

# ONE 4

# 使用說明

VORTEX

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## 連接方式

藍牙 / 2.4Ghz / USB

Fn +

### 配對藍牙裝置 (長按3秒)

# 3	藍牙裝置 1	LED1和2閃黃燈2秒
\$ 4	藍牙裝置 2	LED3閃黃燈2秒
% 5	藍牙裝置 3	LED1和3閃黃燈2秒

### 切換連接方式

! 1	USB	LED1閃黃燈2秒
@ 2	2.4 Ghz	LED2閃黃燈2秒
# 3	藍牙裝置 1	LED1和2閃黃燈2秒
\$ 4	藍牙裝置 2	LED3閃黃燈2秒
% 5	藍牙裝置 3	LED1和3閃黃燈2秒

打開電源開關，按著Fn + 3 / 4 / 5 三秒後進入配對模式，設備端會顯示ONE4#1 / 2 / 3，按下確認後即配對完成。過程中指示燈LED1 / 2 / 3 依序顯示黃燈閃爍。

### Macro說明 (支援藍芽模式Macro)

- Fn + 數字鍵區1-4 選擇編輯層，1 為原始層，2/3/4 為可編輯層，右上LED1/2/3 指示燈顯示綠/紅/黃。
- Fn + 數字鍵區0 (絕對位置)進入編輯，LED1/2/3 指示燈會持續閃所選編輯層顏色燈，準備開始錄製。
- 選擇要編輯的鍵，該層指示燈恆亮(每個按鍵編輯長度32鍵)。
- 錄製方式，首先定義按鍵組合(例: A鍵或是FN + A)，接下來定義輸出(例: 12345678)再按FN + 數字鍵區的. (小數點) 鍵確認，該層燈色再次閃爍。
- 錄製完成後，可以接著再錄下一個，再按著步驟4.的做法重複即可。若不再錄製，就需要退出編程模式。按FN + 數字鍵區的0 即可退出。

電池規格：鋰電池  
工作電流：9mA——鬆開按鍵將進入待機模式  
待機電流：4mA——待機30分鐘將進入休眠模式  
休眠電流：0.7mA (藍牙將中斷連線)  
額定輸入：5V 500mA



### LED 1 / 2 / 3 指示燈

LED1綠燈：Num Lock  
LED2綠燈：Caps Lock  
LED3綠燈：Scroll Lock  
LED1紅燈：Caps與Ctrl互換  
LED2紅燈：Windows Lock  
LED3紅燈：Fn (F1-F12)主從切換

註：定義的指示燈中，若兩種皆有開啟，例如Caps Lock與Windows Lock都有亮起，則變成黃燈。

產品名稱：機械鍵盤  
產品型號：VTK-1080  
產品尺寸：  
L\*W\*H：44.0\*13.5\*3.0 cm ± 0.3

### 按下 Fn + P 查看電量

66%-100%：LED1.2.3 閃紅燈兩秒  
33%-66%：LED1.2 閃紅燈兩秒  
33%以下：LED1 閃紅燈1秒  
低電量顯示(按任意鍵時出現)：LED2 閃紅燈  
無法充電：LED1.2.3 依序閃紅燈

### Fn 切換

僅能使用於(2 / 3 / 4 層)  
同時按住Capslock、L\_Ctrl、R\_Win進入Fn設定模式(閃白燈)。這時第一個按的鍵為Fn鍵(Ins / Enter / Shift 不能使用為Fn，並且Fn層無法進行Macro)。

### 按下 Fn + X 查看目前頻道

LED1= 1 LED2= 2 LED3= 4  
頻道1：LED1 閃黃燈二秒  
頻道2：LED2 閃黃燈二秒  
頻道3：LED1.2 閃黃燈二秒  
頻道4：LED3 閃黃燈二秒  
頻道5：LED1.3 閃黃燈二秒

