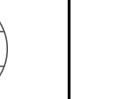


ZUOYA

GMK87

VIA TRI-MODE TFT-LCD MECHANICAL KEYBOARD

Made In China


欢迎您选购ZUOYA GMK87机械键盘，希望您使用愉快，功能操作说明请参以下内容。

灯光设置按键

FN+↑: 背光灯效亮度增加
FN+↓: 背光灯效亮度减小
FN+←: 背光灯效速度减小
FN+→: 背光灯效速度增加
FN+BACK SPACE: 关闭/开启背光灯
FN+I: 切换背光灯效
FN+↑: 背光灯色相加
FN+↓: 背光灯色相减
FN+PAGE UP: 切换方向键上方灯条灯光效果
FN+PAGE DN: 切换方向键右上方灯条颜色

多媒体按键

FN+F1: 音乐播放器
FN+F2: 音量减
FN+F3: 音量加
FN+F4: 前一首
FN+F5: 停止播放
FN+F6: 上一曲
FN+F7: 播放/暂停
FN+F8: 下一曲
FN+F9: 邮件
FN+F10: 主页
FN+F11: 计算器
FN+F12: 搜索

FN+WIN: 锁定/解锁WIN键

FN+SPACE: 长按FN+SPACE三秒键盘恢复到出厂设置
FN+ENTER: 切换屏幕显示界面
FN+X: 一键打开/关闭屏幕

有线/蓝牙5.0/2.4G 三种模式连接方法

有线模式:
请将键盘键盘中间三段拨动开关打至中间USB处，并将USB线插入到你的电脑设备中，键盘屏幕亮起，则表示连接成功。

蓝牙模式配对方法:
请按照以下步骤将键盘和您的设备来进行蓝牙配对

1.ZUOYA GMK87蓝牙键盘最多可同时连接3个蓝牙设备，打开键盘中间三段拨动开关至左边BT位置，此时屏幕设备指示闪烁，按住FN+Q或者按住FN+E 3-5秒，当屏幕上对应设备指示开始快速闪烁BT1,BT2,BT3 表示键盘在可连接状态。
2.在要连接的设备上打开蓝牙，搜索并选择其中一组FN+Q对应设备名ZUOYA GMK87-1, FN+W对应设备名ZUOYA GMK87-2, FN+E对应设备名ZUOYA GMK87-3。
3.键盘与你的设备连接成功后，对应屏幕设备指示会停止闪烁并亮起，短按FN+Q或者FN+W 或者FN+E键会切换已经配对的蓝牙设备。

2.4G模式使用方法:
请将键盘左上三段拨动开关打至右边位置，此时屏幕2.4G模式指示会快速闪烁，并将接收器插入电脑USB接口中，此时设备指示停止闪烁并亮起显示，则表示2.4G设备已连接成功。

2.4G模式对码方法:

键盘出厂默认已经完成2.4G对码，如果需要重新配对，请按如下方法重新对码：
长按FN+R 3-5秒，屏幕2.4G图标快速闪烁，再将接收器插入USB接口，停止闪烁则表示对码成功。

自动休眠模式

蓝牙和2.4G模式时，键盘无按键操作5分钟后背光和屏幕关闭，按任意按键唤醒键盘
蓝牙模式时，键盘无按键操作30分钟后进入深度休眠模式，蓝牙断开，按任意按键将退出深度休眠模式，屏幕亮起并回连蓝牙

充电指示灯：

当键盘的电池电量低时（电池电量小于3.3V）屏幕提示低电量充电时屏幕右上角显示键盘在充电状态

屏幕换图设置：

ZUOYA GMK87有两组用户自定义动图可替换，替换动图需要下载Image Custom Tool，然后安装至电脑
打开安装好的Image Custom Tool 选择导入动画或者导入图片并上传所有帧即可自定义动图或图片

2.4G模式使用方法:

请将键盘左上三段拨动开关打至右边位置，此时屏幕2.4G模式指示会快速闪烁，并将接收器插入电脑USB接口中，此时设备指示停止闪烁并亮起显示，则表示2.4G设备已连接成功。

