw x10
(countersunk hex socket screw M2 * 14~M2 * 16)

3 使用
Using

3.0 使用场景分为 **全无线模式** 及 **有线模式**：
The usage scenarios had two mode:
full-wireless mode and **wired mode**

全无线模式
full-wireless mode

⌨ Ursa Major
　　已连接

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将左手、右手电源拨至 ON 位置，与 PC 蓝牙配对即可达成。
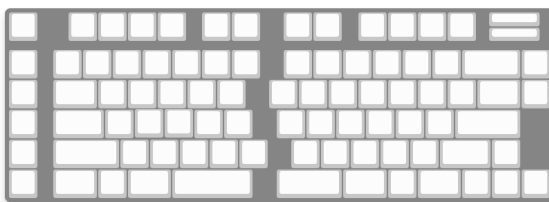Turn "ON" the left-hand and right-hand power supply, and link it with PC's Bluetooth.

此模式下，左右手均依靠电池小板供电。
In this mode, the left-hand and right-hand rely on the battery board for power supply.

此模式下，左手为主手，依靠蓝牙与 PC 通信；右手为副手，依靠蓝牙与左手通信。
In this mode, the left-hand (the master) communicate with PC through Bluetooth, and the right-hand(slave) communicate with the left-hand through Bluetooth.

有线模式
wired mode

🖥 已连接

左手通过有线模式连接 PC，右手（开关打开）将自动通过蓝牙与左手通信。
When the left-hand connected to the PC through wired mode, and the right-hand (switch on) will automatically link to it, and communicate with the left-hand through Bluetooth,

此模式下，左手通过线缆与 PC 通信，且通过线缆供电（电池充电中）。
In this mode, the left-hand communicates with the PC through the cable and supplies power through the cable as welll (battery charging)
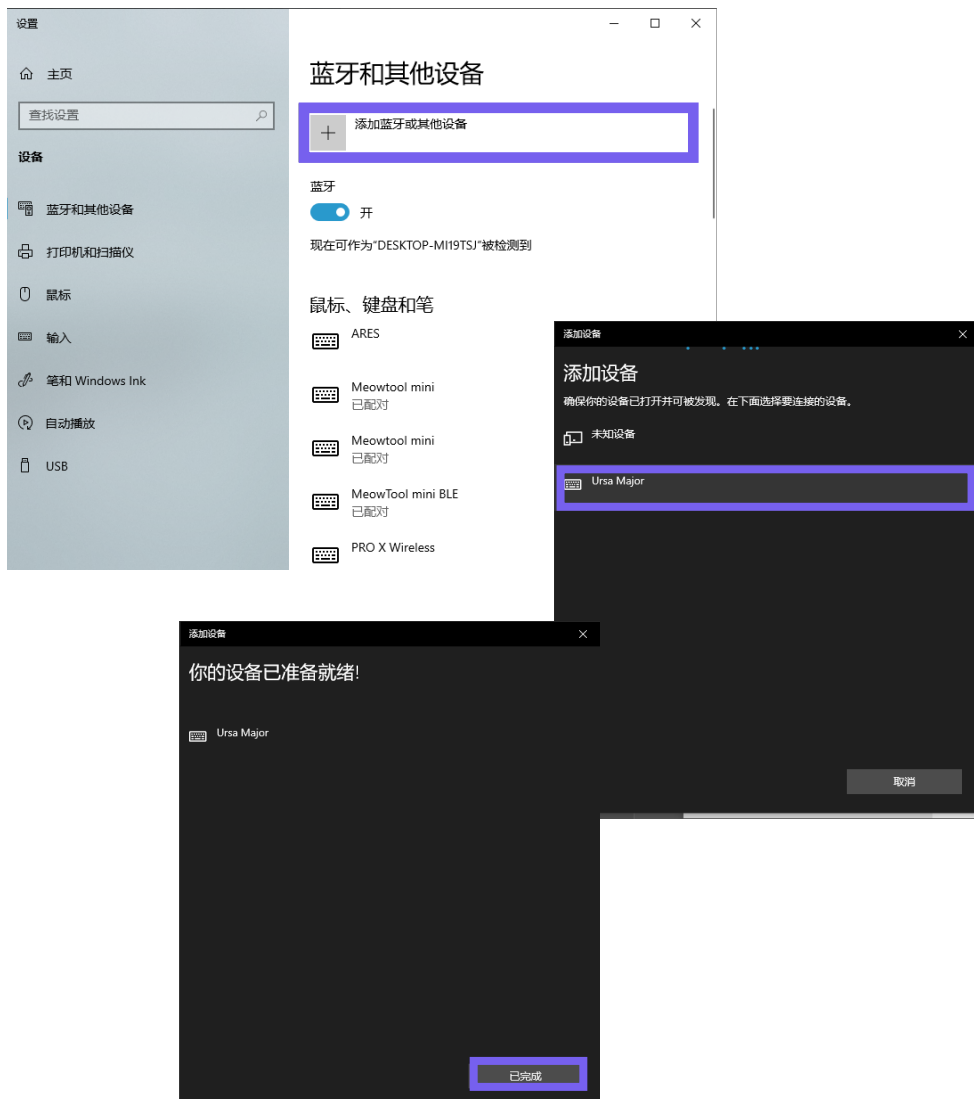
如果右手也加入有线连接，右手（开关打开）依然将通过蓝牙与左手通信，但依靠线缆供电（电池充电中）。
If the right-hand is also connected to a wired connection, the right-hand (switch on) will still communicate with the left hand through Bluetooth, but will supplies power through the cable (battery charging).

