![irocks]

K85R

Rechargeable Wireless Mechanical Keyboard
無線機械鍵盤

首次使用前，鍵盤請務必進行充電，
確保產品功能正常及電池使用壽命。
Please charge before first use to ensure
proper keyboard and battery functionality.

Quick Installation Guide
Model No. : IRK85R
Dongle Model No. : DG85R

PACKAGE CONTENTS

- Keyboard x 1
- USB Dongle
- USB-C Cable x 1
- Puller for Switch & Keycap x 1
- Extra Switches x 4
- Quick Installation Guide x 1

SYSTEM REQUIREMENTS

- Microsoft Windows system: Windows® 8.1, Windows® 10, Windows® 11, and above
- mac OS 10.14 or higher
- Available USB Port

FEATURES

- Equipped with a 1.14-inch LCD screen for displaying various functions and settings
- Gasket structure and four-layer sound-dampening structure providing a soft and unified typing experience
- iRocks pre-lubed switches and Gateron hot-swappable switch sockets
- Compatible with Windows and macOS operating systems
- Wheel with switchable modes, customizable in Windows 10 and 11 for volume control, scrolling, zooming, and more
- High-performance 2.4GHz wireless and USB-C wired connectivity
- Vibrant RGB backlighting with static or dynamic effects

KEYBOARD SPECIFICATIONS

- Model name : Wireless Mechanical Keyboard
- Model No. : IRK85R
- Dual mode interface : Wired (USB Full Speed) / Wireless (2.4GHz)
- 98 Keys
- Switch type : Mechanical switch with hot-swappable switch sockets
- N-Key rollover (NKRO)
- Multimedia hotkeys : 12 keys
- Backlight effect hotkeys : 4 keys
- Voltage : DC 5V
- Charging interface : USB-C
- Rechargeable Li-ion battery : 3750 mAh

- Cable length : approx. 180 cm
- Weight : approx. 1030 g
- Dimension : 407 (L) X 143(W) X 44(H) mm

RECEIVER SPECIFICATIONS

- Interface : USB
- Dimension : 18.6(L) X 14.5(W) X 6.1 (H) mm

HARDWARE INSTALLATION

- **First-time Use and Charging Instructions**

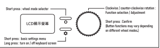
For the initial use or if the keyboard has been unused for an extended period, it is important to charge the battery to ensure proper keyboard and battery functionality. Prolonged periods of non-use can gradually reduce battery voltage. Therefore, it is recommended to fully charge the battery every few months (approximately 4-5 months) before use to extend battery lifespan.

Charging Method :
1. Connect the USB cable to your computer or a USB DC5V charger.
2. Plug the other end into the keyboard for charging.
3. Charging is completed when the screen on your keyboard indicates 99% ~ 100% battery level.

Note: It is advisable to turn off the backlight function during charging to shorten charging time.

- **Screen Menu Functions**

The screen on the keyboard provides options for configuring wheel and basic functions. You can customize and operate various functions by using the corresponding keys and the scroll wheel. Please refer to the introduction to wheel functions below :



Wheel Mode Selector includes : volume adjustment , task switcher , Smart Wheel mode.
Basic Settings Menu includes : connectivity , Windows/mac syetem switching , lighting effects , lighting color , lighting brightness , lighting speed , language selection , home settings

- **Keyboard linking**

This keyboard has two connection modes: wired and wireless. Follow the steps below to set up your keyboard.

Wired Installation
1. Turn on your computer.
2. Plug USB cable into an available USB port on your computer and keyboard
3. Setting the wired interface mode (Basic Settings Menu > Connent > Wired)
4. Your computer will automatically detect the keyboard
5. You may use the keyboard after detection

Press FN+Ctrl+S to enable or disable Energy Saving Mode. When the mode is enabled, backlight of your keyboard will automatically be turned off after 5 minutes of keyboard inactivity and turned back on after pressing any key. Energy Saving Mode in wired mode is disabled by default.

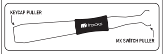
Wireless Installation
1. Power on the computer and plug USB receiver into a USB port on your computer.
2. Flip the power switch to " ON ", then setting to "2.4GHz wireless mode"
(Basic Settings Menu > Connent > 2.4GHz wireless)
3. Your computer will automatically detect the receiver and connect with the keyboard.

