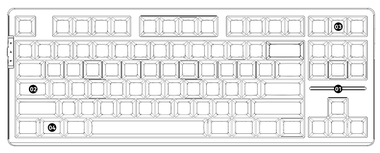
封底 封皮

125mm

200mm



▶ 按键说明

⑩ 长条指示灯：可切换显示灯效和电量；低电量和连接状态提示
⑪ CAPS指示灯：CAPS键位灯区分大小写状态，大写状态时常亮
⑫ Scrollk指示灯：Scrollk键位灯区分滚动锁定状态，开启状态时常亮
⑬ WIN指示灯：WIN键位灯区分WIN锁定状态，WIN锁定时常亮，此时WIN键无法使用

Alt WIN键：锁定WIN键时无法使用，MAC模式下为option键

Alt ALT键：MAC模式下为Command键

Windows / MAC模式

FN + A 切换为Windows模式

FN + S 切换为MAC模式

在接入Windows系统时
如果切换为MAC模式

WIN or ALT 对调WIN和ALT键

型号：VE7+
生产商：深圳市三禾科技有限公司
出品商：三禾科技科技有限公司

Model: VE7+
Manufacturer: Shenzhen Hohta Technology Co., Ltd
Producer: Shenghai Hoht Technology Co., Ltd.

▶ 快速开始

2.4G无线连接

❶ 从右侧收纳槽中取出接收器
❷ 将接收器插入电脑的 USB 端口
❸ 将左侧的模式切换开关拨至2.4G模式

有线连接

❶ 将 USB-C 连接线插入键盘的端口
❷ 将线缆连接至电脑
❸ 将左侧的模式切换开关拨至中间

蓝牙连接

❶ 将左侧的模式切换开关拨至蓝牙模式
❷ 长按 FN + 数字键 1、2 或者 3 开始配对，配对时长条指示灯快闪
❸ 最多支持配对 3 台设备。按 FN + 数字键 1、2 或者 3 可以切换设备

▶ 电源管理

电量查看

可通过FN+右CTRL查看电量。可在长条指示灯上查看电源百分比。

- 100%~80%电量：8个灯珠全亮绿色
- 80%~70%电量：从左至右7个灯珠亮绿色，剩下熄灯
- 70%~60%电量：从左至右6个灯珠亮绿色，剩下熄灯
- 60%~50%电量：从左至右5个灯珠亮绿色，剩下熄灯
- 50%~40%电量：从左至右4个灯珠亮绿色，剩下熄灯
- 40%~30%电量：从左至右3个灯珠亮黄色，剩下熄灯
- 30%~20%电量：从左至右2个灯珠亮黄色，剩下熄灯
- 20%以下：最左边1个灯珠亮红色，剩下熄灯

低电量提示

在低电量时，指示灯条红色闪烁。

充电方式

在任何模式下，通过配备的数据线将键盘与电脑相连接都将为键盘充电。
在数据线连接状态下，按FN+右CTRL可在长条指示灯上查看充电状态，按住时 绿色流光表示正在充电 条绿色常亮表示已经充满 。

休眠功能

在蓝牙和2.4G模式时，键盘静止30分钟后进入一级休眠，背光关闭；静止10分钟后进入二级休眠，蓝牙/2.4G断开，按任意键可立即回连。

FCC Warning
15.19 Labelling requirements.
This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:
(1) This device may not cause harmful interference, and
(2) this device must accept any interference received, including interference that may cause undesired operation.
15.21 Information to user.
Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.
15.105 Information to the user.
Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:
•Reorient or relocate the receiving antenna.
•Increase the separation between the equipment and receiver.
•Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
•Consult the dealer or an experienced radio/TV technician for help.
FCC RF Radiation Exposure Statement:
1.This Transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.
2.This equipment complies with RF radiation exposure limits set forth for an uncontrolled environment.
This equipment should be installed and operated with minimum distance 0mm between the radiator and your body.