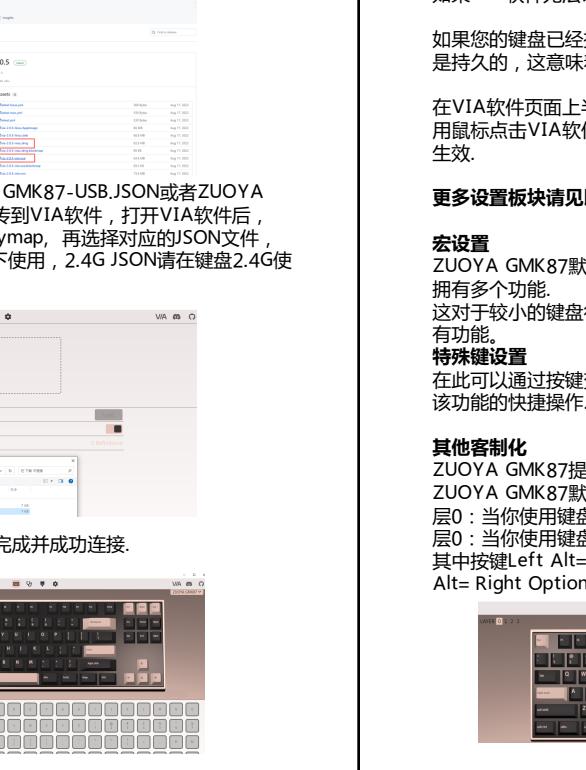
2.4G模式对码方法:

键盘出厂默认已经完成2.4G对码，如果需要重新配对，请按如下方法重新对码：
长按FN+R 3-5秒，屏幕2.4G图标快速闪烁，再将接收器插入USB接口，停止闪烁则表示对码成功。

自定义设置

ZUOYA GMK87支持VIA 程序改键布局
注意：请确保您的键盘已正确插入电脑设备
VIA 安装步骤如下:
1.请访问<https://github.com/WestBerryVIA/via-releases/releases>选择您需要的最新的VIA软件然后下载并安装在电脑上.如下图

3.如下画面表示VIA软件安装完成并成功连接:



如果VIA软件无法识别您的键盘，请联系我们的客服人员寻求帮助
如果您的键盘已经插入VIA会自动检测你的键盘是否兼容。键盘记忆是持久的，这意味着无论你在哪里插入键盘，它都会记住设置。

在VIA软件页面上半部分，鼠标点击选择你想要更改的按键，然后再用鼠标点击VIA软件页面下半部分中你想要更改的按键，该按键功能生效。

更多设置板块请见以下说明：

宏设置
ZUOYA GMK87默认配置了0-3层4个层级，每个单独的按键都可以拥有多个功能。
这对于较小的键盘很重要，因为它们没有足够的按键来实现所需的所有功能。

特殊键设置
在此可以通过按键变更功能将特殊按键替换到你想要的按键上，实现该功能的快捷操作。

其他定制化
ZUOYA GMK87提供其他功能按键的定制化按键
ZUOYA GMK87默认定制的0-3层键盘布局图
层0: 当你使用键盘连接到Win系统设备时，层0将被激活使用
层1: 当你使用键盘连接到Mac系统设备时，层0将被激活使用，其中按住Left Alt=Left Option Left Win=Left Command Right Alt=Right Option

层1: 当你使用键盘连接到Win/Mac系统设备时，长按Fn1(3)按键层1将被激活使用



层2: 当你使用键盘连接到Win/Mac系统设备时，通过VIA改键设置任意按键为MO(2)保存后，长按MO(2)按键层2将被激活使用



层3: 当你使用键盘连接到Win/Mac系统设备时，通过VIA改键设置任意按键为MO(3)保存后，长按MO(3)按键层3将被激活使用



按键说明

Hue+	灯效色相加	BT 3	蓝牙设备对码
Sat+	灯效饱和度+	Bright+	键盘亮度+
RGB Md+	下一个RGB灯模式	Lock Win	锁定Windows
RGB Tog...	关闭开启键背光	USB Mode	切换SB模式
Win...	切换Windows模式	RGB DI	RGB灯亮-
Mac...	切换Mac模式	Bright-	键盘亮度-
Hue-	灯效色相减	RGB BP	RGB灯灭+
Sat-	灯效饱和度-	Fn(1)	长按Fn1(1)将1激活
BT 1	蓝牙设备对码	MO(2)	长按MO(2)将2激活
BT 2	蓝牙设备对码	MO(3)	长按MO(3)将3激活