Under wireless mode:
The backlight of your keyboard will be automatically turned off after 1.5 minute of keyboard inactivity. To turn backlight back on, press any key.

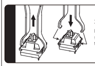
To set idle timeout for keyboard's Energy Saving Mode under wireless mode

FN + CTRL + 0 : Fully disable Energy Saving Mode
FN + CTRL + 1 : 1.5 minutes (default, key 1 will blink 3 times when enabled)
FN + CTRL + 2 : 5 minutes (key 2 will blink 3 times when enabled)
FN + CTRL + 3 : 10 minutes (key 3 will blink 3 times when enabled)

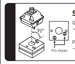
HOT-SWAPPABLE SWITCH REPLACEMENT



Step 01
Remove the keycap with key puller side of 2-in-1 tool coming with your keyboard.

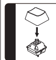


Step 02
Remove the switch with switch puller side of the tool.



Step 03
Gently push in replacement switch
- make sure the pins of the switch are aligned with the pin holes before pushing it in.

Push from the top of the switch
- to avoid pin damage, do not push on the side of the switch.



Step 04
Push back the keycap.

Still can't use
Visit iRocks official website for tutorial video.

PRODUCT INFORMATION

1. LED Indicator

1 : Numeric Lock Indicator
A : Caps Lock Indicator
⬇ : Scroll Lock Indicator
W : Windows lock

2. Function Keys
Press and hold 'Fn' key, then press desired function key to use hotkeys.

2-1. Setting Hotkeys
FN + CTRL + G : N-Key Rollover anti-ghosting function (default)
FN + CTRL + N : 6-Key Rollover anti-ghosting & standard USB settings
FN + CTRL + P : Factory reset (Press and hold for 5 seconds)

2-2. Multimedia & Function Hotkeys
FN + CTRL + Q : Switch to macOS mode
FN + CTRL + W : Switch to Windows mode
FN + CTRL + E : Switch to wired connection
FN + CTRL + R : Switch to wireless connection
FN + Esc : Lock entire keyboard
(Only the ESC key is red backlit when keyboard is locked.)

mac OS

KEY	PRESS	FN + PRESS
F1	Decrease Screen Brightness	F1
F2	Increase Screen Brightness	F2
F3	Mission Control	F3
F4	Spotlight	F4
F5	Search	F5
F6	No function	F6
F7	Previous Track	F7
F8	Play / Pause	F8
F9	Next Track	F9
F10	Mute	F10
F11	Volume Down	F11
F12	Volume Up	F12

Windows®

KEY	PRESS	FN + PRESS
F1	F1	Show Desktop
F2	F2	Lock PC
F3	F3	Search for files or folder
F4	F4	Launch Calculator
F5	F5	Open my Computer
F6	F6	Open E-Mail
F7	F7	Open the internet browser
F8	F8	Media player
F9	F9	Play/pause
F10	F10	Backward
F11	F11	Stop play
F12	F12	Forward
Win	Win	Turn Windows lock on or off

2-3. Keyboard Backlight
FN + ▲ or ▼ : Adjust brightness / turn off backlight (5 levels)
FN + ◀ or ▶ : Adjust backlight speed (depending on backlight effects)
FN + − or + : Adjust brightness effects (depending on backlight effects)

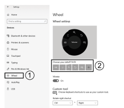
2-4. Smart wheel function
Smart Wheel mode is powered by Windows 10/11 protocol without additional software, if you're using the latest version of Windows 10/11. Your wheel under Smart Wheel mode is customizable and will automatically switch to your preferred tool depending on software you're using. Switch between scrolling, zoom, rotation, brush tuning, video editing, multimedia control and more. Smart Wheel support ranges from Windows built-in apps to pro software.

