PCsensor MK623U

PCsensor 6 Key Mini Keypad User Manual

Model: MK623U

1. INTRODUCTION

The PCsensor 6 Key Mini Keypad, Model MK623U, is a versatile and programmable mechanical keyboard designed for various applications including gaming, office work, and specialized tasks. It features 6 customizable keys, RGB LED lighting, and multiple connectivity options including USB-C, 2.4GHz wireless, and Bluetooth. This manual provides detailed instructions for setting up, operating, and maintaining your mini keypad.

Image 1.1: The PCsensor 6 Key Mini Keypad, showcasing its compact design and included USB-C cable.

2. PACKAGE CONTENTS

- PCsensor 6 Key Mini Keypad (MK623U)
- USB-C to USB-A Cable (Nylon Braided)
- 2.4GHz Wireless USB Receiver (Dongle)
- User Manual (this document)

3. PRODUCT OVERVIEW

Familiarize yourself with the various components and controls of your mini keypad.

Image 3.1: Labeled diagram of the mini keypad, indicating the 'S' key, OFF/ON switch, Type-C Port, Connect button, and connect mode LED.

- **Keys (1-6):** Programmable mechanical keys.
- **'S' Key:** Used for switching between programmed key groups/layers.
- **OFF/ON Switch:** Powers the device on or off.
- **Type-C Port:** For wired connection, charging, and programming.
- **Connect Button:** Initiates pairing for wireless connections.
- **Connect Mode LED:** Indicates connection status and mode.

4. SETUP

4.1 Charging the Keypad

Before initial use, ensure the keypad is fully charged. Connect the provided USB-C cable to the keypad's Type-C port and the other end to a USB power source (e.g., computer USB port, wall adapter).

4.2 Connectivity Options

The keypad supports three connection methods:

1. **Wired USB-C Connection:**
   Connect the keypad directly to your computer using the USB-C cable. The keypad will be recognized automatically. This mode is required for programming the keys.

2. **2.4GHz Wireless Connection:**
   a. Insert the 2.4GHz USB receiver into an available USB port on your computer.
   b. Turn on the keypad using the OFF/ON switch.
   c. Press the 'Connect' button on the keypad to initiate pairing. The connect mode LED will indicate pairing status.
   d. The keypad should connect automatically to the receiver.

3. **Bluetooth Connection:**
   a. Turn on the keypad using the OFF/ON switch.
   b. Press and hold the 'Connect' button until the connect mode LED blinks, indicating Bluetooth pairing mode.
   c. On your device (PC, smartphone, tablet), navigate to Bluetooth settings and search for available devices.
   d. Select the PCsensor keypad from the list to pair.

4.3 Software Installation and Programming

The keypad's keys are programmable. Programming must be done on a Windows or macOS computer using the dedicated software. Once programmed, the settings are stored on the keypad and will function across all compatible operating systems (Windows, macOS, Linux, Android, iOS).

1. **Download Software:** Obtain the latest programming software from the official PCsensor website.

2. **Connect Keypad:** Connect the keypad to your computer via the USB-C cable.

3. **Launch Software:** Open the downloaded programming software.

4. **Program Keys:** Within the software interface, you can assign various functions to each of the 6 keys. Functions include:

   - **Keyboard Function:** Assign single keys or key combinations (e.g., Ctrl+C, Alt+Tab).
   - **Mouse Function:** Assign mouse clicks (left, right, middle) or scroll actions.
   - **String Input:** Program keys to type a sequence of characters (e.g., an email address).
   - **Multimedia:** Control media playback (play/pause, volume up/down, next/previous track).
   - **Macro Definition:** Create complex sequences of keystrokes and delays.