Thank you for purchasing our ZUOYA GMK87 mechanical keyboard. We hope you will be pleased with both the product and service you received. The following is a detailed introduction of the functions and operation method of this product.

Default Hot Keys
Hold FN + listed keys to activate

LED Setting Keys

FN+↑: LED backlight brightness Increase
FN+↓: LED backlight brightness decrease
FN+←: LED backlight hue increase
FN+→: LED backlight hue decrease
FN+I: Toggle LED backlight mode
FN+←: LED backlight speed decrease
FN+→: LED backlight speed increase
FN+↑: LED backlight saturation decrease
FN+↓: LED backlight saturation increase
FN+Backspace: Turn off/on the key area backlight
FN+PG UP: Toggle strip light mode
FN+PG DN: Toggle strip light color
FN+Space: Long press FN+Space for 3 seconds to reset the keyboard to the factory setting.

Media Keys

FN+F1: Music Player
FN+F2: Volume -
FN+F3: Volume +
FN+F4: Mute
FN+F5: Stop
FN+F6: Previous
FN+F7: Play/Pause
FN+F8: Next
FN+F9: Email
FN+F10: Web
FN+F11: Calculator
FN+WIN: Lock/Unlock Win
FN+X: ON/OFF LCD

Knob

The upper right knob switch rotates clockwise to increase volume, counterclockwise to decrease volume, and presses down to mute. **USB Wired/BT5.0/2.4G Tri Mode Pairing Method:**

Wired Mode:

Please toggle the mode switch to wired (USB mode) , and then insert USB cable into your computer, the LCD lights on it means connection successful.

Bluetooth® Pairing Instructions:

Perform the following steps to pair this keyboard with your device(s).

1.ZUOYA GMK87 can be paired with up to three devices at the same time. Please toggle the mode switch to the Bluetooth mode . Long press FN + Q or FN+W or FN+E for 3-5 seconds to enter pairing mode. At this time, Screen will flash 2.4G icon quickly .Insert 2.4G dongle to USB port . After the connection is successful, the screen will stop blinking . **Auto sleep mode**

In Bluetooth mode, the deep sleep mode will be entered after 30 minutes without key press , and the Bluetooth is disconnected. Press any key to exit the deep sleep mode, the LCD will turn on and re- connect to Bluetooth.

In Bluetooth mode, the deep sleep mode will be entered after 30 minutes without key press , and the Bluetooth is disconnected. Press any key to exit the deep sleep mode, the LCD will turn on and re- connect to Bluetooth.

2.4Ghz connection Instruction:

Custom the wallpaper

1.Please toggle the mode switch to 2.4Ghz mode . Screen will flash 2.4G icon quickly

ZUOYA GMK87 supports to custom animation and static picture. Total 2 sets can be customized .

2.Plug the receiver into USB port of the device, 2.4g icon will cease flashing and light on which means the connection is successful.

3. Download ZUOYA GMK87-2.4G.JSON and ZUOYA GMK87-USB.JSON file via distributor and load the file. (2.4G if on 2.4g mode or USB if on wired)

4. On the top half of VIA software, choose one key by your mouse, and then select the key that you wanted on the bottom half of VIA software, and it was effected.

5. If the VIA software cannot recognize your keyboard, please reach out our support to get the instruction.

6. VIA automatically detects your compatible keyboard if it's plugged in. Keyboard memory is persistent, which means that wherever you plug in keyboard, it remembers the settings.

7. If the VIA software cannot recognize your keyboard, please reach out our support to get the instruction.

8. ZUOYA GMK87 default customized 0-3 layer keyboard layout.

Layer0 : This layer will be activated when your keyboard connected to the Windows system.