## Fn組合鍵

### WINDOWS O.S

Fn +

F1 = 螢幕亮度 -	F11 = 音量 -
F2 = 螢幕亮度 +	F12 = 音量 +
F4 = 搜尋	O = 指示燈開/關
F5 = 語音輸入	P = 查看電量
F6 = 休眠	M = 切換為 MAC O.S
F7 = 上一首	W = 切換為 WINDOWS O.S
F8 = 播放/暫停	Tab = F1-F12 主從切換
F9 = 下一首	Capslock = Caps/Ctrl 互換
F10 = 靜音	L_Windows = Windows Lock

? / = Menu
X = 查看目前頻道

R = 按住5秒 回復當層鍵值(絕對位置)
當前層的指示LED燈亮5次

R_Alt + L_Alt = 按住5秒 重置為出廠預設值
LED1.2.3 亮紅燈5次

### MAC O.S

F1-F12 不需使用Fn組合鍵

Fn +

F1 = 螢幕亮度 -	F10 = 靜音
F2 = 螢幕亮度 +	F11 = 音量 -
F3 = Mission Control	F12 = 音量 +
F4 = Spotlight	O = 指示燈開/關
F5 = 聽寫/Siri	P = 查看電量
F6 = 勿擾模式	M = 切換為 MAC O.S
F7 = 倒轉	W = 切換為 WINDOWS O.S
F8 = 播放/暫停	Capslock = Caps/Ctrl 互換
F9 = 快轉	

X = 查看目前頻道
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R = 按住5秒 回復當層鍵值(絕對位置)
當前層的指示LED燈亮5次

R_Alt + L_Alt = 按住5秒 重置為出廠預設值
LED1.2.3 亮紅燈5次

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. Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment. 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. The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction.

公司名稱：沃特斯有限公司  
公司地址：台北市內湖區舊宗路二段181巷14號4樓

> NCC警語

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VORTEXKEYBOARD

VORTEX

TECHNICAL SUPPORT  
vortexkeyboard.ts@gmail.comCUSTOMER SERVICE  
vortexkeyboard.cs@gmail.comOFFICIAL WEBSITE  
www.vortexgear.storeProduct Name : Mechanical Keyboard  
Model Name : VTK-1080  
Product Size :  
L\*W\*H : 44.0\*13.5\*3.0 cm ± 0.3Battery : Lithium battery  
Working Current : 9mA — Release the key will enter into standby mode  
Standby Current : 4mA — Hibernate for 30 minutes will enter into sleep mode  
Sleep Current : 0.7mA (Bluetooth will be disconnected)  
Rated Input Power : 5V 500mA

## Connection

### Bluetooth / 2.4Ghz / USB

Fn +

#### Pairing Bluetooth devices (Press for 3 seconds)

# 3	Device 1	LED1 and LED2 Flashes yellow light for 2 seconds
\$ 4	Device 2	LED3 Flashes yellow light for 2 seconds
% 5	Device 3	LED1 and LED3 Flashes yellow light for 2 seconds

#### Switch between paired devices

1	USB	LED1 Flashes yellow light for 2 seconds
2	2.4 Ghz	LED2 Flashes yellow light for 2 seconds
# 3	Device 1	LED1 and LED2 Flashes yellow light for 2 seconds
\$ 4	Device 2	LED3 Flashes yellow light for 2 seconds
% 5	Device 3	LED1 and LED3 Flashes yellow light for 2 seconds

Turn on the power switch, hold down Fn + 3 / 4 / 5 for three seconds to enter pairing mode. The device will display ONE4#1 / 2 / 3, and once confirmed, the pairing is complete. During the process, LED1 / 2 / 3 indicator lights will sequentially flash yellow light.

#### Macro Guide (Supports Bluetooth Mode Macro)

- Fn + number keys 1-4 select the editing layer. 1 represents the base layer, while number keys 2 / 3 / 4 are editable layers. The LED1 / 2 / 3 indicator lights display green / red / yellow respectively.
  - Fn + number key 0 (Absolute position) enters editing mode. The LED1 / 2 / 3 indicator lights will continuously flash in the color of the selected editing layer, indicating readiness to begin recording.
  - Select the key to be edited. The indicator light of that layer will stay illuminated (each key editing length is 32 keys).
  - Recording process : Firstly, define the key combination (e.g., A key or Fn + A). Then, define the output (e.g., 12345678). Press Fn + "." (decimal point) key in the number key area to confirm, and the indicator light of that layer will flash again.
  - After completing the recording, you can proceed to record the next one by repeating the steps in 4.
- If you need to exit the programming mode, press Fn + number key 0 to exit.



