

**所有问题开始解决之前务必检查是否选取了正确的键程校准。**

**Make sure to check if the correct key travel calibration has been selected before solving issues.**

如不会使用驱动，群文件附有一份 pdf 教程。

**Q1: 为什么换了某某轴体 0.01 或 0.02 咋还是断触？**

(1) 轴体都是存在偏差的，不可能每一个轴体都能完美 0.01mm 的。我们做出来试轴器也是希望大家，去挑选轴体。因为我们键盘精度是 0.01mm，如果不断开才不正常。

(2) 可能造成过冲。解决方法：驱动设置第二行（触发）小于等于第三行（释放），使用三段式设置即一二三行都有数值，不仅仅只设置二三行。（如驱动触发行程 0.05mm 释放却只有 0.01mm）。

**If you are unsure how to use the driver, a PDF tutorial is available in the group files.**

**Q1: Why does the switch still have a broken contact even after switching to the XX switch with a 0.01 or 0.02 mm adjustment?**

(1) All switches have some level of variation; it's impossible for every switch to be perfectly adjusted to 0.01 mm. The purpose of our switch tester is to help you choose the switches more effectively. Our keyboard precision is 0.01 mm, and if there's no break in contact, that would be

abnormal.

(2) This may cause overstretching. Solution: In the driver, set the second line (trigger) to be less than or equal to the third line (release). Use a three-stage setting where all three stages have values, not just the second and third lines. (For example, if the driver has a trigger travel of 0.05 mm but the release is only set to 0.01 mm)

**Q2: 为什么我的键盘（通常 0.04mm 及以上）都断触，无法校准，网吧用不了（摁了没反应 如果是断触就看下面）**

(1) 查看驱动设置，是否设置正确的键程（磁玉轴体 3.3mm）。请设置好正确的键程并校准。

(2) 如果断触的地方是大键位（例如 shift space 等），这个位置是不支持低的 RT 设置的。原因是带有卫星轴，卫星轴稳定不了太低的参数。

(3) 可能造成过冲。解决方法：驱动设置第二行（触发）小于等于第三行（释放），使用三段式设置即一二三行都有数值，不仅仅只设置二三行。（如驱动触发行程 0.05mm 释放却只有 0.01mm）。

**Q2: Why does my keyboard (usually with 0.04 mm or above) have broken contact and can't be calibrated? It doesn't work in internet cafes (no response when pressed, if it's broken contact, see below).**

(1) Check the driver settings to ensure the correct key travel is set (for example, 3.3 mm for the Magnetic Switch). Make sure the correct key travel is set and calibrated properly.

(2) If the broken contact happens on larger keys (such as Shift, Space, etc.), those keys do not support low RT (Response Time) settings. The reason is that these keys are equipped with satellite switches, and satellite switches cannot stabilize with very low parameters.

(3) This may cause overstretching. **Solution:** In the driver, set the second line (trigger) to be less than or equal to the third line (release). Use a three-stage setting where all three stages have values, not just the second and third lines. (For example, if the driver has a trigger travel of 0.05 mm but the release is only set to 0.01 mm).

### **Q3: 无法校准，网吧用不了（摁了没反应）**

(1) 检查是什么设备，如果是笔记本的话，可以检查是否靠近了笔记本键盘的下方，那里可能会有磁铁或者音响，可以先试试离笔记本远一点。

(2) 检查线材和是否使用集线器（特别是网吧的集线器），线材一般手机快充线材和原厂线材皆可（大部分的航插线是带不动磁轴键盘的），如果使用了集线器最好直插主板接口。

(3) 如果有改装键盘，最好检查 pcb 和定位板之间的螺丝是否锁好。

(4) 极个别可能是设置问题，可能设置了大于 3.3mm 的触发行程。

**Q3: Can't calibrate the keyboard, and it doesn't work in internet cafes (no response when pressed).**

(1) Check the device you're using. If it's a laptop, see if it's near the bottom of the laptop's keyboard. There could be magnets or speakers in that area. Try moving the keyboard further away from the laptop.

(2) Check the cable and whether you're using a USB hub (especially in internet cafes). Generally, phone fast-charging cables and original cables should work fine, but most standard cables can't support a magnetic switch keyboard. If using a hub, it's best to connect directly to the motherboard's USB port.

(3) If the keyboard is modified, check that the screws between the PCB and the positioning plate are properly tightened.