Layer0 : This layer will be activated when your keyboard connected to the Mac system. Left Alt=Left Option Left Win=Left Command Right Alt=Right Option

Layer 1: When the keyboard connect to Win/Mac system device, long press Fn1(3) key layer 1 will be activated .

Layer 2: When the keyboard connect to Win/Mac system device, remapped any keys to MO(2),long press MO(2) key ,layer 2 will be activated .

Layer 3: When the keyboard connect to Win/Mac system device, remapped any keys to MO(3),long press MO(3) key ,layer 3 will be activated .

2. Download ZUOYA GMK87-2.4G.JSON and ZUOYA GMK87-USB.JSON file via distributor and load the file. (2.4G if on 2.4g mode or USB if on wired)

3. Installation is completed and VIA software connected successfully if show below picture .

4. If the VIA software cannot recognize your keyboard, please reach out our support to get the instruction.

5. VIA automatically detects your compatible keyboard if it's plugged in. Keyboard memory is persistent, which means that wherever you plug in keyboard, it remembers the settings.

6. If the VIA software cannot recognize your keyboard, please reach out our support to get the instruction.

7. ZUOYA GMK87 VIA software provides many different RGB lighting effects by default. You can change the lighting brightness, speed, color and customize the lighting effect you want. You can also change the key to operate the lighting effect you set.

8. ZUOYA GMK87 VIA software provides many different RGB lighting effects by default. You can change the lighting brightness, speed, color and customize the lighting effect you want. You can also change the key to operate the lighting effect you set.

9. ZUOYA GMK87 VIA software provides many different RGB lighting effects by default. You can change the lighting brightness, speed, color and customize the lighting effect you want. You can also change the key to operate the lighting effect you set.

10. ZUOYA GMK87 VIA software provides many different RGB lighting effects by default. You can change the lighting brightness, speed, color and customize the lighting effect you want. You can also change the key to operate the lighting effect you set.

11. ZUOYA GMK87 VIA software provides many different RGB lighting effects by default. You can change the lighting brightness, speed, color and customize the lighting effect you want. You can also change the key to operate the lighting effect you set.

12. ZUOYA GMK87 VIA software provides many different RGB lighting effects by default. You can change the lighting brightness, speed, color and customize the lighting effect you want. You can also change the key to operate the lighting effect you set.

13. ZUOYA GMK87 VIA software provides many different RGB lighting effects by default. You can change the lighting brightness, speed, color and customize the lighting effect you want. You can also change the key to operate the lighting effect you set.

14. ZUOYA GMK87 VIA software provides many different RGB lighting effects by default. You can change the lighting brightness, speed, color and customize the lighting effect you want. You can also change the key to operate the lighting effect you set.

15. ZUOYA GMK87 VIA software provides many different RGB lighting effects by default. You can change the lighting brightness, speed, color and customize the lighting effect you want. You can also change the key to operate the lighting effect you set.

16. ZUOYA GMK87 VIA software provides many different RGB lighting effects by default. You can change the lighting brightness, speed, color and customize the lighting effect you want. You can also change the key to operate the lighting effect you set.

17. ZUOYA GMK87 VIA software provides many different RGB lighting effects by default. You can change the lighting brightness, speed, color and customize the lighting effect you want. You can also change the key to operate the lighting effect you set.

18. ZUOYA GMK87 VIA software provides many different RGB lighting effects by default. You can change the lighting brightness, speed, color and customize the lighting effect you want. You can also change the key to operate the lighting effect you set.

19. ZUOYA GMK87 VIA software provides many different RGB lighting effects by default. You can change the lighting brightness, speed, color and customize the lighting effect you want. You can also change the key to operate the lighting effect you set.

20. ZUOYA GMK87 VIA software provides many different RGB lighting effects by default. You can change the lighting brightness, speed, color and customize the lighting effect you want. You can also change the key to operate the lighting effect you set.