▶ Product Specifications

Cable Length: 1.8m
Battery Type: Lithium Battery
Battery Capacity: 8000mAh

▶ Safety Precautions

Safety Instructions:
Do not use the device in humid or high-temperature environments to avoid potential damage.
Do not submerge the product in any liquid to prevent short circuits or damage to electronic components.
Do not disassemble or modify the keyboard yourself, as this may damage the device and pose safety risks.
If the keyboard malfunctions, please contact a professional technician for repairs.
If the keyboard becomes unusually hot, emits smoke, or has a strange odor, stop using it immediately.

Usage and Maintenance:
Use only manufacturer-approved accessories compatible with this model to prevent damage to the product.
Regularly clean the keyboard surface with a soft, dry cloth.
Avoid using wet cloths or corrosive cleaners, as they may damage the keyboard.
When not in use, store the product in a dry, well-ventilated place.

Precautions:
Use batteries that meet the specifications for the keyboard. Avoid mixing different types or using substandard batteries, as this may damage the device.
If the keyboard will not be used for an extended period, remove the batteries to prevent leakage that could damage the keyboard.

Warning!
This product is not suitable for children under 14 years of age.It contains small parts and power cords, which pose a choking hazard. Do not ingest. Keep power cords out of reach of infants and ensure they are not wrapped around the neck.

▶ FN 组合按键/灯效控制

FN +

多媒体快捷组合键			
按键	Windows系统	MAC系统	备注
F1	我的电脑	屏幕亮度减少	
F2	主页	屏幕亮度增加	
F3	计算器	控制台(CTRL+左侧键上)	
F4	播放器	搜索(Win+F)	
F5	上一曲	静音麦克	
F6	下一曲	截图(Win+shift+4)	
F7	暂停 / 播放	上一曲	
F8	停止	播放/暂停	
F9	静音	下一曲	
F10	音量降低	静音	
F11	音量提高	音量减小	
F12	邮箱	音量增加	
ESC	长按3秒，恢复出厂设置		
A	切换至Windows模式		
S	切换至MAC模式，功能见按键说明		WIN键与ALT键对调
左 WIN	锁定WIN键，锁定时WIN键无法使用		WIN指示灯常亮
右 CTRL	显示充电灯效		灯条绿色常亮=充满，灯条绿色常闪=充电
1	切换至蓝牙设备1，长按配对		长条指示灯蓝色闪烁
2	切换至蓝牙设备2，长按配对		长条指示灯青色闪烁
3	切换至蓝牙设备3，长按配对		长条指示灯黄色闪烁
4	长按配对2.4G接收器		长条指示灯绿色闪烁

+

灯效控制	
DEL	关闭 / 打开背光（牢记）
INS	切换背光模式
←	背光灯光方向切换
→	快速调节七色背光
↑	背光亮度提高
↓	背光亮度降低
↔	背光速度增加
↕	背光速度减小
HOME	切换长条指示灯灯效
END	长条指示灯颜色切换
PGUP	长条指示灯速度增加
PGDN	长条指示灯速度减小
[[	长条指示灯亮度降低
]]	长条指示灯亮度提高

▶ 灯光效果

灯光自定义功能

FN + ~

按下 FN + ~ 调用自定义灯光。仅支持一组自定义记忆灯光。

自定义灯光编辑：
按 FN + ~ 切换至自定义灯光模式。
再按下 FN + ~ 开始编辑灯光，此时按下需定义的按键，每按一下键盘灯光颜色变换。
编辑完成后再次按下 Fn + ~ 保存已经编辑的灯光。

长条指示灯效

FN + A / Alt WIN

有线模式： 按下FN+右CTRL，显示充电灯效：灯条绿色跑马➡充电，灯条绿色常亮➡充满。

无线模式： 设备未连接时，灯效优先指示无线通道。
设备连接后，按下 FN+右CTRL，显示充电灯效：灯条绿色跑马➡充电，灯条绿色常亮➡充满。
设备配对时，长条指示灯快闪，同连时，长条指示灯慢闪
(2.4G模式➡ 灯1蓝色➡ 灯2紫色➡ 灯3青色➡)
配对成功后，恢复正常灯效。

