



K85R PRO

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 PRO

Dongle Model No. : DG103R

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® 10. Windows® 11 and above
- macOS 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
- Multifunction control knob supports custom actions on Windows®10/11, including volume, scroll, zoom, and more
- Compatible with Windows® and macOS operating systems
- High-performance 2.4GHz and Bluetooth wireless and USB-C wired connectivity
- Vibrant RGB backlighting with static or dynamic effects

KEYBOARD SPECIFICATIONS

- Model name : Wireless Mechanical Keyboard
- Model No. : IRK85R PRO
- Dual mode interface : Wired (USB Full Speed) / Wireless (2.4GHz & Bluetooth)
- 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 first-time use or after long inactivity, fully charge the battery to ensure proper operation. Charge the battery periodically (every 4-5 months) to maintain voltage and extend its lifespan.

Charging Instructions :

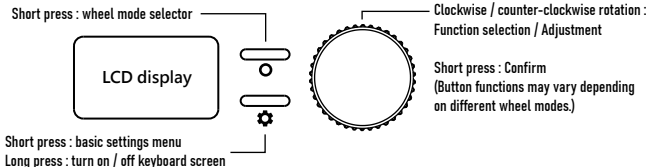
Do not use fast chargers to avoid product damage.

1. Connect the included USB cable to a computer or a DC 5V USB charge.
2. Plug the other end into the keyboard to begin charging.
3. Charging is complete when the keyboard display shows 100% battery.

Note: For faster charging, it is recommended to turn off the backlight.

• 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 system switching, lighting effects, lighting color, lighting brightness, lighting speed, language selection, home settings This keyboard has two connection modes: wired and wireless. Follow the steps below to set up your keyboard.

Keyboard linking

This keyboard has three connection modes : wired / 2.4G wireless / Bluetooth. Follow the steps below to set up your keyboard.

Wired Installation

1. Flip the power switch to " ON " and setting the wired interface mode (Basic Settings Menu > Connect > Wired)
2. Turn on your computer.
3. Plug USB cable into an available USB port on your computer and keyboard
4. Your computer will automatically detect the keyboard
5. You may use the keyboard after detection
6. Select the desired operating system (Windows® or macOS).

2.4G Wireless Setup & Instructions

Pre-paired from the factory — no pairing required. Connect as follows :

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 > Connect > 2.4GHz wireless)
3. Your computer will automatically detect the receiver and connect with the keyboard.
4. Select the desired operating system (Windows® or macOS).

Note : To re-pair the RF 2.4G connection, follow the steps below :

- a. Switch the keyboard to 2.4G mode.
- b. Press and hold FN + P for about 3 seconds to enter pairing mode.
- c. Plug the RF 2.4G receiver into a USB port on your computer.
- d. Keep the keyboard within 30 cm of the receiver; pairing will occur automatically.
- e. Pairing complete.

Bluetooth Keyboard Setup & Instructions

When connecting this keyboard to a device via Bluetooth for the first time, pairing is required. You can pair up to three Bluetooth devices using FN + CTRL + T (Y/U).

1. Power on your computer and setting to the keyboard to Bluetooth mode

(Keyboard Display → Basic Settings → Connection Method → Select BT).

2. Press FN + CTRL + T (Y/U) to select the desired Bluetooth device slot.
3. Press and hold FN + CTRL + T (Y/U) for about 3 seconds to enter pairing mode.

The keyboard display will show "Pairing".

4. On your computer, open Bluetooth settings and search for devices. Select "K85R Pro" to pair.
5. Connection successful.
6. Select the desired operating system (Windows® or macOS).

Keyboard Sleep Settings

In Bluetooth or 2.4G wireless mode, the keyboard will automatically enter power-saving sleep mode after a period of inactivity (wireless functions enter low-power standby and the backlight turns off). Pressing any key will wake the keyboard. Users can customize the inactivity time before entering sleep mode as follows :

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)

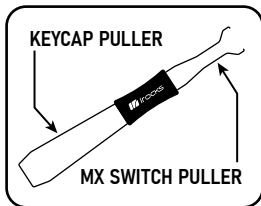
Note : If the keyboard is not paired and connected to a computer, it will automatically enter sleep mode after 5 minutes by default.