3 使用
Using

3.1 与 PC 进行蓝牙匹配，操作如下：

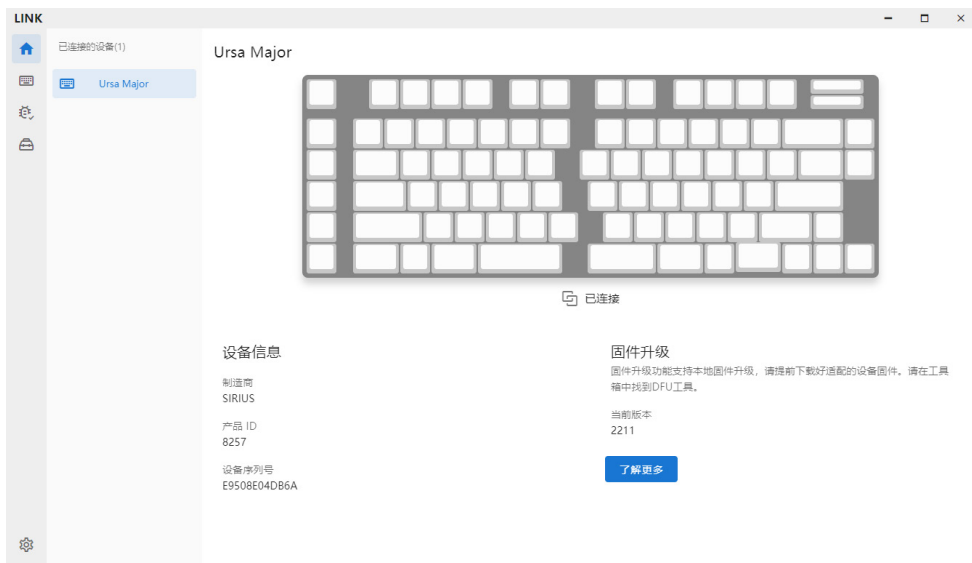Turn on the battery power of both hands and connect the PC with Bluetooth matching. The operations are as follows:
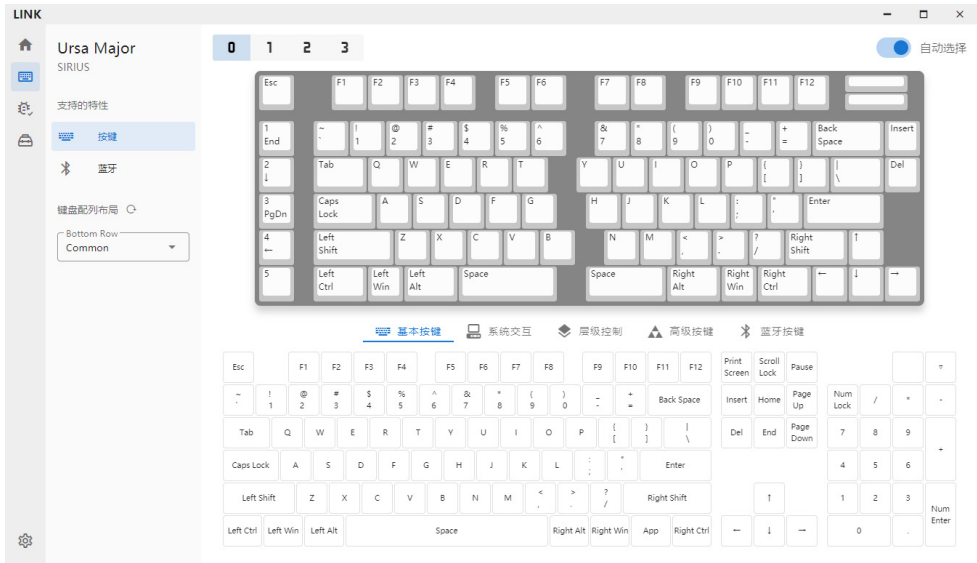
3使用
Using

3.2 键盘组装完成后请**接线**使用 lne link 进行管理，
软件包含 windows 及 mac 支持，下载地址：https://www.lnelab.com/

After the keyboard is assembled, please use the **Type-C cable**
and the software LINK for management,
The software includes Windows and Mac support.
Download address: https://www.lnelab.com/

LINK

已连接的设备(1)

Ursa Major

Ursa Major

已连接

设备信息

制造商
SIRIUS

产品 ID
8257

设备序列号
E9508E04DB6A

固件升级
固件升级功能支持本地固件升级，请提前下载好适配的设备固件。请在工具
箱中找到DFU工具。

当前版本
2211

了解更多

3.3 键值设置
Key value settings

3.4 蓝牙设置
Bluetooth settings

THANKS FOR UR SUPPORT
感谢您的支持