(4) In rare cases, it could be a setting issue. You might have set a trigger travel greater than 3.3 mm.

#### **Q4: 自动走路**

(1) 排查是否使用 socd 和后覆盖且是否是最新驱动,不是的话要更新到最新的驱动(驱动有热更新或者群内下载)

(2) 如果 socd 出现单边覆盖(a 可以覆盖 d, d 不能覆盖 a), 需要选相同键程进行重新校准, 也可以去检查供电 和无法校准 网吧用不了(摁了没反应) 中的方法一样。

(3) socd 和其他功能是不能同时开启的, 是不正确的使用方法。

#### **Q4: Auto walking (automatic movement issue).**

(1) Check whether SOCD (Simultaneous Opposite Cardinal Direction) is enabled and whether you're using the latest driver. If not, update to the

latest version (drivers may have hot updates or can be downloaded from the group files).

(2) If SOCD results in single-sided coverage (e.g., A can override D, but D cannot override A), you need to select the same key travel for recalibration. You can also check the power supply and use the same troubleshooting steps mentioned in the "unable to calibrate, no response in internet cafes" section.

(3) Note that SOCD and other features cannot be enabled simultaneously, as this is an incorrect usage method.

#### **Q5: 驱动打开设置保存**

(1) 可以管理员运行试一下，能否正常保存。

(2) 检查属性→安全权限是否给完整 其次可以关闭防火墙尝试

#### **Q5: Open the drive, access the settings, and save them.**

(1) Try running the driver as an administrator to see if it saves properly.

(2) Check the properties → Security permissions to ensure full access. Additionally, you can try turning off the firewall and see if that helps.

#### **Q6: 为什么我的键盘按下去不动 (wasd 按下去没反应) 或者用力按压起来断触**

(1) 可能造成过冲。解决方法：驱动设置第二行（触发）小于等于第三行（释放），使用三段式设置即一二三行都有数值，不仅仅只设置二三行。（如驱

动触发行程 0.05mm 释放却只有 0.01mm)。

**Q6: Why does my keyboard not respond when pressing (WASD keys don't work) or lose contact when pressed hard?**

(1) This could be caused by overstretching. Solution: In the driver settings, make sure the second line (trigger) is less than or equal to the third line (release). Use a three-stage setup where all three stages have values, not just the second and third stages. For example, if the trigger travel is set to 0.05 mm but the release is only 0.01 mm, it could cause issues.

**Q7: 我想要给 hm66 换壳怎么办?**

(1) bilibili 有教学视频, 十分简单。

**Q7: How can I change the case of my HM66 keyboard?**

(1) There are tutorial videos available on Bilibili that explain the process. It's quite simple and easy to follow.

**Q8: 轴下垫影响精度吗?**

(1) 如下图。

**Q8: Does the pad under the switch affect accuracy?**

(1) As shown in the image below

### 轴下垫和夹心棉对磁轴精度的影响的测试

	磁白轴 (样本1) 结构不稳	磁白轴 (样本2) 结构不稳	磁白轴 (样本3) 结构稳定	磁白轴 (样本4) 结构稳定	磁玉轴 (样本1) 结构不稳	磁玉轴 (样本2) 结构不稳	磁玉轴 (样本3) 结构稳定	磁玉轴 (样本4) 结构稳定
不加棉	0.07	0.11	0.08	0.09	0.02	0.01	0.02	0.02
仅轴下垫	0.07	0.11	0.08	0.1	0.02	0.01	0.02	0.02
仅夹心棉	0.09	0.1	0.08	0.09	0.02	0.01	0.01	0.02
双棉	0.07	0.11	0.09	0.09	0.02	0.01	0.01	0.02

注:

- 1、内胆: HM Loong66 RS。外壳: 山城。结构: 船壳。
- 2、结构不稳是指轴体离定位柱较远, 结构稳定指该轴体旁边就有定位柱。
- 3、数值单位为mm, 使用和沐驱动的摇晃度检测功能, 并记录出现的最大值。

### Q8: Fn 层各种层该怎么设置? (其他层同理)

- (1) 切换到对应层数。
- (2) 找到功能或性能界面, 即可开始设置。

### Q8: How should I set up the Fn layer and other layers?

- (1) Switch to the corresponding layer.
- (2) Go to the function or performance interface, and you can start configuring the settings.

