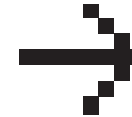
TOFU 60

使用手册
User Manual



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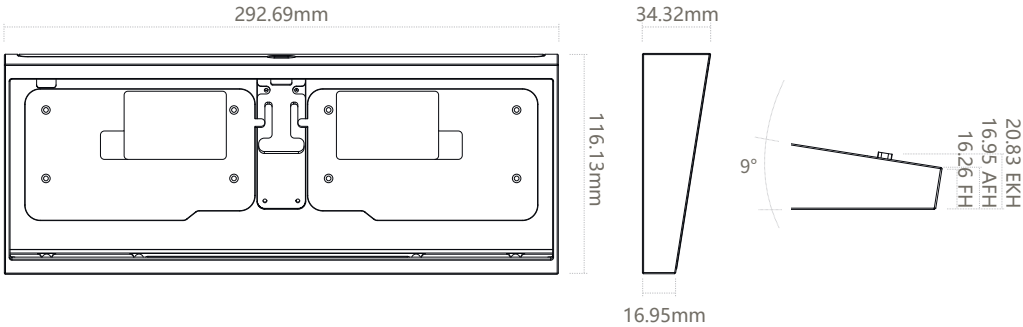
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尺寸规格 Size specifications



Tips: 请及时检查键盘外观是否有运输过程中造成的伤痕及损伤，如发现任何缺陷请联系客服
Please promptly check the keyboard for any scratches or damage caused during shipping.
If any defects are found, please contact Customer Service

▶ 物品清单 Item list

编号 Number		名称 Name	数量 Quantity
#1		键盘外壳 Keyboard case	×1
#2		内部配重 Internal weight bar	×2
#3		内部盖板 Internal cover plate	×1
#4		定位板 Plate	×1
#5-1		夹层棉 PCB foam	×1
#5-2		轴下垫 Switch pad	×1
#5-3		PET声优垫 PET Seiyuu Pad	×1
#5-4		底棉 Case foam	×1
#5-5		PET绝缘垫 PET insulating pad	×1

物品清单 Item list

编号 Number		名称 Name	数量 Quantity
#6		主板 PCB	×1
#7		子板 Daughterboard	×1
#8		gasket硅胶 Silicone gasket	×8
#9		硅胶脚垫 Silicone fee	×4
#10-1		M2*3沉头十字螺丝 M2*3 countersunk head Philips screw	(HE 专配) ×10
#10-2		3.5毫米长度螺柱 3.5mm length stud	(HE 专配) ×10
#10-3		M2*3半圆头十字螺丝 M2*3 pan hed phillips screw	(HE 专配) ×10
#10-1		M2*3沉头十字螺丝 M2*3 countersunk head Philips screw	(盖板螺丝) ×4
#10-4		M2*4小沉头十字螺丝 M2*4small countersunk cross recessed screw	×2

▶ 物品清单 Item list

编号 Number		名称 Name	数量 Quantity
#10-6		M2.5*6 杯头螺丝 M2.5-6 cup head screw	×1
#10-12		M2*6 杯头螺丝 M2*6 cup head screw	×8
#10-13		M2.5*3.5 杯头螺丝 M2.5*3.5 cup head screw	×8
#11		特氟龙 force break Teflon force break	×1
#12		定位板硅胶垫片 Plate screw silicone film	×8
#13		电池仓填充棉 Battery compartment foam	×2
#14-1		T6螺丝刀 T6 screwdriver	×1
#14-2		T8螺丝刀 T8 screwdriver	×1

Tips: 上述非标准配置，具体需以选配形式提供
The above non-standard configurations are available only through customization

▶ 连接方式 Connection types

一、有线连接 Wired

支持 USB to Type-C

Support USB to Type-C

二、无线连接 Wireless

打开蓝牙 开关，长按 1 3秒以上直至指示灯闪烁，进入蓝牙配对模式，在设备蓝牙列表中搜索本键盘名称(TOFU TKL BLE)，点击连接。BT2、BT3同上。

本键盘默认支持 3 台设备，1 2 3 可同时记忆配对。

Turn on Bluetooth , press and hold 1 for 3+ seconds until the indicator flashes, indicating Bluetooth pairing mode. Search for the keyboard name (TOFU TKL BLE) in your device's Bluetooth list and select to connect. The same applies to BT2 and BT3.