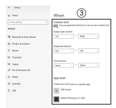
Press the below button to switch between wheel modes:

: Wheel - Volume Control Mode
Wheel clockwise : Increase volume
Wheel counterclockwise : Decrease volume
Wheel button : Mute / Unmute

: Wheel - Task Switcher Mode (Only works on PC with Windows®)
Wheel clockwise : Next Window
Wheel counterclockwise : Previous Window
Wheel button : Select

: Wheel - Smart Wheel Mode
Only works on PC with Windows® 10/11
Go to Windows® 10/11 Settings -> Devices -> Wheel for customization





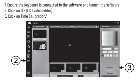
3. Software
The keyboard software requires the keyboard to be in wired mode, as it directly saves most of settings to the keyboard's onboard memory. Saved keyboard settings will be applied under both wired and wireless mode. Please visit iRocks official website to download and install latest software for backlight, macro, multimedia keys configuration and more.

1. Double click the installation software downloaded from iRocks, and follow the instructions.
2. Plug in the keyboard after installation, the software will start to identify your keyboard.
3. Launch the software. It will take some time to synchronize the memory parameter and setting of the keyboard.

Attention : The keyboard has to be switched to wired mode for software configuration.

4. Onscreen Time Calibration
You can synchronize time on your keyboard screen with your computer using the installed software with the following steps :

1. Ensure the keyboard is connected to the software and launch the software.
2. Click on GIF (LCD Video Editor).
3. Click on Time Calibration."



TROUBLESHOOTING & CAUTIONS

If your wireless keyboard does not work normally :

- Ensure the keyboard is switched to the correct mode - wired or 2.4GHz wireless mode.
- Check the USB receiver is connected to your computer's USB port correctly - unplug and plug it back.
- Check if the keyboard has sufficient battery power.
- Metal objects close to or in between the keyboard may reduce wireless performance. Try moving metal objects away from the keyboard 。
- This keyboard has 2.4GHz wireless connection, using USB 3.x and 2.4GHz wireless devices at the same time may cause radio frequency interference and affect normal functionality of the wireless device. Try to reduce radio interference of the USB 3.x device to your wireless keyboard. Plug the receiver into the USB 2.0 port or other locations as far away as possible from the USB 3.x port or use USB hub / USB extension cable to re-position your wireless receiver to a location away from the USB 3.x port.
- For saving power, the keyboard goes into sleep mode when it's not in use for a while. Press any key and wait for 1 to 3 seconds to bring the keyboard out of sleep mode.
- When not using the keyboard for an extended period, please switch off the keyboard and charge it periodically. Avoid letting the battery remain at low voltage for too long to ensure the battery's proper operation and extend its lifespan.
- Avoid putting your keyboard under high moisture condition or direct sun.
- Do not expose your keyboard to extreme temperatures, heat, fire or liquid.

WIRELESS ID PAIRING

The wireless keyboard is pre-paired with included receiver before shipment. It saves the need to pair and is ready to use out of the box. When you need to re-pair your keyboard and receiver manually to prevent signal interference or other issues, please follow the steps below.
1. Make sure the keyboard is in wireless mode.
2. Press and hold Fn + P for 3 seconds to enter pairing mode (P key will flash).
3. Unplug and plug the USB receiver back into your computer's USB port.
4. Move the keyboard to close the USB receiver within 15cm, the ID setting process will start automatically. (It will take about 4-8 seconds)
5. Your keyboard should be ready to use
6. The above steps need to be completed within 1 minute. If the keyboard doesn't work properly, please remove the USB receiver from computer's USB port, then proceed to step 1-4 again.

FCC WARNING STATEMENT

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment. 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.

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.

The device has been evaluated to meet general RF exposure requirement.
The device can be used in portable exposure condition without restriction.

包裝內容

- 鍵盤 x 1
- 無線接收器 x 1
- USB-C 連接線 x 1
- 多功能拔軸拔鍵器 x 1
- 備用替換開關 x 4
- 快速安裝手冊 x 1

系統需求

- 微軟的視窗系統 Windows® 8.1, Windows® 10, Windows® 11.
- Mac OS 10.14以上系統
- 可用的USB傳輸埠

產品特色

- 配備 1.14 英寸彩色LCD顯示螢幕，可顯示各種功能和設定操作
- Gasket 均衡支撐及四層消音結構設計，提供軟彈溫潤的均一打感
- 全鍵區採用iRocks自有特色預潤軸跟Gateron熱插拔軸座，可自行替換鍵軸
- 可切換功能旋鈕，於Windows 10與11下可自訂滾輪功能為音量、滾動、縮放等功能
- 支援 Windows 及 macOS 作業系統
- 高效能無線2.4G/有線USB-C雙介面
- 多彩RGB背光，支援動態特效功能

