ProtoArc EK04 Mini Ergonomic Keyboard User Manual

July 19, 2025

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EK04 Mini

Wireless Ergonomic Keyboard

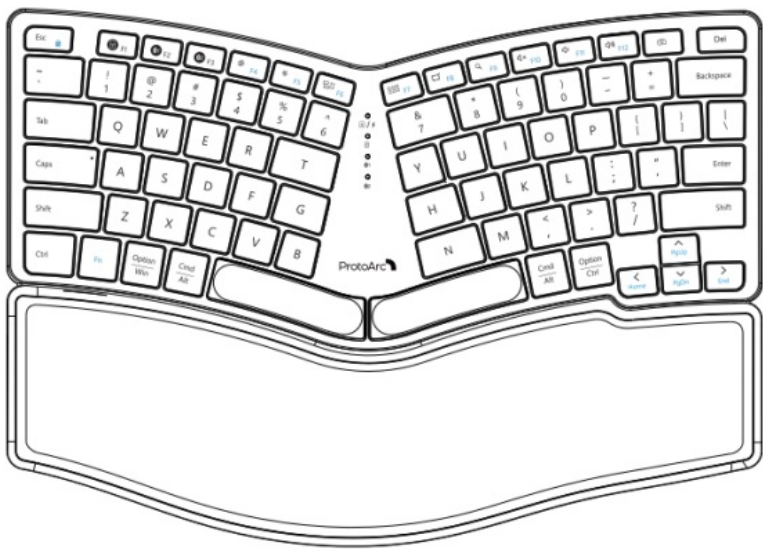**User Manual**

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US

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(+1) 866-287-6188

Mon-Sun: 9AM – 1PM; 2PM – 6PM PT (Eastern Time)
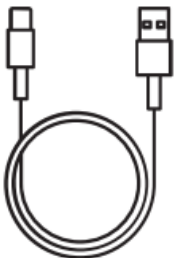
*Closed during Holidays
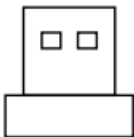
UK

Packing List

▼

Keyboard* 1

▼

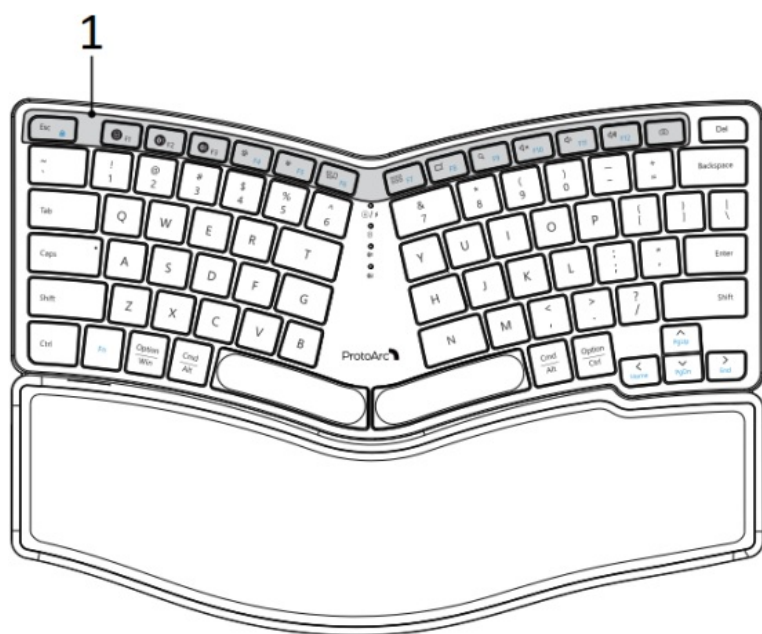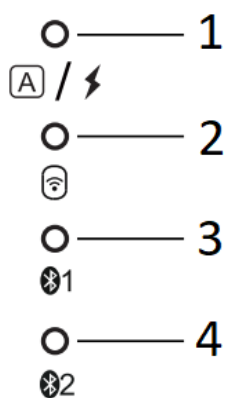Type-C Charging Cable* 1