TOFU TKL supports pairing with up to 3 Bluetooth devices simultaneously (1 2 3). All three profiles can be paired and memorized at the same time.

连接方式 Connection types

蓝牙指示灯 Bluetooth Indicator Light

键盘上自带了一个 RGB 指示灯，除了一般作为大小写指示灯功能外，它也可以指示蓝牙连接状态。

The keyboard has a built-in RGB indicator light. In addition to the general function of being a caps lock indicator light, it can also indicate the Bluetooth connection status.

指示设备 Indicator Device	配对模式 Pairing Mode	蓝牙待连接 Bluetooth Pending Connection	蓝牙已连接 Bluetooth Connected
蓝牙设备1 Device 1	黄色与红色交替快闪 Yellow and red flash alternately quickly	黄色与蓝色交替快闪 Yellow and blue flash alternately quickly	黄色慢闪 3 次 Yellow flashes slowly 3 times
蓝牙设备2 Device 2	青色与红色交替快闪 Cyan and red flash alternately quickly	青色与蓝色交替快闪 Cyan and blue flash alternately quickly	青色慢闪 3 次 Cyan flashes slowly 3 times
蓝牙设备3 Device 3	紫色与红色交替快闪 Purple and red flash alternately quickly	紫色与蓝色交替快闪 Purple and blue flash alternately quickly	紫色慢闪 3 次 Purple flashes slowly 3 times

▶ 按键测试 Key test

MX PCB 连接到电脑，打开 **https://vial.rocks**，从菜单栏中选择 **Matrix tester**，随后使用绝缘镊子短接每一个键位的热插拔轴座，测试是否正常触发。

Connect the MX PCB to your computer, open **https://vial.rocks/** , select "**Matrix tester**" from the menu bar, then use insulated tweezers to short-circuit each hot-swappable switch socket to test for normal trigger functionality.

HE PCB 组装完成后连接到电脑，打开 **https://tofix.cc** ，从菜单栏中选择按键界面进行测试。

After the HE PCB is assembled, connect it to a computer, open **https://tofix.cc**, and select the Key Interface from the menu bar to perform the test.

▶ 软件支持 Software support

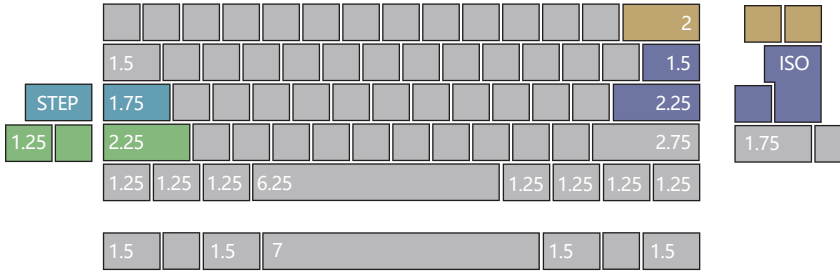
单模热插拔、焊接 PCB
Single Mode Hot-swap & Wierd PCB:
Vial: **https://vial.rocks/**
Via: **https://usevia.app/test**
Ava: **https://ydkb.io/ava/**

双模热插拔 PCB Dual Mode Hot-swap PCB:
ZMK: **https://zmk.studio/**
ZMK说明书 ZMK Instruction Manual: **openkbd.com**
固件下载 Firmware Download: **http://vial.ydkb.io**
HE PCB: **https://tofix.cc**

支持配列 Supported layout

MX 主板

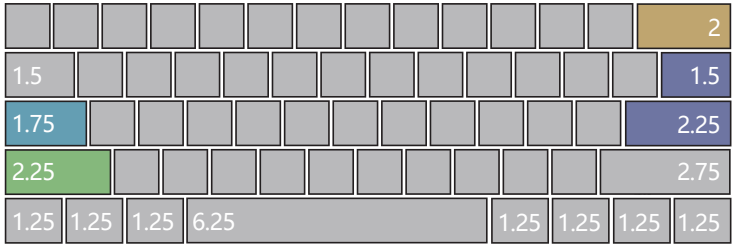
MX PCB



支持配列 Supported layout

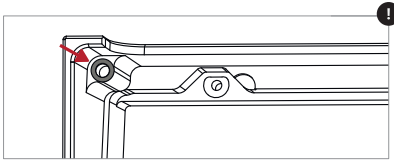
HE 主板

HE PCB



I- 键盘外壳结构

I-Keyboard case structure



将所有特氟龙 force break都贴至上盖螺丝孔位置
Stick all Teflon force breaks to the positions of the top case screw holes