鍵盤規格

- 產品名稱 : 無線機械鍵盤
- 產品型號 : IRK85R
- 雙模介面 : 有線USB & 無線: 2.4GHz
- 按鍵數 : 98 鍵
- 開關形式 : 可插拔預潤機械開關
- 全區防鬼鍵設計 (NKRO)
- 多媒體鍵 : 12 鍵
- 背光特效鍵 : 4 鍵

- 電壓 : DC 5V
- 充電接口 : USB- C
- 可充式鋰電池容量 : 3750 mAh
- USB 線長 : 約180 公分
- 產品重量 : 約 1030 公克
- 產品尺寸 : 407 (L) X 143(W) X 44(H) mm

接收器規格

- 介面 : USB
- 產品尺寸 : 18.6(L) X 14.5(W) X 6.1 (H) mm

硬體安裝

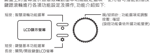
- **首次使用及充電說明**

首次使用或長時間不使用時，電池需進行充電，確保鍵盤功能正常。若長時間不使用，電池的電壓會緩慢降低，請務必一段時間(4-5個月)及使用前，為電池充滿電，以延長電池使用壽命。

充電方式
1. 連接所附的USB線於電腦端或USB DC5V的充電器
2. 另一端連接鍵盤進行充電
3. 鍵盤螢幕電量顯示100%即完成充電
註: 充電時建議將背光功能關閉，以便節省充電時間

- **螢幕選單功能**

鍵盤上的螢幕提供智慧滾輪跟基本功能設定選項，使用者可搭配對應按鍵跟滾輪進行各項功能設定及操作, 功能介紹如下:



智慧滾輪功能選單 : 音量調整/工作頁面/智慧滾輪
基本設定功能選單 : 連線方式/系統切換/燈光效果/燈光顏色/燈光亮度/燈光速度/選擇語文/主頁設定

- **鍵盤連結說明**

此鍵盤提供有線跟2.4Ghz無線兩種介面，可透過螢幕的 基本設定/連線方式選單進行切換。

有線鍵盤安裝及說明
1. 開啟電腦電源
2. 將所附的USB傳輸線USB Type A 接於電腦端，USB Type C 接於鍵盤端
3. 切到有線模式(鍵盤螢幕設定/ 基本設定/連線方式/選擇有線連接)。
4. 電腦會自動偵測到鍵盤裝置
5. 安裝完成

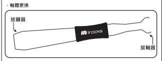
在有線模式下 FN+CTRL+S 可切換背光省電模式:
a. 關閉鍵盤背光休眠模式 (預設 / 指示燈閃爍2次): 背光恆亮
b. 開啟鍵盤背光休眠模式 (指示燈閃爍3次): 5分鐘無動作時，背光自動關閉以節約能源，按任一鍵喚醒

無線鍵盤安裝及說明
1. 開啟電腦電源，將無線接收器的USB接頭插入電腦的USB連接埠
2. 開啟鍵盤底部電源, 切到無線模式
(鍵盤螢幕設定 / 基本設定 / 連線方式 / 選擇無線連接)
3. 電腦會自動偵測到無線接收器並與鍵盤進行連接
4. 安裝完成

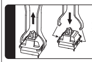
在無線模式下:
a. 鍵盤沒電時 ,可藉由鍵盤的USB-C埠進行充電, 請注意充電電壓為DC5V.
b. 在無線模式下，一段時間沒使用鍵盤，為求省電，鍵盤會自動進入省電模式 (無線功能進入低耗電休眠狀況及關閉鍵盤背光)，按任一鍵亮起，使用者可自行設定進入省電模式的時間如下:

FN + CTRL + 0 : 不啟動省電模式 (0鍵閃3次)
FN + CTRL + 1 : 約1.5 分鐘無動作時，啟動省電模式 (內定值, 1鍵閃3次)
FN + CTRL + 2 : 約5分鐘無動作時，啟動省電模式 (2鍵閃3次)
FN + CTRL + 3 : 約10分鐘無動作時，啟動省電模式 (3鍵閃3次)