▼

User Manual* 1

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USB Receiver* 1

Product Features

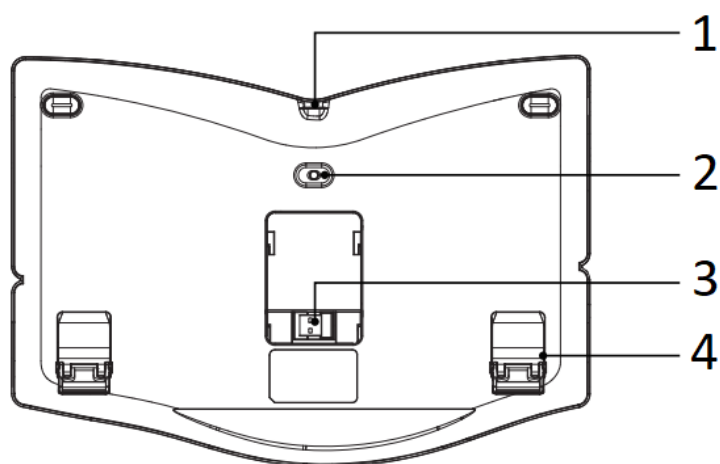1. Multimedia Function Keys

1. Caps Lock / Low Power / Charging Indicator
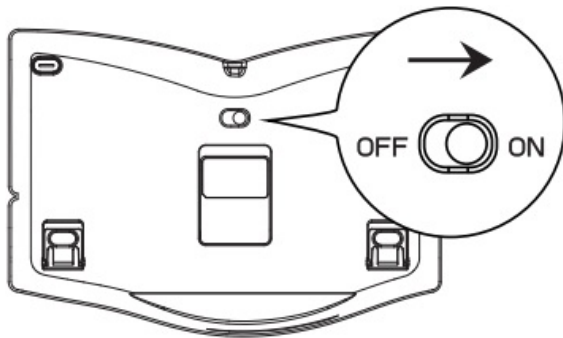
2. 2.4G Indicator

3. BT1 Indicator

4. BT2 Indicator

1. Type-C Charging Port

2. Power Switch

3. USB Receiver

4. Keyboard Tilt Legs

2.4G USB Connection

(1)

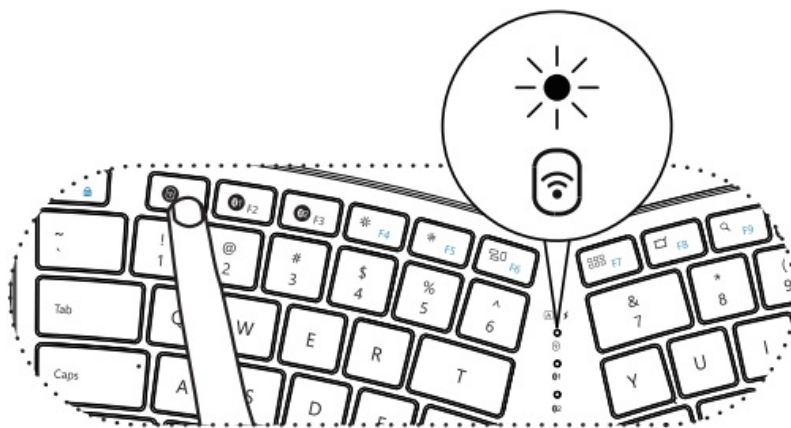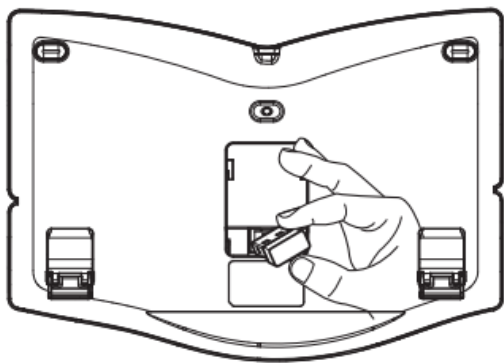1. Turn the power switch to ON.

(2)

2. Press the ⊜ F1 button until the 2.4G indicator lights up, and the keyboard enters 2.4G mode.

(3)

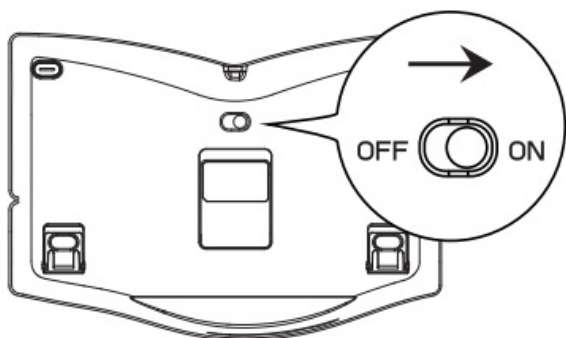3. Take out the USB receiver from the bottom of the keyboard.