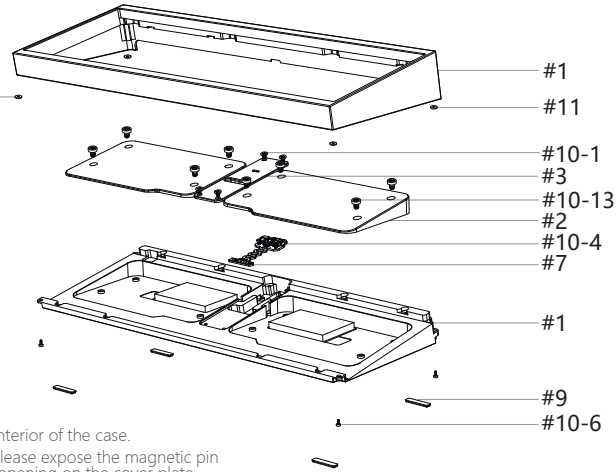
TIPS:

*内部配重、盖板、螺丝已预组装至外壳内部

*子板为磁吸式，安装时请将子板磁吸式针脚连接器从盖板对应开口露出

*The Internal weight, cover, screws are pre-assembled to the interior of the case.

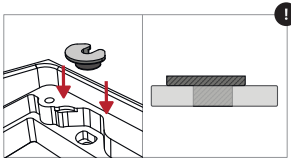
*The daughterboard is of magnetic type. During installation, please expose the magnetic pin connector of the daughterboard through the corresponding opening on the cover plate.



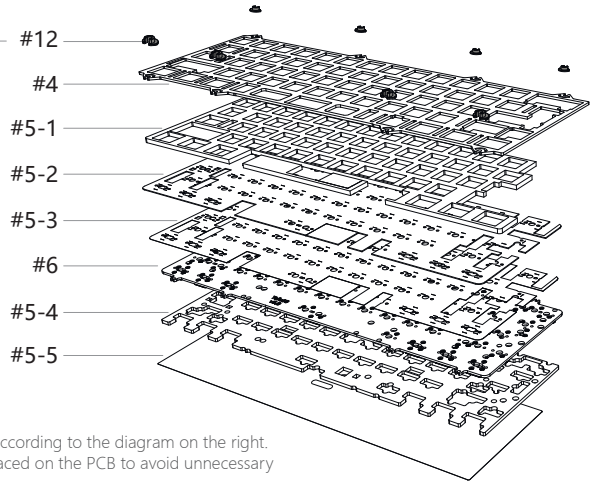
键盘结构 Keyboard structure

II-I MX 主板内胆结构

II-I MX PCB Internal structure



自键盘上壳插入硅胶垫片，确保贴合到位
Insert the silicone film into the keyboard top case, ensuring a proper fit



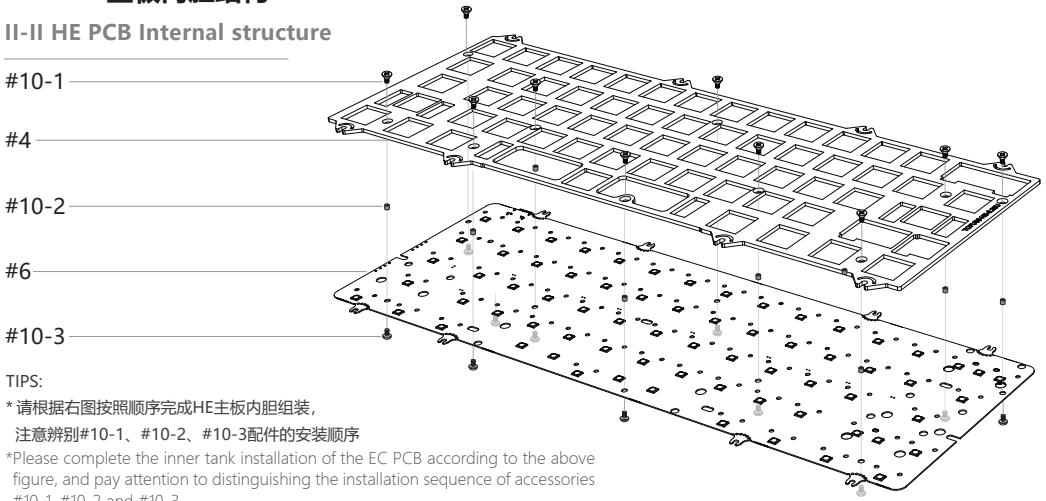
TIPS:

* 根据右图按照顺序完成 MX 主板内胆组装
*卫星轴需要在轴下垫放置后安装以避免不必要的拆装

*Please assemble the MX PCB inner assembly in sequence according to the diagram on the right.
*The stabilizer needs to be installed after the PCB foam is placed on the PCB to avoid unnecessary disassembly and reassembly.

II-II HE 主板内胆结构

II-II HE PCB Internal structure



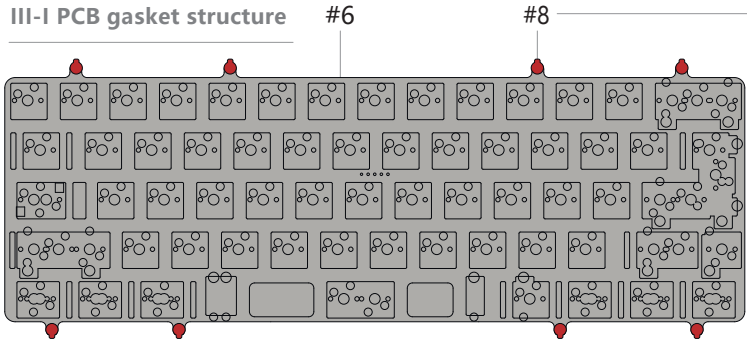
TIPS:

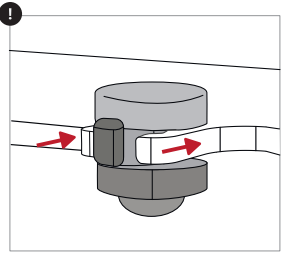
* 请根据右图按照顺序完成HE主板内胆组装，
注意辨别#10-1、#10-2、#10-3配件的安装顺序

*Please complete the inner tank installation of the EC PCB according to the above figure, and pay attention to distinguishing the installation sequence of accessories #10-1, #10-2 and #10-3

III-I PCB gasket 结构

III-I PCB gasket structure





将gasket硅胶卡入主板指定位置
Insert the silicone gasket into the designated position on the PCB

请注意区分gasket硅胶的正反以及方向
Please distinguish the front and back of the silicone and the direction

TIPS:

*硅胶 gasket 结构

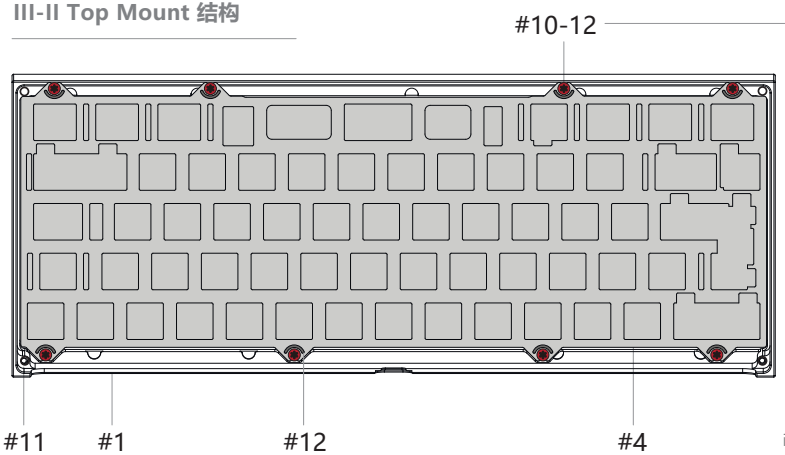
*敲击手感轻柔，打字音效更柔和，如需硬核手感请使用 [PAGE 14] Top Mount

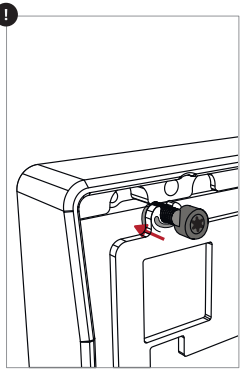
*Silicone gasket structure

*The typing feel is soft, and the typing sound is gentler. For a firm, tactile typing experience, please refer to [PAGE 12] Top Mount.