▶ 常见疑难

Q 为什么我的WIN键无法使用？

A 在按下FN+WIN键后锁定WIN键的情况下，WIN键是无法被发送和使用的，此时键盘上的WIN指示灯呈常亮状态，再次按下FN+WIN即可解锁。

Q 为什么我的WIN键和ALT键对调了，F1-F12没有反应或变成功能键？

A 在按下FN+S后，键盘会切换成MAC模式，此时将Windows系统下，会表现为WIN键和ALT键对调，FN+F1-F12 变为功能键；按下FN+A即可切回Windows模式。

▶ Lighting Effects

Custom Lighting Editing

FN + ~

Press FN + ~ to activate custom backlighting, which supports only one set of custom memory lighting.
Custom Lighting Steps
Press FN + ~ to switch to custom lighting mode.Press FN + ~ again to start editing the lighting.
Press the keys you want to define; each press will change the keyboard lighting color.
After finishing the editing, press FN + ~ again to save the custom lighting.

Strip Indicator Lighting Effects

FN + A / Alt WIN

Wired Mode: Wired Mode: Press FN + Right CTRL to show charging effect: ▬ green flowing light while charging; ▬ steady green light when fully charged.

Wireless Mode: Wireless Mode: When no device is connected, the strip indicator will prioritize the wireless channel.
After connecting a device, press FN + Right CTRL to show charging effect;
▬ green flowing light while charging; ▬ steady green light when fully charged.
During pairing, the strip indicator flashes quickly;
when reconnecting, it flashes slowly.(2.4G: green ▬, BT1: blue ▬, BT2: purple ▬, BT3: cyan ▬).
After successful pairing, it returns to normal lighting effects.

▶ FAQ

Q Why is my WIN key not working?

A The WIN key is locked when you press FN + WIN. The WIN indicator light will be on. Press FN + WIN again to unlock it.

Q Why are my WIN and ALT keys swapped, and the F1-F12 keys not working or acting as function keys?

A Pressing FN + S switches the keyboard to MAC mode. In this mode, the WIN and ALT keys are swapped, and FN + F1-F12 functions as function keys. Press FN + A to switch back to Windows mode.

▶ FN Key Combinations / Lighting Control

FN +

Multimedia shortcut key combination			
Key	Windows System	MAC System	Note
F1	My Computer	Decrease Brightness	
F2	Homepage	Increase Brightness	
F3	Calculator	Search(CTRL + Up Arrow, CTRL + Up Arrow)	
F4	Media Player	Search(WIN + F)	
F5	Previous Track	Activate Siri	
F6	Next Track	Screenshot (Win+Shift+4)	
F7	Pause / Play	Previous Track	
F8	Stop	Play / Pause	
F9	Mute	Next Track	
F10	Decrease Volume	Mute	
F11	Increase Volume	Decrease Volume	
F12	Email	Increase Volume	
ESC	Press and hold for 3 seconds to reset to factory settings		
A	Switch to Windows Mode		
S	See key function description		WIN and ALT keys are swapped
Left WIN	Locks the WIN key, disables it when locked		WIN key indicator
Right CTRL	Displays charging indicator		Strong pre-light + Charging lab pre-light + fully charged
1	Switch to Bluetooth device 1, long press to pair		Bar indicator light flashes blue
2	Switch to Bluetooth device 2, long press to pair		Bar indicator light flashes cyan
3	Switch to Bluetooth device 3, long press to pair		Bar indicator light flashes yellow
4	Switch to Bluetooth device 4, long press to pair		Bar indicator light flashes green

+

Lighting Control	
DEL	Turn Off / On Backlight (With Memory)
INS	Switch Backlight Modes
←	Change Backlight Direction
→	Quickly Adjust Seven-Color Backlight
↑	Increase Backlight Brightness
↓	Decrease Backlight Brightness
↔	Increase Backlight Speed
↕	Decrease Backlight Speed
HOME	Toggle Bar Indicator Light Effects
END	Switch Bar Indicator Light Colours
PGUP	Increase Bar Indicator Light Speed
PGDN	Decrease Bar Indicator Light Speed
[[	Decrease Bar Indicator Light Brightness
]]	Increase Bar Indicator Light Brightness