5. **Save Settings:** After programming, save the settings to the keypad using the software's 'Save' function. The settings will be stored on the device.
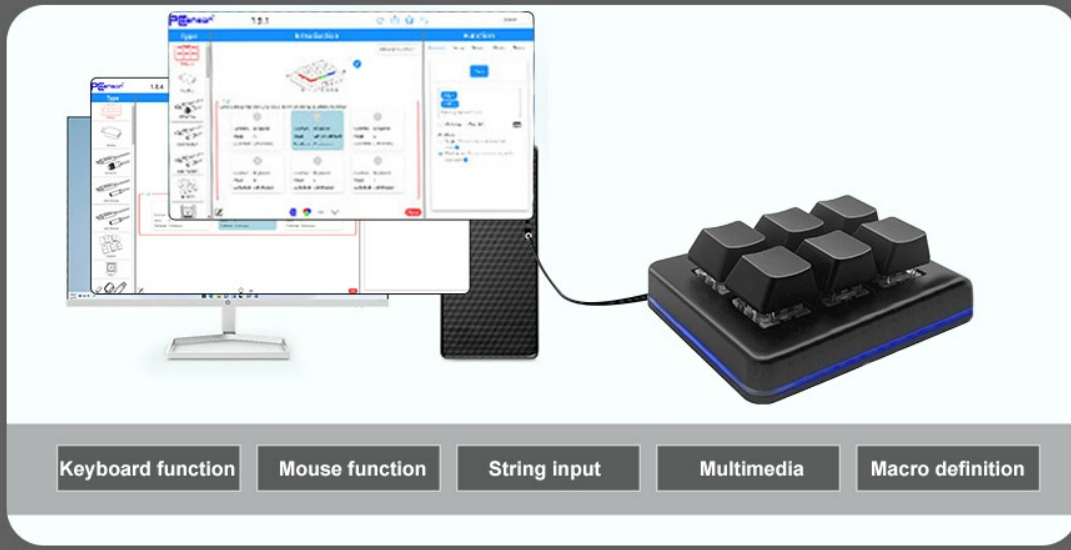
Image 4.1: The PCsensor programming software interface, showing options for keyboard, mouse, string, media, and macro functions.
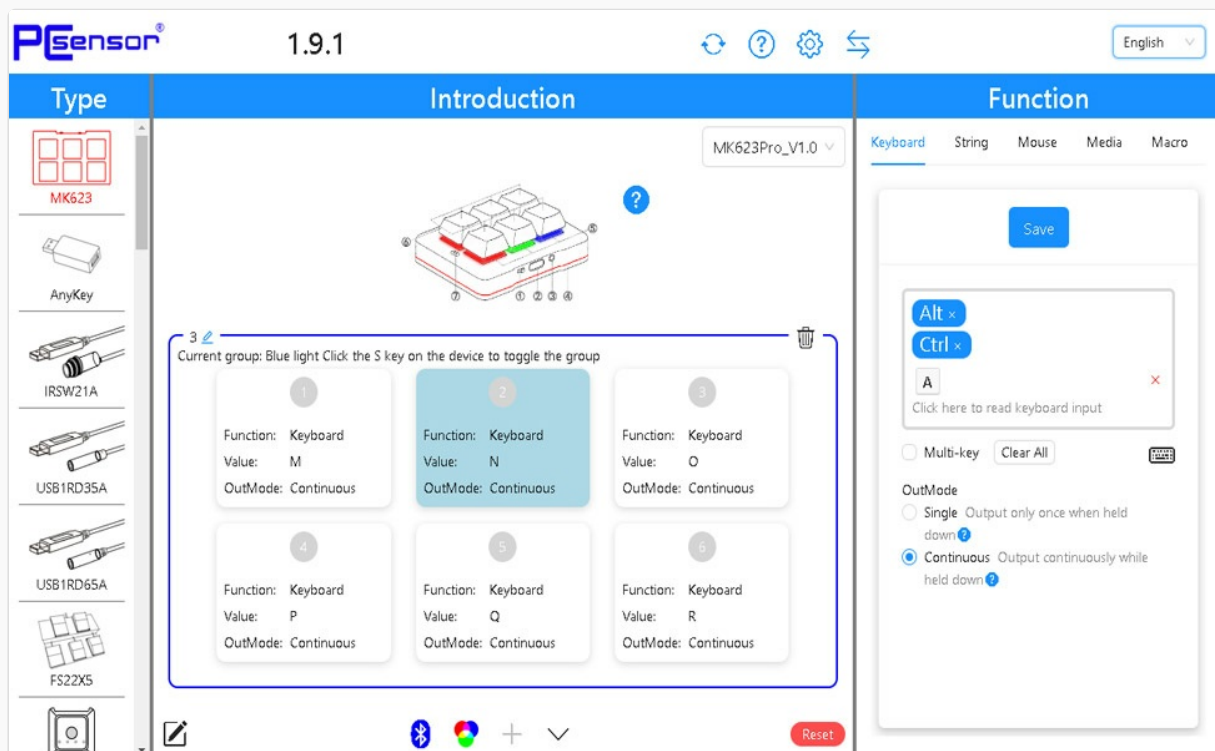

Image 4.2: A closer look at the key assignment section within the programming software, demonstrating how to set functions like 'Alt+Ctrl+A' for a key.