In wired mode, press FN + CTRL + S to toggle backlight power-saving mode :

Backlight Sleep Off mode (default / LED flashes 2 times) : Backlight stays on continuously.

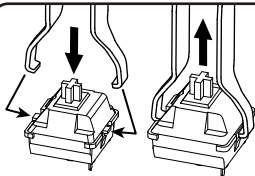
Backlight Sleep On mode (LED flashes 3 times) : Backlight turns off automatically after 5 minutes of inactivity to save power, press any key to wake.

HOT-SWAPPABLE SWITCH REPLACEMENT



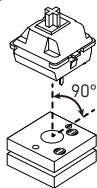
Step 01

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



Step 02

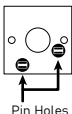
Remove the switch with switch puller side of the tool.



Step 03

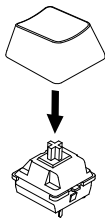
Gently push in replacement switch

- 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

• Backlight with only Esc key on : The keyboard is full key locked. Press Fn+Esc to lock or unlock.

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 Mac keyboard layout

FN + **CTRL** + **W** : Switch to Windows® keyboard layout

FN + **CTRL** + **E** : Switch to Wired mode

FN + **CTRL** + **R** : Switch to Wireless mode

FN + **CTRL** + **T** : Switch to Bluetooth device BT1

FN + **CTRL** + **Y** : Switch to Bluetooth device BT2

FN + **CTRL** + **U** : Switch to Bluetooth device BT3

FN + **Esc** : Toggle all keyboard lock functions on/off

(All backlights turn off, only the ESC key backlight remains on)

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

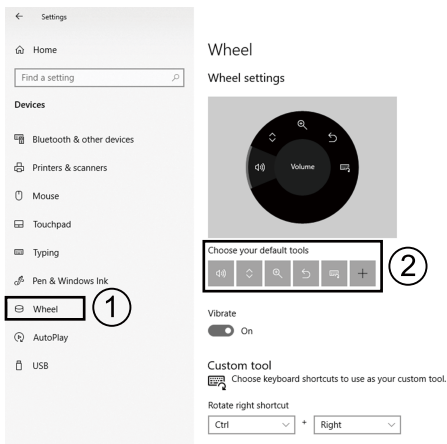
Wheel button : Select

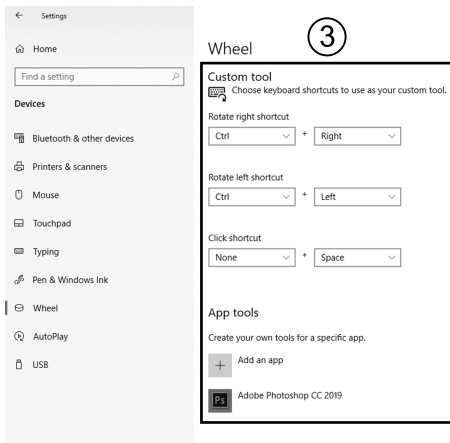


: Wheel - Smart Wheel Mode

Only works on PC with Windows® 10/11

Go to Windows® 10/11 Settings -> Devices -> Wheel for customization





3. Software

This software supports Windows OS only and works with wired and 2.4G connections. Once settings are configured, they are saved to the keyboard and can later be applied to Bluetooth modules. Download the latest version of this software for your model from the iRocks website. The software allows customization of backlight, macros, multimedia, and more. Installation Steps:

1. Double-click the downloaded file and follow the on-screen instructions to install the software.
2. Switch the keyboard to Wired mode; the software will automatically detect the keyboard.
3. Launch the software; it will connect to the keyboard, which may take a few moments.

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.

TROUBLESHOOTING & CAUTIONS

If your wireless keyboard does not work normally :

- Ensure the keyboard is switched to the correct mode - wired / Bluetooth / 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 and Bluetooth 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.



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