


PCsensor

**MK424**  
**Custom**  
**Keyboard**



## PC sensor MK424 Custom Keyboard User Manual

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**PC sensor MK424 Custom Keyboard**



## Specifications

- **Product Name:** Custom Keyboard
- **Model:** MK424
- **Compatibility:** Windows, MAC, Linux, Android, iOS, Harmony OS
- **Connection:** Wired (MK424U) / Wireless (MK424BT, MK424G, MK424Pro)

## Product Information

- The Custom Keyboard is a versatile HID input device suitable for various applications such as office work, video game control, and medical and industrial industries.
- It can be configured using the ElfKey software to customize key functions.
- Compatible with a wide range of systems including Windows, MAC, Linux, Android, iOS, and Harmony OS.
- Multiple Custom Keyboards can be connected to a single computer without conflicts.

## Product Usage Instructions

- **Download and Install Software**
  - Download the ElfKey software from [software.pcsensor.com](https://software.pcsensor.com) and install it on your computer.
- **Connection**
  - **Wired Model (MK424U):** Connect the custom keyboard to your computer using the USB cable.
  - **Wireless Models (MK424BT, MK424G, MK424Pro):** Switch to Bluetooth or 2.4G mode as needed and follow pairing instructions.
- **Setting Key Functions**

- Run the ElfKey software and connect the device. Start setting up key functions according to the software guidelines. The ElfKey User Manual is available within the software for reference.
- **Bluetooth Mode (ProBluetooth Version)**
  - **a.** Switch mode selector to BT mode.
  - **b.** Press and hold the connect button to enter pairing mode.
  - **c.** Connect to the named Bluetooth device on your device.
- **2.4G Mode (Pro2.4G Version)**
  - Switch mode selector to 2.4G mode and insert the USB receiver into the device for connection.

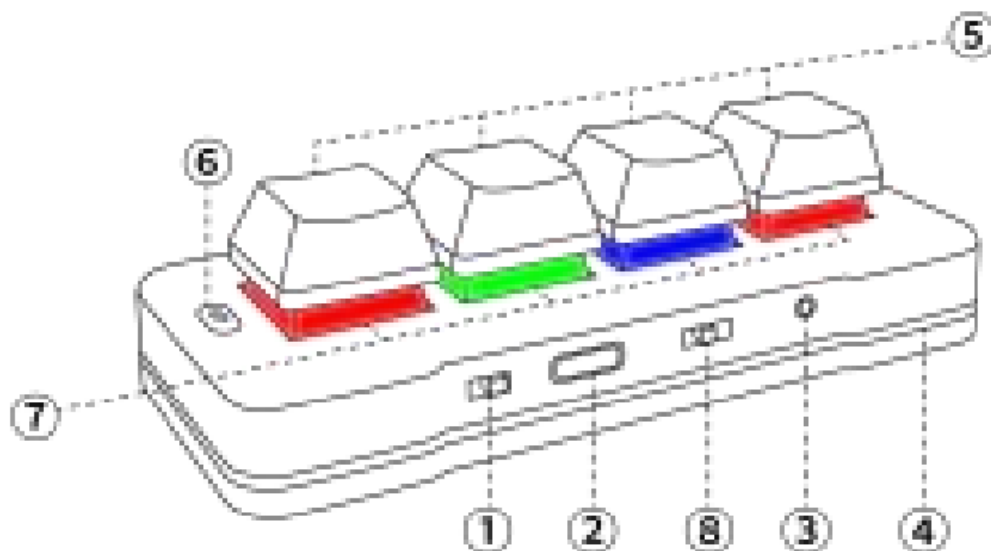
## FAQs

- **Q: Can I use the Custom Keyboard with mobile devices?**
  - **A:** Yes, the Custom Keyboard is compatible with mobile phones, computers, and tablets.
- **Q: How many characters can I set for the String function?**
  - **A:** You can continuously output up to 38 characters with the String function.

## Product Introduction

- A custom keyboard is a computer (and smartphone) HID input device that is equivalent to a keyboard or a mouse. You can use it to configure the function of the keys by the provided software ElfKey. It is widely used in office work, video game control, the medical industry, the industrial industry, and so on.
- Custom keyboard is like other HID devices, it can be used on mobile phones, computers and tablets, and it is compatible with Windows, MAC, Linux, Android, IOS, Harmony OS, and other systems.
- You can connect several Custom keyboards to one computer, it will not have any conflict with your common keyboards and mice. When multiple devices are connected to the software, please select the product individually on the software when setting the key function of the custom keyboard.
- **ElfKey software download:** [software.pcsensor.com](https://software.pcsensor.com)