5. OPERATION

5.1 Using Programmed Keys

Once programmed, simply press the assigned keys to execute their functions. The keypad supports multiple key groups (layers), which can be toggled using the 'S' key. This allows you to have more than 6 functions readily available.

5.2 RGB LED Lighting

The keypad features customizable RGB LED lighting. Lighting effects and colors can be adjusted through the programming software. Refer to the software's lighting section for available options.

Image 5.1: The mini keypad connected to a laptop, demonstrating its use in a typical setup.

6. MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the keypad. For stubborn dirt, a slightly damp cloth can be used, ensuring no moisture enters the device.
- **Storage:** Store the keypad in a cool, dry place away from direct sunlight and extreme temperatures.
- **Battery Care:** To prolong battery life, avoid fully discharging the keypad frequently. Charge it regularly, especially if not used for extended periods.

7. TROUBLESHOOTING

- **Keypad not responding:**
  a. Ensure the keypad is powered on.
  b. Check the battery level and charge if necessary.
  c. For wireless connections, ensure the receiver is properly inserted and the keypad is paired.
  d. For wired connection, ensure the USB-C cable is securely connected to both the keypad and the computer.

- **Keys not performing assigned functions:**
  a. Verify that the keys have been correctly programmed using the software.
  b. Ensure the settings were saved to the keypad after programming.
  c. If using key groups, ensure you are on the correct group (check 'S' key status).

- **Connectivity issues (2.4GHz/Bluetooth):**
  a. Ensure the keypad is within range of the receiver/device.
  b. Re-initiate the pairing process as described in Section 4.2.
  c. Try connecting to a different USB port for the 2.4GHz receiver.
  d. Ensure Bluetooth is enabled on your host device.

- **RGB lighting not working as expected:**
  a. Check lighting settings in the programming software.
  b. Ensure the keypad has sufficient power.