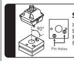
- **軸體更換**



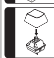
Step 01
用所附贈的拔軸拔鍵器的拔鍵端，先將預更換軸的鍵帽拔除



Step 02
再用另一拔軸端將軸體拔出，拔出時拉力要均衡向上



Step 03
插入預更換的軸體，軸體的腳位跟鍵盤板子上軸孔座的位置和方向要確認對應後才插入，壓入時要正壓不可以側壓，避免軸體端子腳歪斜彎曲



Step 04
將鍵帽裝上，完成更換

仍然還是不會操作?
可以參考iRocks官方網站的教學影片

產品資訊

1. LED指示燈

1 : 數字鎖指示燈
A : 大小寫指示燈
⬇ : 滾動鎖指示燈
W : 視窗鍵鎖

- 單ESC背光鍵亮時, 表示全部按鍵在鎖鍵狀態(Fn+ESC)

2. 快捷鍵功能
同時按壓FN鍵跟下列按鍵產生對應的快捷功能

2-1. 設定鍵
FN + CTRL + G : N-Key Rollover 全區防衝突功能 (鍵盤內定值)
FN + CTRL + N : 6-Key Rollover USB標準規範輸出功能
FN + CTRL + P 長按5秒 : 將鍵盤所有功能回復出廠設定

2-2. 多媒體及功能快捷鍵
FN + CTRL + Q : 切換Mac鍵盤系統
FN + CTRL + W : 切換Windows鍵盤系統
FN + CTRL + E : 切換有線模式
FN + CTRL + R : 切換無線模式
FN + Esc : 開啟跟關閉全部鍵盤鎖鍵功能
(所有背光功能熄滅，單單ESC鍵背光亮起)

mac OS

按鍵	按壓	FN鍵 + 按壓
F1	減少螢幕亮度	F1
F2	增加螢幕亮度	F2
F3	Mission Control	F3
F4	Spotlight	F4
F5	搜尋	F5
F6	無	F6
F7	上一首	F7
F8	播放/暫停	F8
F9	下一首	F9
F10	靜音/取消靜音	F10
F11	降低音量	F11
F12	提高音量	F12

Windows®

按鍵	按壓	FN鍵 + 按壓
F1	F1	顯示桌面
F2	F2	鎖定電腦
F3	F3	搜尋檔案或資料夾
F4	F4	計算機
F5	F5	我的電腦
F6	F6	開啟 E -Mail 軟體
F7	F7	開啟網路瀏覽器
F8	F8	多媒體呼叫
F9	F9	播放/暫停
F10	F10	回上一首
F11	F11	停止
F12	F12	回下一首
Win	Win	開啟跟關閉鎖Windows/Application鍵

2-3. 背光功能快捷鍵
FN + ▲ or ▼ : 調整按鍵背光明亮度及關閉 (五階)
FN + ◀ or ▶ : 選擇按鍵背光顏色 (依背光特效而定)
FN + − or + : 調整按鍵背光特效變化速度 (依背光特效而定)

2-4. 智慧滾輪功能
智慧滾輪模式相容於Windows®10/11內建協定，只要您的電腦使用Windows®10/11最新版本，皆可支援，無須任何額外驅動程式。從最簡單的Windows®10 隨附應用程式，專業軟體皆能套用此功能。智慧轉輪可依不同軟體自訂功能，並能根據軟體自動切換至對應的設定。隨心切換，滾動瀏覽、縮放或旋轉、調整畫筆、影片剪輯及多媒體播放等功能。

透過鍵盤螢幕選單可切換選擇三種滾論功能，介紹如下:

: 滾輪音量調整模式
滾輪順時針 : 調整音量大聲
滾輪逆時針 : 調整音量小聲
按壓滾輪 : 音量靜音

: 滾輪工作頁面選項模式 (此模式須在Windows®系統才有此功能)
滾輪順時針 : 向右移動工作頁面選項
滾輪逆時針 : 向左移動工作頁面選項
按壓滾輪 : 選取頁面