(4)

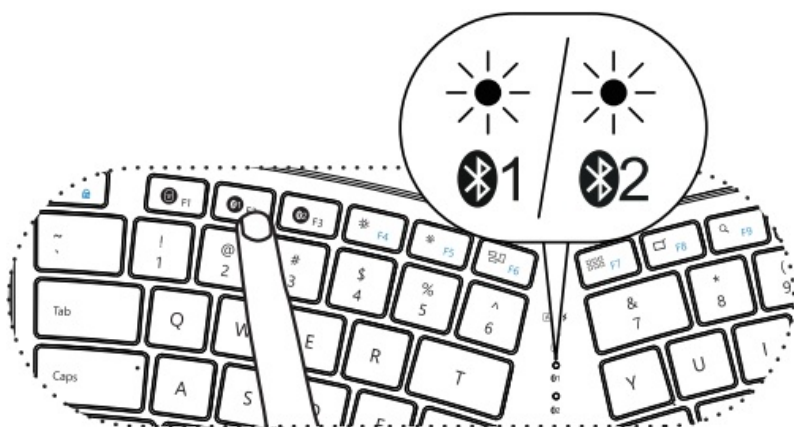4. Plug the USB receiver into the USB port of the computer, then the keyboard can work normally.

Bluetooth Connection
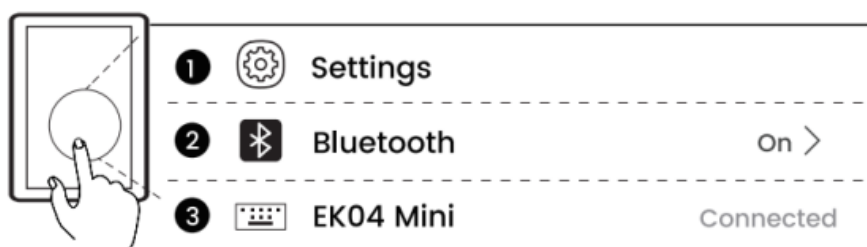
(1)

1. Turn the power switch to ON.

(2)

2. Press the channel switch button / until the corresponding channel indicator is on.

Long press the channel switch button for 3~5 seconds until the corresponding channel indicator flashes quickly, the keyboard enters Bluetooth paring mode.

(3)

❶	⚙	Settings	
❷	✳	Bluetooth	On >
❸	⌨	EK04 Mini	Connected

3. Turn on the Bluetooth settings on your device, search or select "EK04 Mini" and start Bluetooth pairing until the connection is completed.

Mode Switch Method
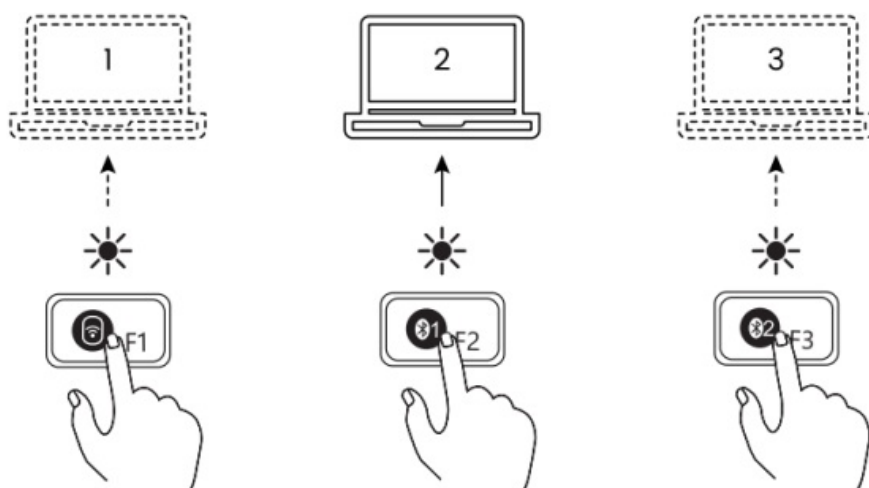
After channels / / are all connected, press the corresponding channel

button to switch between multiple devices.

Tips:

FN lock is on: FN + [🔘 F1] / [📶 F2] / [🅱 F3] can also switch channels.

