

MK125BTCustom Keyboard User Manual-v1.8

Applicable to: MK125BT



1. Product Introduction:

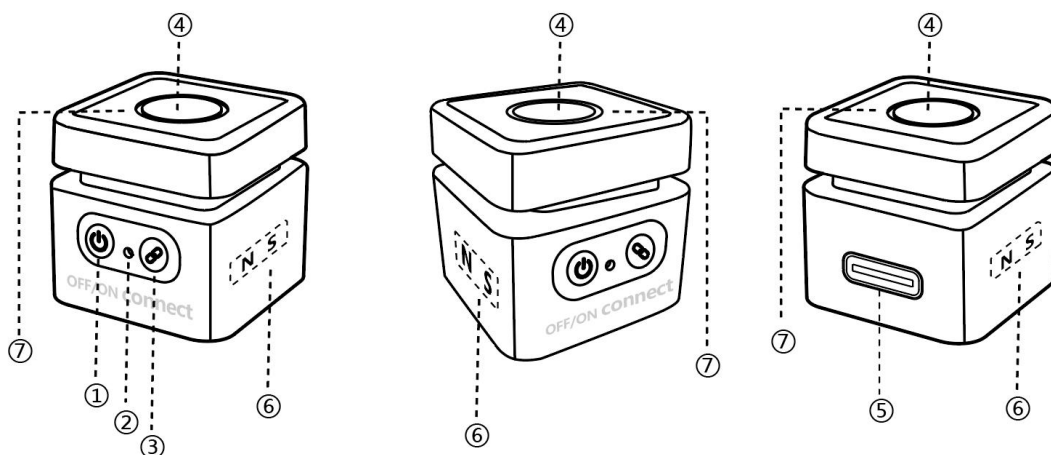
The custom keyboard is an HID input device similar to computer keyboards and mice. Its output functions can be modified via the supporting ElfKey software. It is widely used in medical, industrial, office, gaming assistance and other scenarios. Like standard HID devices, the custom keyboard is compatible with mobile phones, tablets, computers and other equipment. It supports operating systems including Windows, macOS, Linux, Android, iOS and HarmonyOS.

You may configure output functions for the custom keyboard through ElfKey. Once settings are saved, the keyboard can work independently without running ElfKey. The software allows repeated reconfiguration of the keyboard functions. ElfKey offers versions for Windows and macOS.

Multiple custom keyboards can be connected to one computer simultaneously without conflicts with ordinary keyboards and mice. When multiple devices are connected to ElfKey, please select them one by one to configure their output functions.

ElfKey Software Download Link: software.pcsensor.com

2. Product Overview:



① OFF/ON Switch: Power switch. When powered off, press and hold the switch. The mode indicator flashes red every 100ms. Keep holding until the red light stays on steadily for 5 seconds to power on. When powered on, press and hold until the blue indicator lights up then turns off to power off. (Note: Power-off is unavailable when the Type- C cable is connected.)

② Connection Mode Indicator: Red light (Bluetooth Mode); Blue light (USB Mode); White light (Fully Charged). Light status: Fast flash (flashes every 0.5s) = Reconnection state; Slow flash (flashes every 2s) = Pairing state. The lighting effect under connected status can be configured in ElfKey software.

③ Connect Key: Short press to switch working modes. Press and hold under Bluetooth Mode to enter Bluetooth pairing mode. Bluetooth Mode is set by default. After connecting to a computer via Type- C port, short press the Connect key to switch to USB Mode.

④ Function Keys: Press a function key, and the device will output the corresponding function.

⑤ Type- C Port: Used for connecting to computers, charging and linking other devices.

⑥ Magnetic Attraction Surface: Multiple MK125BT units can be combined via the magnetic surfaces.

⑦ Key Backlight: Red light (Bluetooth Mode); Blue light (USB Mode); White light (Fully Charged). Light status: Monochrome breathing light = Charging reminder; Red light turns on for 1 second every 3 seconds = Low battery reminder. Connected lighting effects can be modified via ElfKey.

3. Operating Instructions:

3.1 Open the URL software.pcsensor.com on your computer, download and install ElfKey software, then launch it.

3.2 Power on the custom keyboard and connect it to the computer with the supplied data cable. Short press the Connect key until the connection mode indicator turns blue to switch to USB Mode. The ElfKey software will automatically connect to the device.

3.3 After ElfKey connects to the device, follow the **Setup Wizard** within the software to modify the output functions of the function keys.