### Q9: 我打各种游戏怎么设置 (瓦, cs....)

- (1) 切换到性能界面。
- (2) 选取需要设置的键位。
- (3) 选择预设即可 (也可自己继续利用试轴器调整)。

### Q9: How should I set up for different games (e. g. , Valorant, CS, etc.)

- (1) Switch to the performance interface.
- (2) Select the keys you need to configure.

(3) Choose the preset settings (you can also further fine-tune using the switch tester if needed).

**Q10: 进不去驱动卡在加载界面**

(1) 拔插一下。

(2) 更换 usb 线材或者接口 (网吧部分 hub 可能无法识别或者供电不够)。

**Q10: Unable to enter the driver, stuck on the loading screen.**

(1) Try unplugging and reconnecting the device.

(2) Switch to a different USB cable or port. (Some hubs in internet cafes may not be able to recognize the device or may not provide sufficient power).

**Q11: 驱动字体出错**

(1) 联系群主或者小助理帮忙。

**Q11: Driver font error.**

(1) Contact the group owner or the assistant for help.

**Q12: 自己定做定位板**

(1) 定位板和 pcb 的间隙是 3.5mm。

**Q12: Customizing a positioning plate.**

(1) The gap between the positioning plate and the PCB is 3.5 mm.



**Q13: Hm66 的分裂空格是多少**

(1) 分别是 2.25+1.75+2.25u。

**Q13: What is the split spacebar size of the HM66?**

(1) The sizes are 2.25u + 1.75u + 2.25u.

**Q14: 试轴器没反应**

(1) 查看驱动版本是否为最新。

(2) 是否正确校准（选择正确键程）。

(3) 重新校准一次（试轴器下方有灰色的字体的按键）。

**Q14: The switch tester is not responding.**

(1) Check if the driver version is up to date.

(2) Ensure it is calibrated correctly (select the correct key travel).

(3) Try recalibrating again (there's a key with gray text at the bottom of the switch tester for recalibration).

**Q15: Hm66 怎么保存设置**

(1) Hm 具有板载，设置完就可以退掉了。

**Q15: How do I save settings for HM66?**

(1) The HM66 has onboard memory, so once you have finished setting it up, you can simply exit the configuration utility. The settings will be saved automatically.

**Q16: Hm66 为什么在网吧打开就没有了设置**

(1) 因为键盘部分设置是从电脑中读取，推荐在家里设置好了就不用打开了，因为有板载可以直接使用无需设置。

**Q16: Why do the settings for HM66 disappear when I use it at an internet cafe?**

(1) Because some of the keyboard's settings are loaded from the computer, which means that if the specific computer at the internet cafe does not have these settings saved, they will not be applied. It is recommended to configure the keyboard at home and avoid changing the settings when using it in different places.

**Q17: 其他驱动错误**

- (1) 查看驱动版本号，是否是最新版本。
- (2) 尝试重置出厂设置。
- (3) 联系群主或者小助理处理。

**Q17: Other Driver Errors**

- (1) Check the driver version number to ensure it is the latest version.
- (2) Try resetting to factory settings.
- (3) Contact the group owner or a helper for assistance.

**Q18: 更新驱动无法打开 (windows 弹窗)**

- (1) 卸载最开始的驱动，去群文件重新下载一次。
- (2) 1. 重新插拔键盘或者更换 USB 接口。
- (3) 2. 任务管理器中关闭所有 MSI center 软件进程。
- (4) 3. 任务管理器中关闭所有 RGBFusion 软件进程。
- (5) 4. 任务管理器中关闭所有 iGame 软件进程或者。
- (6) 5. 任务管理器中关闭所有 ROG 奥创软件进程。
- (7) 6. 任务管理器中关闭所有 background task host 进程。
- (8) 7. 关闭编程软件和按键校验工具

#### **Q18: Unable to Open Updated Driver (Windows Pop-up)**

(1) Uninstall the initial driver and download the latest version from the group files again.

- (2) 1.Reconnect the keyboard or try a different USB port.
- (3) 2.Close all MSI Center software processes in Task Manager.
- (4) 3.Close all RGB Fusion software processes in Task Manager.
- (5) 4.Close all iGame software processes in Task Manager.
- (6) 5.Close all ROG Aura software processes in Task Manager.
- (7) 6.Close all Background Task Host processes in Task Manager.
- (8) 7.Close any programming software and key validation tools.