Charging Guide

1. When the battery level is low, the indicator light will turn red and begin to flash until the keyboard is powered off.
2. To charge the device, insert the Type-C port into the keyboard and the USB-A port into the computer. The red indicator light stays on while charging.
3. A full charge typically requires 2 to 3 hours per cycle, and the indicator light will turn green when fully charged.
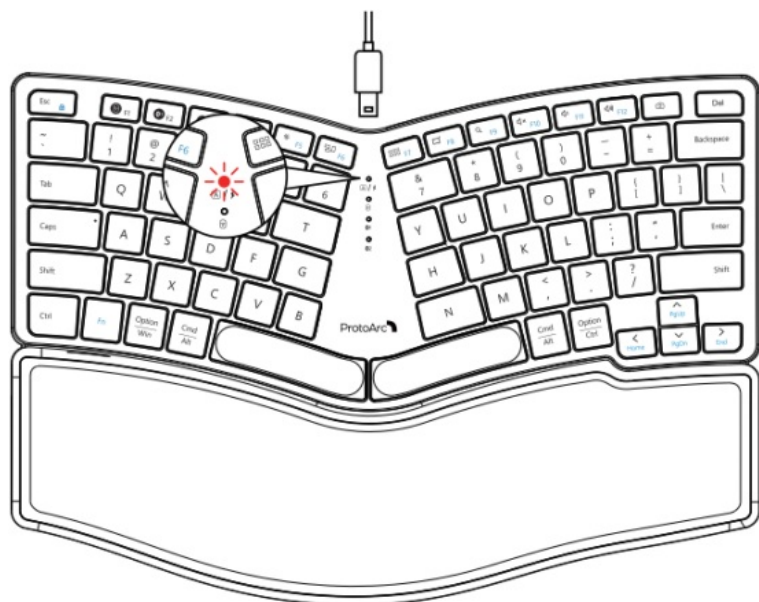
Notice:

If the keyboard s low battery, there will be delays, freezes and other problems. Please connect to the power supply for charging in a timely manner to ensure that the keyboard has sufficient battery power to get normal performance.

Multimedia Function Button

Buttons	Windows	Android	iPad	Mac OS

🔘 F1	2.4G Channel	2.4G Channel	2.4G Channel	2.4G Channel
❶ F2	BT1 Channel	BT1 Channel	BT1 Channel	BT1 Channel
❷ F3	BT2 Channel	BT2 Channel	BT2 Channel	BT2 Channel
☀ F4	Increase brightness	Increase brightness	Increase brightness	Increase brightness
☀ F5	Decrease brightness	Decrease brightness	Decrease brightness	Decrease brightness
🗗 F6	Window switching	Window switching	Task view	Multi-window preview
▦ F7	Task view	Task view	Window switching	Window switching
◻ F8	Show desktop	Go home	Go home	Show home
🔍 F9	Search	Search	Search	Search
🔇 F10	Mute	Mute	Mute	Mute
🔉 F11	Volume down	Volume down	Volume down	Volume down
🔊 F12	Volume up	Volume up	Volume up	Volume up
📷	Screenshot	Screenshot	Screenshot	Screenshot
Esc 🔒Fn	Press FN+ESC to turn ON / OFF the FN function			

FN lock default is off: Pressing directly will activate multimedia functions, and press FN + F1-F12 to activate the F key functions.

FN lock is on: Pressing directly will activate F1-F12 and press FN + F1-F12 to activate multimedia functions.

When the Fn lock is turned on/off, the corresponding channel light will light up for 3s (white light) and then tum off.

Product Parameters

Battery capacity	280mAh
Working voltage	3.7V
Working current	≤2mA
Sleeping current	≤0.03mA
Standby time	200 Days
Working time	140 Hours
Charging time	2-3 Hours
Wake up way	Press any key
Dimensions	332 x 230 x 32 mm / 13.1 x 9.1 x 1.3 in
System Compatibility	2.4G: Windows System Bluetooth: Windows 7 to 11, MacOs 10.10 or later, iPadOS 7 or later, Android 4.4 or higher.

How to Use Special Characters in British English

On MacOS/iPadOS/iOS system:

Press the key and you can type the symbol shows in the right square frame.			
¬ ± ` ¦ §	§	" @ 2 €	2

~ | # \	\	@ " /	'
| ~ \ ↘	`		

Press and hold "**Shift**", then press the corresponding key, you can type the symbol shows in the right square frame.	

¬ ± ` ¦ §	±	" @ 2 €	@
~ | # \	|	@ " /	"
| ~ \ ↘	~		

Press and hold the key "**Option / Win**", then press the corresponding key, you can type the symbol shows in the right square frame

" @ 2 €	€

On Android/Windows:

Press the key and you can type the symbol shows in the right square frame.