3.4 Bluetooth Connection: Short press the Connect key to switch to Bluetooth Mode (red light). Then press and hold the Connect key for 3 - 5 seconds. The connection mode indicator will flash red slowly at 2-second intervals to enter pairing mode. On your computer or mobile Bluetooth list, select the Bluetooth name starting with "MK125BT" to establish connection. Upon successful connection, the connection mode indicator will flash multicolored lights and then turn off.

3.5 Battery Status: Charging: The key backlight displays red or blue breathing light effect; Fully charged: Lighting effect defined in the software; Low battery alert: Red light flashes once every 3 seconds.

3.6 Sleep Mode: In Bluetooth Mode, the device enters sleep mode automatically after 20 minutes of inactivity. Short press any key to wake it up. This time setting can be adjusted via ElfKey software.

4. Function Introduction:

4.1 Keyboard & Mouse Functions: Supports any single key or key combinations of keyboard/mouse; mouse cursor movement and scroll wheel actions.

4.2 String Function: Output continuous letters or symbols, maximum 38 characters.

4.3 Multimedia Functions: Common multimedia controls including volume up/down, play/pause, My Computer, etc.

4.4 Macro Definition Function: This function allows setting combined keyboard and mouse actions with adjustable delays between actions. You can use the record function to capture keyboard and mouse operations.