▶ 产品参数

电池类型：锂电池
线长：1.8m
电池容量：8000mAh

▶ 安全注意

安全须知：
请勿在潮湿、高温的环境下使用设备，以免造成产品损坏。
请勿将产品浸入任何液体中，以免造成短路或损坏电子元件。
请勿自行拆解或改装键盘，以免损坏键盘导致安全隐患。
如键盘出现故障，请联系专业的维修人员进行维修。
在使用过程中，避免剧烈撞击和挤压，重物和异味等，应立即停止使用。

使用及维护：
请使用设备指南认可且与该型号配套的配件，以免造成产品损坏。
请定期使用干净、柔软的布轻轻擦拭键盘表面。
避免使用潮湿或含有腐蚀性物质的清洁剂，以免损坏键盘。
不使用产品时，请将其存放在干燥、通风处。

注意事项：
请使用符合键盘规格要求的电池，避免使用劣质电池或不同型号的电池混合使用导致键盘损坏。
长时间不使用键盘时，请将电池取出，以防电池漏液损坏键盘。

警告！
本产品不适合14岁以下儿童使用，内含小零件及电源线，有窒息危险，请勿吞食。电源线请置于远离婴幼儿的地方，切勿缠绕在颈上。

▶ Key Descriptions

⑩ **Strip Indicator Light:** Displays multiple lighting effects and can be used to check the battery status.
⑪ **CAPS Indicator:** Shows caps lock status. When caps lock is on, the light remains steady.
⑫ **Scroll Indicator:** Shows scroll lock status. The light remains steady when scroll lock is active.
⑬ **WIN Indicator:** Shows the lock status of the Windows key. The light remains steady when the key is locked, disabling the Windows key.

Alt WIN Key: Disabled when locked; functions as the Option key in Mac mode

Alt ALT Key: Functions as the Command key in Mac mode

Windows / MAC Mode

FN + A Switch to Windows Mode

FN + S Switch to Mac Mode

When in MAC mode on a Windows system

WIN or ALT Swap WIN and ALT Keys

▶ Quick Start

2.4G Wireless Connection

❶ Remove the 2.4GHz receiver from the storage slot.
❷ Insert the 2.4GHz receiver into a USB port on your computer.
❸ Slide the mode switch on the left to the 2.4GHz mode.

Wired Connection

❶ Insert the USB-C connection cable into the keyboard's port.
❷ Connect the cable to your computer.
❸ Slide the mode switch on the left to the middle position.

Bluetooth Connection

❶ Slide the mode switch on the left to Bluetooth mode.
❷ Long-press FN + number key 1, 2, or 3 to start pairing. During pairing, the strip indicator will flash quickly.
❸ Can be paired up to 3 devices. Press FN + number key 1, 2, or 3 to switch between devices.

▶ Power Management

Battery Level Check To check the battery level, press FN+Right CTRL. The battery percentage will be displayed on the strip indicator light.

- 100%~80% Battery: All 8 indicator lights are green.
- 80%~70% Battery: 7 lights from left to right are green, the rest are off.
- 70%~60% Battery: 6 lights from left to right are green, the rest are off.
- 60%~50% Battery: 5 lights from left to right are green, the rest are off.
- 50%~40% Battery: 4 lights from left to right are green, the rest are off.
- 40%~30% Battery: 3 lights from left to right are yellow, the rest are off.
- 30%~20% Battery: 2 lights from left to right are yellow, the rest are off.
- Below 20%: The leftmost light is red, the rest are off.

Low Battery Warning When the battery is low, all numeric keys flash red.

Charging Method In any mode, connect the keyboard to your computer using the supplied data cable to charge the keyboard.
While connected via the data cable, press FN + Right CTRL to check the charging status on the strip indicator:
Green flowing light: ▬ Charging in progress Steady green light: ▬ Fully charged

Sleep Mode
In Bluetooth and 2.4G modes, the keyboard enters level one sleep after 3 minutes of inactivity, turning off the backlight.
After 10 minutes of inactivity, it enters level two sleep, disconnecting Bluetooth/2.4G. Press any key to reconnect immediately.