21. ZUOYA GMK87 VIA software provides many different RGB lighting effects by default. You can change the lighting brightness, speed, color and customize the lighting effect you want. You can also change the key to operate the lighting effect you set.

22. ZUOYA GMK87 VIA software provides many different RGB lighting effects by default. You can change the lighting brightness, speed, color and customize the lighting effect you want. You can also change the key to operate the lighting effect you set.

23. ZUOYA GMK87 VIA software provides many different RGB lighting effects by default. You can change the lighting brightness, speed, color and customize the lighting effect you want. You can also change the key to operate the lighting effect you set.

24. ZUOYA GMK87 VIA software provides many different RGB lighting effects by default. You can change the lighting brightness, speed, color and customize the lighting effect you want. You can also change the key to operate the lighting effect you set.

25. ZUOYA GMK87 VIA software provides many different RGB lighting effects by default. You can change the lighting brightness, speed, color and customize the lighting effect you want. You can also change the key to operate the lighting effect you set.

26. ZUOYA GMK87 VIA software provides many different RGB lighting effects by default. You can change the lighting brightness, speed, color and customize the lighting effect you want. You can also change the key to operate the lighting effect you set.

27. ZUOYA GMK87 VIA software provides many different RGB lighting effects by default. You can change the lighting brightness, speed, color and customize the lighting effect you want. You can also change the key to operate the lighting effect you set.

28. ZUOYA GMK87 VIA software provides many different RGB lighting effects by default. You can change the lighting brightness, speed, color and customize the lighting effect you want. You can also change the key to operate the lighting effect you set.

29. ZUOYA GMK87 VIA software provides many different RGB lighting effects by default. You can change the lighting brightness, speed, color and customize the lighting effect you want. You can also change the key to operate the lighting effect you set.

30. ZUOYA GMK87 VIA software provides many different RGB lighting effects by default. You can change the lighting brightness, speed, color and customize the lighting effect you want. You can also change the key to operate the lighting effect you set.

31. ZUOYA GMK87 VIA software provides many different RGB lighting effects by default. You can change the lighting brightness, speed, color and customize the lighting effect you want. You can also change the key to operate the lighting effect you set.

32. ZUOYA GMK87 VIA software provides many different RGB lighting effects by default. You can change the lighting brightness, speed, color and customize the lighting effect you want. You can also change the key to operate the lighting effect you set.

33. ZUOYA GMK87 VIA software provides many different RGB lighting effects by default. You can change the lighting brightness, speed, color and customize the lighting effect you want. You can also change the key to operate the lighting effect you set.

34. ZUOYA GMK87 VIA software provides many different RGB lighting effects by default. You can change the lighting brightness, speed, color and customize the lighting effect you want. You can also change the key to operate the lighting effect you set.

35. ZUOYA GMK87 VIA software provides many different RGB lighting effects by default. You can change the lighting brightness, speed, color and customize the lighting effect you want. You can also change the key to operate the lighting effect you set.

36. ZUOYA GMK87 VIA software provides many different RGB lighting effects by default. You can change the lighting brightness, speed, color and customize the lighting effect you want. You can also change the key to operate the lighting effect you set.

37. ZUOYA GMK87 VIA software provides many different RGB lighting effects by default. You can change the lighting brightness, speed, color and customize the lighting effect you want. You can also change the key to operate the lighting effect you set.

38. ZUOYA GMK87 VIA software provides many different RGB lighting effects by default. You can change the lighting brightness, speed, color and customize the lighting effect you want. You can also change the key to operate the lighting effect you set.

39. ZUOYA GMK87 VIA software provides many different RGB lighting effects by default. You can change the lighting brightness, speed, color and customize the lighting effect you want. You can also change the key to operate the lighting effect you set.

40. ZUOYA GMK87 VIA software provides many different RGB lighting effects by default. You can change the lighting brightness, speed, color and customize the lighting effect you want. You can also change the key to operate the lighting effect you set.

41. ZUOYA GMK87 VIA software provides many different RGB lighting effects by default. You can change the lighting brightness, speed, color and customize the lighting effect you want. You can also change the key to operate the lighting effect you set.

