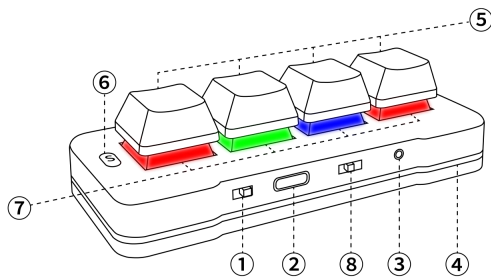


MK424 Series Product Manual

1. Product Overview:



2. Product function:

The MK424 is a mini keypad with fully programmable keys. The bundled software allows you to assign each key to keyboard inputs, mouse controls, text string output, multimedia shortcuts, and macro sequences. Detailed function descriptions are as follows:

1.Keyboard Function Keys can be programmed to any single key or key combination (including F13–F24), e.g., single key A or shortcut Ctrl+A.

2.Mouse Function Supports mouse left/middle/right click, forward/backward navigation, X/Y axis cursor movement, and scroll wheel up/down control.

3.Text String Output Stores and outputs text strings up to 38 characters long, e.g., `www.pcsensor.com`.

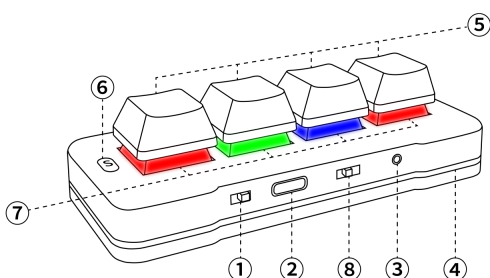
4.Multimedia Function Multimedia shortcuts supported: previous track, next track, volume up, volume down, etc.

5.Macro Function Record custom sequences of keyboard and mouse actions. Example: Ctrl+P → 100ms delay → Enter for one-click automatic printing.

3. Product Specifications:

- | | |
|--|--|
| 1. Product Name: Mini Keypad | 6. Switch Switch TypeBlue Switches |
| 2. Bluetooth Communication Range: ≤ 10 meters | 7. Switch Lifespan : 50 million keystrokes |
| 3. Bluetooth VersionBluetooth 5.1 | 8. Connection Modes: |
| 4. 2.4G Wireless Communication Range: ≤10 meters | Bluetooth, 2.4G Wireless, USB Wired |
| 5. Power SupplyLithium Battery | 9. Product Dimensions: 95*40*27.5mm |
| | 10. Product Weight: Approx. 50 grams |

4. Component Instructions:



① OFF/ON Switch:

- Wireless models: Power switch (OFF = power off; ON = power on)
- Wired models: Backlight switch (OFF = lights off; ON = lights on)

② Type-C Port: For wired PC connection, device charging, and linking to other compatible devices.

③ Connect Button: Hold for 3 seconds to enter pairing mode.

④ Connection Indicator Light

- Red = Bluetooth Mode
- Green = 2.4G Wireless Mode
- Blue = USB Wired Mode Light flash rules:
- Fast flash (1-second interval): Auto-reconnect standby
- Slow flash (2-second interval): Pairing mode

⑤ Programmable Function Keys: Press to trigger the assigned custom function.

⑥ S Key (Layer Switch) Single press to switch key mapping layers. Factory default: Only 1 mapping layer. After adding Layer 2 / Layer 3 via software, press the S key to toggle between layers, each with independent custom key assignments.

⑦ Function Key Status Lights: Light color indicates active mapping layer after pressing the S key: Red = Layer 1, Green = Layer 2, Blue = Layer 3

⑧ Mode Select Switch: Toggle between USB, Bluetooth, and 2.4G wireless modes.

Note: The ElfKey configuration software only works for function customization when the device is connected to PC via USB mode.

Charging Status Indicators:

- Charging: Red marquee running light effect
- Fully charged: Marquee light stops; enters breathing light mode. If custom light effects were set via software, full-charge light behavior may also be steady breathing, static flash, or flash on keypress.

Connection Guides

Bluetooth Connection:

- Toggle mode switch to Bluetooth mode.
- Hold the Connect button for 3 seconds; the red connection indicator flashes slowly (2-second interval) to signal pairing standby.
- Enable Bluetooth on your PC/phone, select the device starting with the model name, and complete pairing.
- Upon successful connection: Red indicator stays solid for 2 seconds, flashes colorful lights briefly, then turns off.

2.4G Wireless Connection: • Toggle mode switch to 2.4G mode.

- Plug the included 2.4G receiver into your device; pairing is automatic with no extra setup required.
- Upon successful connection: Green indicator stays solid for 2 seconds, flashes colorful lights briefly, then turns off.

Re-pair 2.4G Receiver

1. Stay in 2.4G mode, hold the Connect button for 3 seconds to enter pairing standby.
2. Plug the receiver into your PC and keep the keypad close to the receiver for automatic re-pairing.
3. Upon successful re-pairing: Green indicator stays solid for 2 seconds, flashes colorful lights briefly, then turns off.

ElfKey Configuration Software Guide

Software Download

Download the latest ElfKey version from software.pcsensor.com. Compatible with Windows and macOS systems.

Step-by-Step Key Customization

1. Switch the keypad to USB mode (blue indicator on).
2. Connect the keypad to your PC via USB cable.
3. Launch the ElfKey software.
4. Select the target key configuration window.
5. Click or input your desired custom function for the key.
6. Click Save to store settings to the keypad.

Modify Bluetooth Device Name

1. Open Bluetooth Settings in the software.
2. Enter your custom device name in the name input box.
3. Click Save to Keypad to apply the new Bluetooth name.

Set Auto-Sleep Timer

1. Open Bluetooth Settings in the software.
2. Input the idle time threshold in the sleep timer field. The device will enter sleep mode after the set duration of no keypress activity.

Model Selection Table:

Model	USB Wired Support	Bluetooth Support	2.4G Wireless Support
MK424Pro	Yes	Yes	Yes

MK424BT	Yes	Yes	--
MK424G	Yes	--	Yes
MK424U	Yes	--	--