#### LED 1 / 2 / 3 Indicator Lights

LED1 green light : Num Lock  
LED2 green light : Caps Lock  
LED3 green light : Scroll Lock  
LED1 red light : Caps and Ctrl swap  
LED2 red light : Windows Lock  
LED3 red light : Fn (F1-F12)  
Master / Slave switch

Note:  
In the defined indicator lights, if two types are both turned on, for example, Caps Lock and Windows Lock are both illuminated, it will become a yellow light.

#### Press Fn + P to check the battery level

66%-100% : LED1, 2, and 3 flash red light for two seconds  
33%-66% : LED1 and 2 flash red light for two seconds  
Below 33% : LED1 flashes red light for one second  
Low battery indication  
(appears when any key is pressed) : LED2 flashes red light  
Unable to charge : LED1, 2, and 3 flash red light in sequence

#### Fn Switching

Can only be used in (2 / 3 / 4 layer)  
Simultaneously press Caps Lock, L\_Ctrl, and R\_Win to enter Fn setting mode (flashing white light). At this time, the first key pressed is the Fn key (Ins / Enter / Shift cannot be used as Fn, and macro is not available in the Fn layer).

#### Press Fn + X to view the current channel

LED1 = 1, LED2 = 2, LED3 = 4  
Channel 1 : LED1 flashes yellow light for two seconds  
Channel 2 : LED2 flashes yellow light for two seconds  
Channel 3 : LED1 and LED2 flash yellow light for two seconds  
Channel 4 : LED3 flashes yellow light for two seconds  
Channel 5 : LED1 and LED3 flash yellow light for two seconds

## Fn Key Combos

WINDOWS O.S

Fn +

F1	=	Screen Brightness -	F11	=	Vol -
F2	=	Screen Brightness +	F12	=	Vol +
F4	=	Search	O	=	Indicator Lights ON / OFF
F5	=	Voice Recognition	P	=	Check the battery level
F6	=	Hibernate	M	=	Switch to MAC O.S
F7	=	Previous	W	=	Switch to WINDOWS O.S
F8	=	Play / Pause	Tab	=	F1-F12 Master / Slave switch
F9	=	Next	Capslock	=	Caps / Ctrl swap
F10	=	Mute	L_Windows	=	Windows Lock

? /	=	Menu
X	=	View the current channel
R	Hold for 5 seconds	=
Restore the key values of the current layer (absolute position)		
The indicator LED of the current layer will light up 5 times		
R_Alt + L_Alt	Hold on for 5 seconds	=
Keyboard restore to default		
LED 1, 2, and 3 light up red light for 5 times		

MAC O.S

F1-F12 No Fn Required

Fn +

F1	=	Screen Brightness -	F10	=	Mute
F2	=	Screen Brightness +	F11	=	Vol -
F3	=	Mission Control	F12	=	Vol +
F4	=	Spotlight	O	=	Indicator Lights ON / OFF
F5	=	Dictation / Siri	P	=	Check the battery level
F6	=	Do Not Disturb	M	=	Switch to MAC O.S
F7	=	Rewind	W	=	Switch to WINDOWS O.S
F8	=	Play / Pause	Capslock	=	Caps / Ctrl swap
F9	=	Fast-forward			

X	=	View the current channel
R	Hold for 5 seconds	=
Restore the key values of the current layer (absolute position)		
The indicator LED of the current layer will light up 5 times		
R_Alt + L_Alt	Hold on for 5 seconds	=
Keyboard restore to default		
LED 1, 2, and 3 light up red light for 5 times		

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