## About the custom keyboard



## (MK424)

1. **OFF/ON:** For wired mini keyboard: light switch ON/OFF. For wireless mini keyboard: Power switch ON/OFF.
2. **USB-Type C port:** Power supply and devices connection
3. **connect button:** After selecting the wireless mode, press and hold for 3 seconds to enter pairing mode
4. **MODE light:** Blue light (USB mode); Red light (Bluetooth mode); Green light(2.4G mode).Light effect: Flashing at an interval of 1 second indicates a reconnection status; Flashing every 2 seconds indicates pairing status; Connected status lighting effects can be configured in the ElfKey software.
5. **Keys:** Press to trigger the key function you've set up.
6. **S button:** Key layer switching button, press to switch key layers. Factory default condition there is only 1 layer of keys. You can add the 2nd and 3rd layers with the software. Each key-value layer can be set with a different function.
7. **Key light:** Press the S button, the different color lights indicate different layers. Red light (layer 1); Green light (layer 2); Blue light (layer 3). Please note: You need to switch the device to USB mode and connect it to a computer, run the ElfKey software, and then you can start to set up the key function.
8. **USB/2/BT:** connection mode. Switch to USB USB 2.4G 2 or Bluetooth BT mode connection

## How to use

1. The wired models are named MK424U. The wireless models are named MK424BT MK424G MK424Pro.
2. Download and install the Elfkey software from: [software.pcsensor.com](https://software.pcsensor.com).
3. Connect the custom keyboard to your computer with the USB cable. Run Elfkey software, press the connect button of the device until the mode light turns blue (USB mode), and the ElfKey software will automatically recognize the device.



4. After connecting by USB mode, you can start setting up the key function according to the software guidelines. (You can find the ElfKey User Manual on the software).
5. Please note "one-click open" function of wired versions requires running ElfKey software. Other functions of all versions can be used without running software.
6. Bluetooth Mode (only for Pro, Bluetooth version):
  - **a:** switch mode selector USB/2/BT to BT mode.
  - **b:** Press and hold the connect button for 3-5 seconds, then the light will blink every 2 seconds to enter the pairing mode,
  - **c:** Search for the Bluetooth named "device model" on your device and connect. After a successful connection, the indicator light turns on for 2 seconds, and then the red light will flash and turn off.
7. 2.4G Mode (only for Pro, 2.4G version): Switch mode selector USB/2/BT to 2.4G mode, and insert the USB receiver into the device. After a successful connection, the indicator light stays on for 2 seconds, and then the indicator light will flash. (No need to pair). If you need to pair the 2.4G receiver again, press and hold the connect button for 3-5 seconds to enter pairing mode. Then insert the USB receiver into the computer, and the device will automatically pair when it is near the receiver. After successful pairing, the indicator light stays on for 2 seconds, then flashes.

## Function Introduction

1. **Keyboard and mouse functions:** A single key of the custom keyboard can be set to key, key combo, shortcut, hotkeys or mouse cursor scroll up/down.
2. **String function:** Continuously output letters or symbols, up to 38 characters like "hello, world."
3. **Multimedia functions:** Common functions such as volume +, volume -, Play/ Pause, click "my computer" etc.
4. **Macro definition function:** This function can set a combination action of keyboard and mouse, and you can custom a delay time to this action. You can use the recording function to record the actions of the keyboard and mouse.
5. **"One-Key Open" function (wired version only):** One click opens the specified files, PPTs, folders, and web

pages that you've set up. (This function works only when the software is running, so it is only available in wired versions).

For more information about how to configure Elfkey, see [How to Use Elfkey](#).

## Product parameters

1. **Product name:** Mini Keyboard
2. **Bluetooth communication distance:**  $\geq 10\text{m}$
3. **Bluetooth version:** Bluetooth 5.1 4.2.4G communication distance:  $\geq 10\text{m}$
4. **Power supply:** lithium battery
5. **Shaft body:** green shaft
6. **Switch service life:** 50 million times
7. **Connection:** Bluetooth, 2.4G, USB
8. **Product size:** 95\*40\*27.5mm
9. **Product weight:** about 50 grams

## FCC

For more questions, you can ask the customer service phone number and customer service email at the bottom of the official website for help. Thank you.

### FCC Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, under 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 by 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 the receiver.
- Connect the equipment to 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.

**Caution:** Any changes or modifications to this device not explicitly approved by the manufacturer could void your authority to operate this equipment.

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.

### RF Exposure Information

The device has been evaluated to meet general RF exposure requirements. The device can be used in portable

exposure conditions without restriction.

## Documents / Resources

	<a href="#">PC sensor MK424 Custom Keyboard</a> [pdf] User Manual 2A54D-MK424, 2A54DMK424, MK424 Custom Keyboard, MK424, Custom Keyboard, Keyboard
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## References

-  [PCsensor RDingtech RDing](#)
- [User Manual](#)

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