8. SPECIFICATIONS

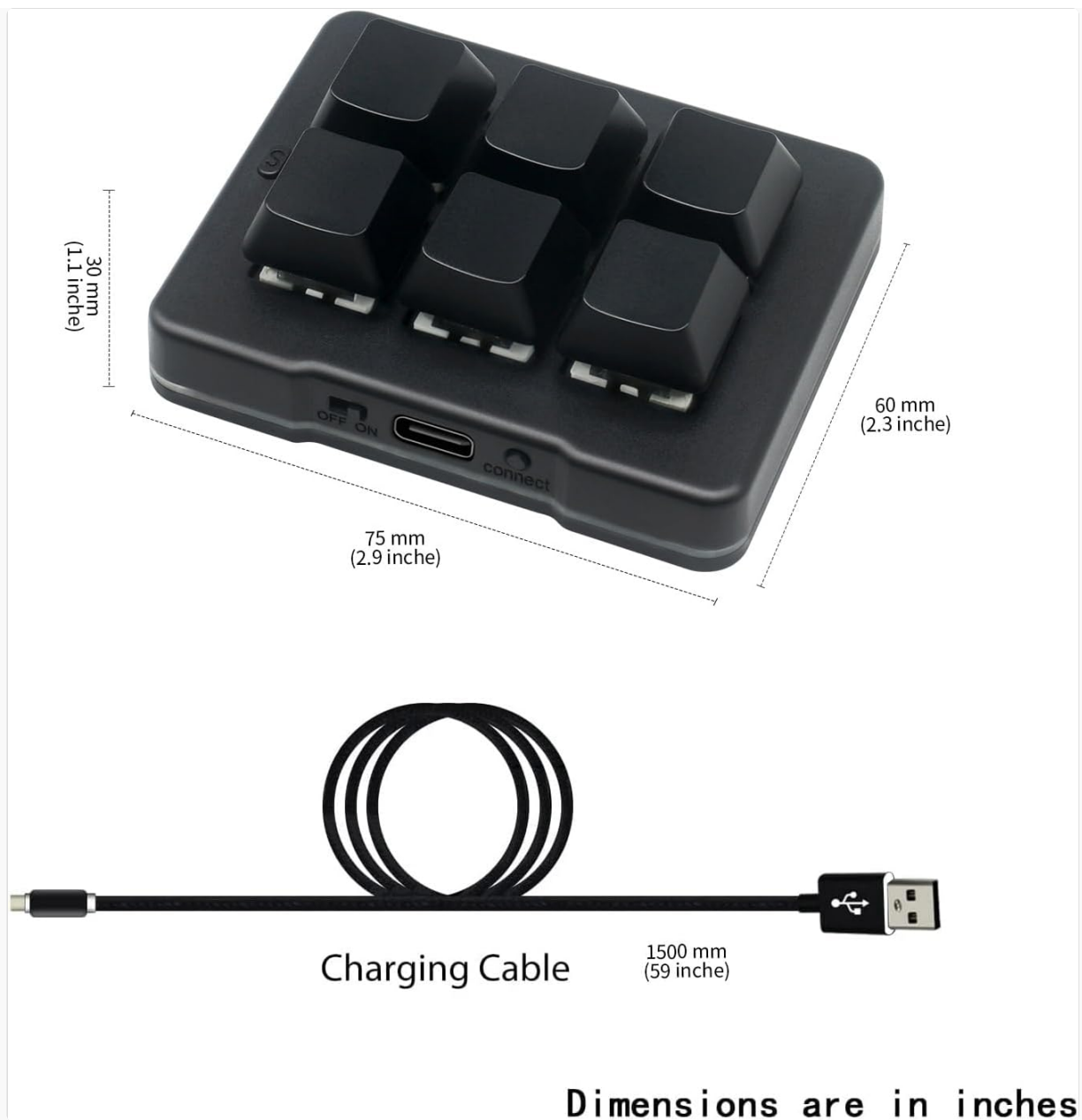| Feature	Detail
Product Dimensions	2.9 x 2.3 x 1.1 inches (7.37 x 5.84 x 2.79 cm)
Item Weight	1.76 ounces (50 grams)
Connectivity Technology	USB-C (Wired), 2.4GHz Wireless, Bluetooth
Keyboard Description	Macro, Mechanical
Compatible Devices	Laptop, PC, Smartphone, Tablet (Windows, macOS, Linux, Android, iOS)
Special Feature	Hotkeys and Media Keys, Programmable, RGB Backlighting
Keyboard Backlighting Color Support	RGB
Batteries	1 Lithium Metal battery (included)

Image 8.1: Diagram illustrating the physical dimensions of the PCsensor 6 Key Mini Keypad.

9. WARRANTY AND SUPPORT

PCsensor products are designed for reliability and performance. For warranty information, technical support, or further assistance, please refer to the official PCsensor website or contact their customer service directly. Keep your purchase receipt for warranty claims.
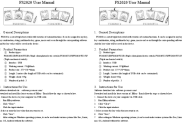
Related Documents - MK623U

	PCsensor Custom Keyboard User Guide and Functionality Comprehensive guide to the PCsensor Custom Keyboard, detailing setup, mode switching, pairing, and advanced programmable functions including keyboard, mouse, macro, and multimedia controls.

[FS2020 Triple Foot Switch User Manual](#)

User manual for the FS2020 Triple Foot Switch, detailing its general descriptions, product parameters, and instructions for use. This device can be programmed for various key assignments, macros, and shortcuts.

[PCsensor Triple Foot Pedal User Manual and Configuration Guide](#)

Comprehensive user manual for the PCsensor triple foot pedal, covering setup, software configuration for keyboard, mouse, string, multimedia, and gaming functions. Includes installation instructions and system compatibility.

[PC Sensor Custom Keyboard User Manual MK321/623/424](#)

User manual for PC Sensor custom keyboards, Series MK321, MK623, and MK424. Covers product introduction, features, connectivity, and function setup.

[MK321-Pro Mini Keyboard User Manual - PCSensor](#)

Comprehensive user manual for the PCSensor MK321-Pro, a 3-mode (Bluetooth, 2.4G, USB) customizable mini keyboard. Learn about its features, setup, software configuration, and FCC compliance.

[FS2016BT1_D Bluetooth Foot Switch: Features, Setup, and Operation](#)

Detailed guide to the PCSensor FS2016BT1_D Bluetooth foot switch, covering its functions, product parameters, Bluetooth pairing, software description, and FCC compliance.