III-II Top Mount 结构

III-II Top Mount 结构



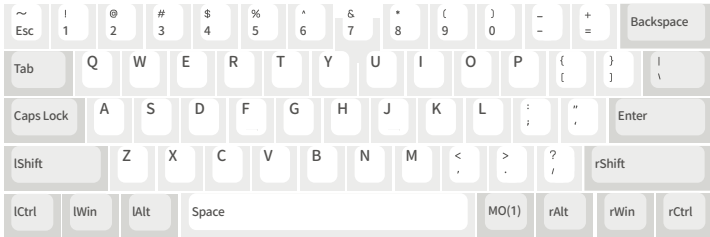


将螺丝拧入定位板指定位置
Screw the M2-4 cup head screws into the specified spots on the plate

默认键位 Default keymap

层 0 / WK 布局

Layer 0 / WK Layout

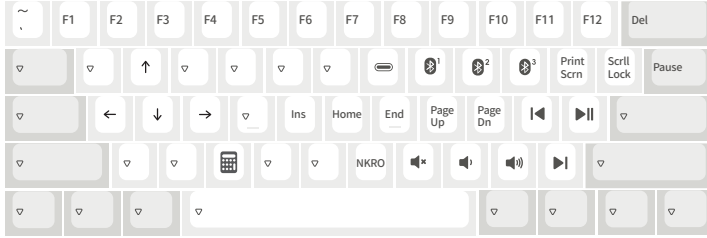


MO(1) 切换到层1,松开返回默认层
Hold enter the layer 1
Release to the default layer

默认键位 Default keymap

层 1 / WK 布局

Layer 1 / WK Layout



播放 / 暂停
Play /Pause

计算器快捷键
Cauculatorshortcut key

静音键
Mute botton

音量增大 / 减小
Volume up / down

上 / 下一曲
Privious / Next track

NKRO 全键无冲功能键
Full n-key rollerover function key

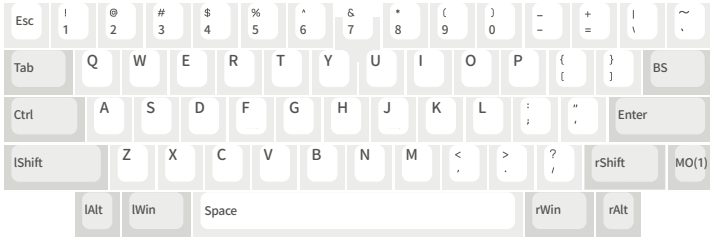
切换到蓝牙设备 1 / 2 / 3
长按3s以上为清除设备信息
Switch to BT 1 / 2 / 3
Hold for 3+ seconds to dear bond infomation

切换到USB连接
Switch to USB connection

默认键位 Default keymap

层 0 / HHKB 布局

Layer 0 / HHKB Layout

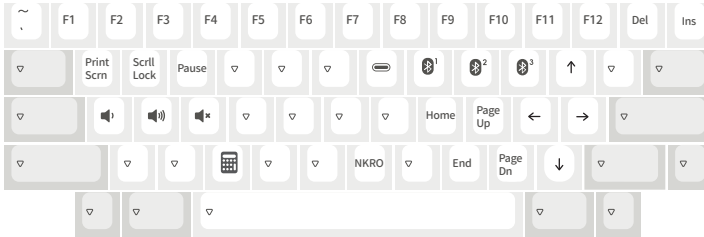


MO(1) 切换到层1,松开返回默认层
Hold enter the layer 1
Release to the default layer

默认键位 Default keymap

层 1 / HHKB 布局

Layer 1 / HHKB Layout



播放 / 暂停
Play /Pause

计算器快捷键
Cauculatorshortcut key

静音键
Mute botton

音量增大 / 减小
Volume up / down

NKRO 全键无冲功能键
Full n-key rollerover function key

切换到USB连接
Switch to USB connection

切换到蓝牙设备 1 / 2 / 3
长按3s以上为清除设备信息
Switch to BT 1 / 2 / 3
Hold for 3+ seconds to dear bond infomation






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