5. Product Specifications:

5.1 Product Name: Custom Keyboard

5.2 Model: MK125BT

5.3 Connection Methods: USB connection,

Bluetooth connection

5.4 Bluetooth Version: Bluetooth

5.5 Bluetooth Communication Range: ≤ 10 m

5.6 Service Life of Function Keys:

Approx. 50 million presses

5.7 Product Dimensions: 26x26x25.5 mm

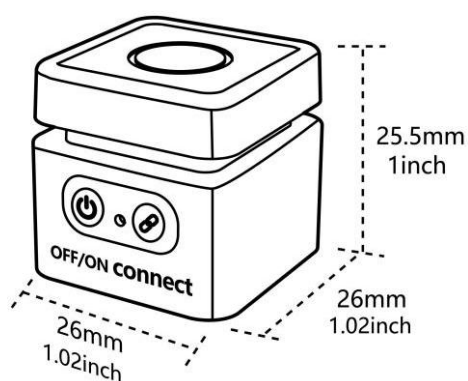
5.8 Product Weight: Approx. 13 g

5.9 Rated Voltage: 5 V

5.10 Rated Current: 1.5 mA @ 3.7 V

5.11 Battery Type: Built-in rechargeable lithium battery

5.12 Battery Life: Standby time approx. 4000 hours



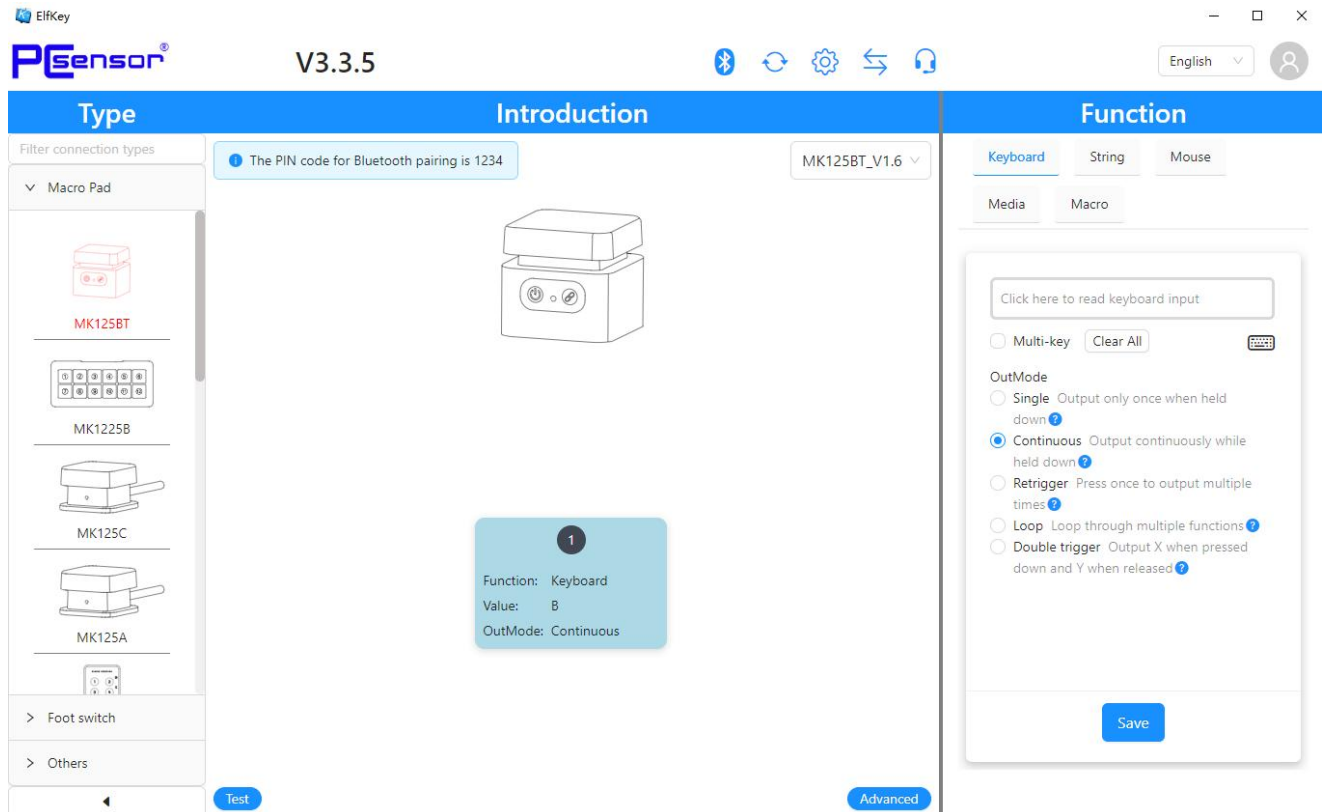
6. Selection Table

Model	USB Function	Bluetooth Function	Magnetic Splicing Function
MK125BT	Yes	Yes	Yes

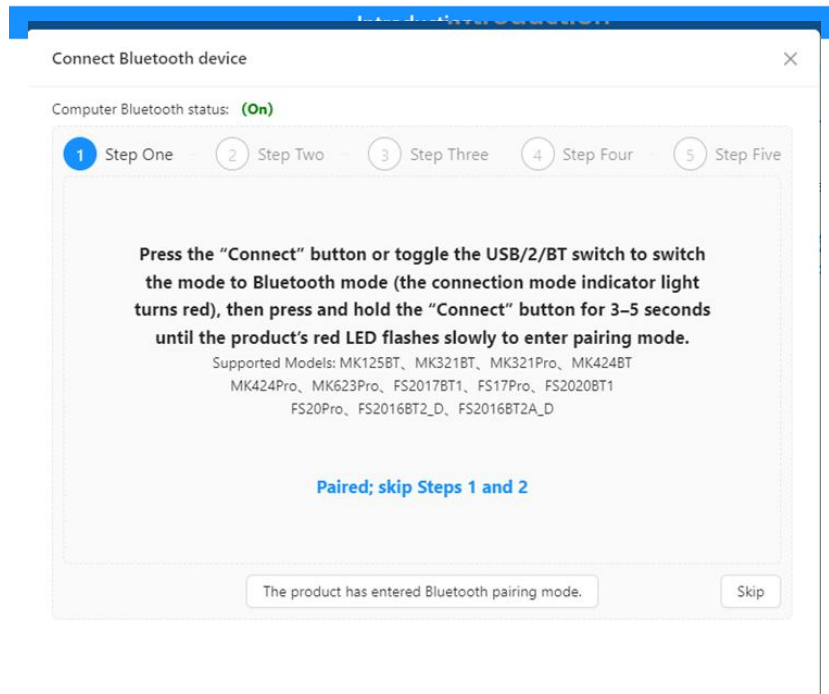
7. Software Operation Instructions:

Software Download Address: software.pcsensor.com Download and install the latest version of ElfKey software. Currently, the software supports Windows and macOS systems.