: 智慧滾輪功能 (如下圖)
此模式須在Windows® 10/11系統才有此功能
請至Windows®10 > 裝置 > 滾輪 選項進行相關滾輪功能設定
請至Windows®11 > 藍牙與裝置 > 滾輪 選項進行相關滾輪功能設定

3. 應用軟體
此軟體只能對應於有線介面下執行操作，當設定完成，設定參數值會儲存於鍵盤，後續可套用於無線模組，請至iRocks 官網下載此機種最新的應用軟體及進行下列步驟安裝，此軟體支援背光、巨集、多媒體等設定。

1. 雙擊所下載的軟體並依安裝步驟進行軟體安裝
2. 將鍵盤切換到有線模式，軟體會自動辨識
3. 啟動軟體，軟體會與鍵盤進行連接，這會花一點時間

注意 : 鍵盤要切換到有線模式，軟體才能正常使用。

4. 螢幕時間校正
鍵盤螢幕上的時間，可透過所安裝的應用軟體進行時間校正，校正後時間會跟電腦上的一樣，步驟如下 :

1. 鍵盤與軟體連線完成，啟動軟體
2. 點選軟體的GIF (LCD影片編輯)
3. 點選時間校正

疑難排解及注意事項

若無線鍵盤無法正常動作有任何疑問，請嘗試下面步驟說明 :

- 確認鍵盤是否切換到正確的有線或2.4G介面模式。
- 重新插拔連接線或進行對碼。
- 確認鍵盤電量是否足夠。
- 無線產品使用時，若中間有金屬等干擾源，將會影響無線接收距離。
- 此無線鍵盤採用2.4GHz頻率連線，有時會受周邊的裝置如USB3.X Hub 或Wifi 等的干擾，導致有時打字輸出斷訊，此時請將接收器換插USB2.0連接埠或USB集線器/USB延長線，鍵盤盡可能靠近無線接收器避開干擾源。
- 無線鍵盤在一段時間內不使用，為了省電將會自動進入休眠，按任意鍵即可喚醒，無線連結將自動恢復。
- 長時間不使用鍵盤，請將鍵盤關閉，並適時對鍵盤進行充電，勿讓電池低於低電壓過久，以確保電池正常運作及延長使用壽命。
- 請避免鍵盤在潮濕環境下使用或放置陽光直射的地方。
- 請勿將鍵盤暴露於過高或過低的溫度，並勿靠近火源。

ID辨識碼設定

每款無線鍵盤出廠時都完成ID設定碼，使用者只需將硬體安裝完成插入電腦的 USB連接埠之後即可立即使用。此 ID 設定的功能在於防止電腦與鍵盤間之無線訊號被其他在同一環境下的無線產品所影響或更換接收器時，才須進行設定。

- 請依照下列的步驟重新設定 ID。
1. 確定鍵盤底部開關是撥在 "ON "位置，鍵盤連接模式切換到無線連接
2. 同時按壓鍵盤FN + P 約 3秒鐘，讓鍵盤進入對碼模式 (P鍵會閃爍)。
3. 重新插拔USB接收器。
4. 移動鍵盤靠近USB接收器，距離約15公分以內；此時鍵盤會自行與接收器連結進行ID辨識碼的設定。
(這段ID設定過程完成需4-8 秒鐘的設定時間)
5. 完成ID設定可使用。
6. 對碼程序要在1分鐘內完成，如果鍵盤仍然無法正常運作，請將USB接收器從電腦的USB連接埠移出，然後再重複1 或4安裝程序。

安全規範

- IRK85R限用物質查詢網址 : https://www.i-rocks.com.tw/uploads/root/IRK85R.JPG

NCC警語

「取得審驗證明之低功率射頻器材，非經核准，公司、商號或使用者均不得擅自變更頻率、加大功率或變更原設計之特性及功能。低功率射頻器材之使用不得影響飛航安全及干擾合法通信；經發現有干擾現象時，應立即停用，並改善至無干擾時方得繼續使用。前述合法通信，指依電信管理法規定作業之無線電通信。低功率射頻器材須忍受合法通信或工業、科學及醫療用電波輻射性電機設備之干擾。」

警告

「如果更換不正確之電池型式會有爆炸的風險，請依照製造商說明書處理用過之電池」

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