¬ ± ` ¦ §	`	" @ 2 €	2
~ │ # \	#	@ ″ '	'
│ ~ \ `	\		

Press and hold the key "Shift", then press the corresponding key, you can type the symbol shows in the right square frame.

¬ ± ` ¦ §	¬	" @ 2 €	"
~ │ # \	~	@ ″ '	@
│ ~ \ `	│		

Press and hold the key "Cmd Alt", (the key on the right side of the keyboard), then press the corresponding key, you can type the symbol "¦" and " €".

¬ ± ` ¦ §	¦	$ 4 €	€

Tips

1. If the Bluetooth connection is not working properly, turn off and turn on the keyboard or to restart the device's Bluetooth and attempt to reconnect. Or delete the extra Bluetooth option name in the Bluetooth connection list of the device and reconnect.

2. To switch to a successfully connected channel, press the channel button and wait for 3 seconds before continuing to use.

3. The keyboard has a memory function. When it connected on a specific channel, turn off the keyboard and turn on again, they will automatically connect to the default channel and this channel indicator is on.

4. For UK users, Why is the keyboard English US (QWERTY) layout when typing? Before using the keyboard, please set the keyboard language to English (UK) first: (Samsung tablet for example) Settings > General management > Samsung Keyboard settings > Languages and types > Manage input languages > Choose English (UK) (OPPO mobile phones for example) Setting > More setting > Language & input > Physical Keyboard > EK04 Mini > Set keyboard layouts > Choose English (UK)

Sleep Mode

1. When the keyboard is not used for more than 60 minutes, it will automatically enter into sleep mode and the indicator light will turn off.

2. When using the keyboard again, just press any key, the keyboard will wake up within 3 seconds, and the lights come back on and keyboard starts working.

Safety Warning

IMPORTANT: To reduce risk of fire, electric shock, or injury, follow these safety instructions.

⚠ Charging safely: Use only the provided cable. Charge in a well-ventilated, dry area away from inflammable materials.

⚠ Battery Handling: Do not attempt to replace the item's lithium battery. Battery replacement should be conducted by qualified personnel to prevent hazards.

⚠ Heat Exposure: Avoid leaving the item in high-temperature environments or in direct sunlight, which could result in a fire hazard.

⚠️ Liquid Exposure: Keep the item away from water and liquids. Do not use if wet until thoroughly dried.

⚠️ Damage and Leakage: Cease usage and consult customer service if the item is damaged or the battery leaks.

⚠️ Correct Disposal: Follow local regulations for disposing of electronic devices and batteries. Do not dispose of with household waste.

⚠️ Radio Frequency Interference: This device may cause interference with other electronics. Keep a safe distance from sensitive devices.

⚠️ child safety: Keep the item and its components out of reach of children to avoid choking or battery ingestion hazards. Never allow children to handle the item unsupervised.

CAUTION: Non-compliance with the above warnings can lead to serious injury or property damage.

For further assistance or information, please contact our customer service. Emergency Contact: +1 866-287-6188 (United States)

EU Declaration of Conformity

Declared Object:	Wireless Ergonomic Keyboard
Model:	EK04 Mini
Rating:	3.7V 10mA
Input:	5V 250mA
Place of Production:	Made in China
Manufacturer:	Shenzhen Hangshi Electronic Technology Co., LTD

Email:	chen.zhao@bow.cn
Address:	Floor 2 Building A, Zone , Democratic West Industrial Zone, Democratic Community, Shajing Street, Bao'an District, Shenzhen City, Guangdong Province, China, 518104
European Representative:	EC REP Business name: g.L.L. GmbH Business address: Bauernvogtkoppel, 55c, 22393, Hamburg, Germany Email: g.L.L.DE@outlook.com Tel: +49 162 3305764 UK REP Business name: AMANTO INTERNATIONAL TRADE LIMITED Business address: The Imperial, 31-33 St Stephens Gardens, Notting Hill, London, United Kingdom, W2 5NA Email: AmantoUK@outlook.com Tel: +44 7921 801 942

It is our sole responsibility to declare that the above products are In full compliance with Directive 2014/53/EU, 201/85/EU (as amended)

Position:	Managing Director
signature:	ZHAO CHEN
Date of sign:	2022.1.5
EU agent name:	Tony Jia

Date of sign:	2022.1.5

Documents / Resources

	ProtoArc EK04 Mini Ergonomic Keyboard [pdf] User Manual EK04 Mini Ergonomic Keyboard, EK04, Mini Ergonomic Keyboard, Ergonomic Keyboard, Keyboard

References

- User Manual

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