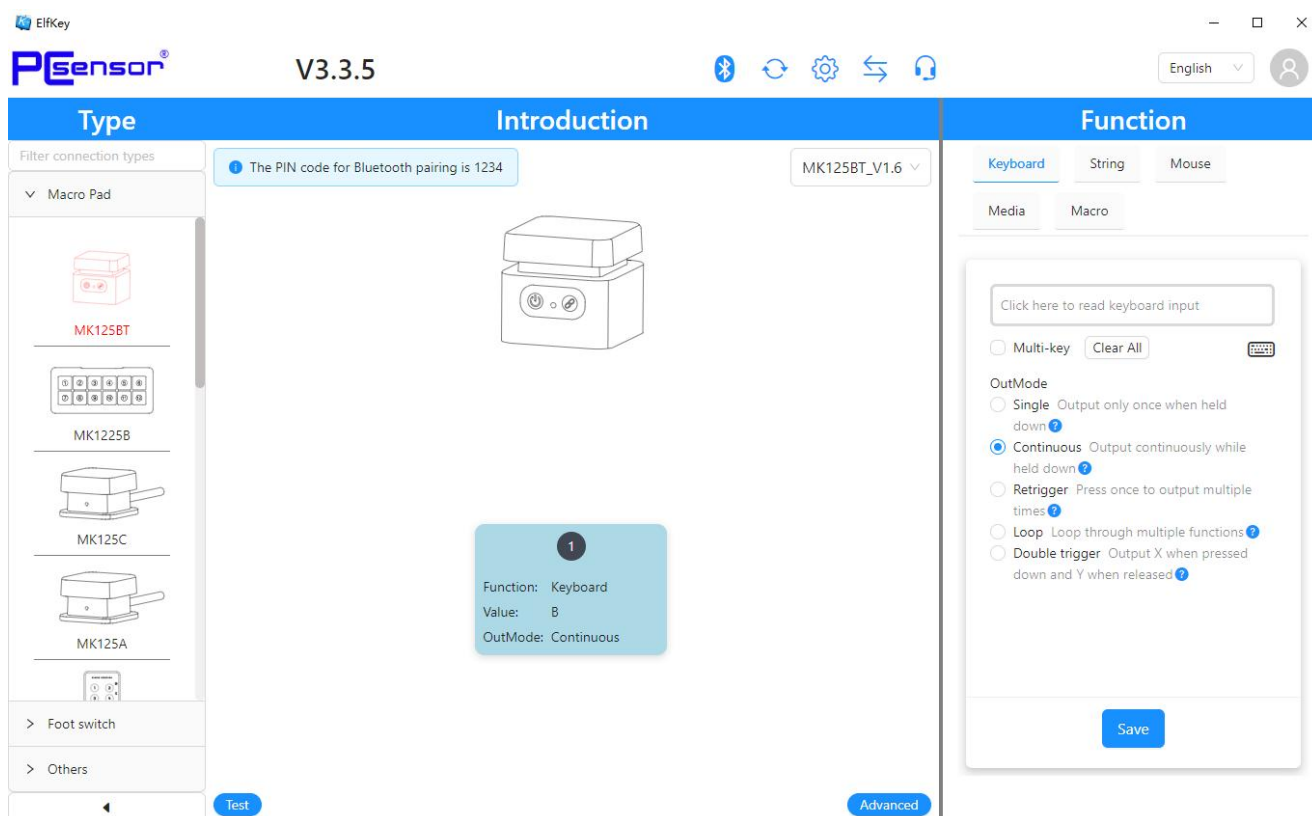
7.1 Connect to ElfKey via USB Mode: Launch the software. Connect the device to your computer with a USB cable. Press the Connect key to switch to USB Mode (blue light on) and configure settings through the software. See the figure below for the successful connection diagram:



7.2 Connect to ElfKey via Bluetooth Mode: Launch ElfKey software, click **Connect via Bluetooth**, and follow the steps prompted by the software.



7.2.2 After successful connection, you will be redirected to the device key value setting interface.



7.3 Steps for configuring key values in ElfKey software are as follows:

7.3.1 Ensure the device is connected to ElfKey. Refer to sections 7.1 and 7.2 for connection procedures.

7.3.2 Select the corresponding MK125BT product window in device information;

7.3.3 Choose the key to be modified under device information;

7.3.4 Click within the function setting column and enter the target content;

7.3.5 Click the Save button to finish configuration.

7.3.6 Saving is completed when a save completion prompt appears and the modified content is displayed below the corresponding key position.

7.4 Modify Bluetooth Name Suffix: Below the device information, click the Bluetooth icon to open Bluetooth settings. You can add or edit the suffix of the device Bluetooth name in the Bluetooth name suffix field. Enter the characters to be added in the input

box and click Save to Device to complete modification of the Bluetooth name suffix, as shown in the figure below.

7.5 For more software instructions, please refer to the software help documentation.