42. ZUOYA GMK87 VIA software provides many different RGB lighting effects by default. You can change the lighting brightness, speed, color and customize the lighting effect you want. You can also change the key to operate the lighting effect you set.

43. ZUOYA GMK87 VIA software provides many different RGB lighting effects by default. You can change the lighting brightness, speed, color and customize the lighting effect you want. You can also change the key to operate the lighting effect you set.

44. ZUOYA GMK87 VIA software provides many different RGB lighting effects by default. You can change the lighting brightness, speed, color and customize the lighting effect you want. You can also change the key to operate the lighting effect you set.

45. ZUOYA GMK87 VIA software provides many different RGB lighting effects by default. You can change the lighting brightness, speed, color and customize the lighting effect you want. You can also change the key to operate the lighting effect you set.

46. ZUOYA GMK87 VIA software provides many different RGB lighting effects by default. You can change the lighting brightness, speed, color and customize the lighting effect you want. You can also change the key to operate the lighting effect you set.

47. ZUOYA GMK87 VIA software provides many different RGB lighting effects by default. You can change the lighting brightness, speed, color and customize the lighting effect you want. You can also change the key to operate the lighting effect you set.

48. ZUOYA GMK87 VIA software provides many different RGB lighting effects by default. You can change the lighting brightness, speed, color and customize the lighting effect you want. You can also change the key to operate the lighting effect you set.

49. ZUOYA GMK87 VIA software provides many different RGB lighting effects by default. You can change the lighting brightness, speed, color and customize the lighting effect you want. You can also change the key to operate the lighting effect you set.

50. ZUOYA GMK87 VIA software provides many different RGB lighting effects by default. You can change the lighting brightness, speed, color and customize the lighting effect you want. You can also change the key to operate the lighting effect you set.

51. ZUOYA GMK87 VIA software provides many different RGB lighting effects by default. You can change the lighting brightness, speed, color and customize the lighting effect you want. You can also change the key to operate the lighting effect you set.

52. ZUOYA GMK87 VIA software provides many different RGB lighting effects by default. You can change the lighting brightness, speed, color and customize the lighting effect you want. You can also change the key to operate the lighting effect you set.

53. ZUOYA GMK87 VIA software provides many different RGB lighting effects by default. You can change the lighting brightness, speed, color and customize the lighting effect you want. You can also change the key to operate the lighting effect you set.

54. ZUOYA GMK87 VIA software provides many different RGB lighting effects by default. You can change the lighting brightness, speed, color and customize the lighting effect you want. You can also change the key to operate the lighting effect you set.

55. ZUOYA GMK87 VIA software provides many different RGB lighting effects by default. You can change the lighting brightness, speed, color and customize the lighting effect you want. You can also change the key to operate the lighting effect you set.

56. ZUOYA GMK87 VIA software provides many different RGB lighting effects by default. You can change the lighting brightness, speed, color and customize the lighting effect you want. You can also change the key to operate the lighting effect you set.

57. ZUOYA GMK87 VIA software provides many different RGB lighting effects by default. You can change the lighting brightness, speed, color and customize the lighting effect you want. You can also change the key to operate the lighting effect you set.

58. ZUOYA GMK87 VIA software provides many different RGB lighting effects by default. You can change the lighting brightness, speed, color and customize the lighting effect you want. You can also change the key to operate the lighting effect you set.

59. ZUOYA GMK87 VIA software provides many different RGB lighting effects by default. You can change the lighting brightness, speed, color and customize the lighting effect you want. You can also change the key to operate the lighting effect you set.

60. ZUOYA GMK87 VIA software provides many different RGB lighting effects by default. You can change the lighting brightness, speed, color and customize the lighting effect you want. You can also change the key to operate the lighting effect you set.

61. ZUOYA GMK87 VIA software provides many different RGB lighting effects by default. You can change the lighting brightness, speed, color and customize the lighting effect you want. You can also change the key to operate the lighting effect you set.

62. ZUOYA GMK87 VIA software provides many different RGB lighting effects by default. You can change the lighting brightness, speed, color and customize the lighting effect you want. You can