BRIMFORD 4CPCA

BRIMFORD 4-Key + 1-Knob Programmable Macro Keyboard User Manual

Model: 4CPCA

1. Introduction

This manual provides comprehensive instructions for the BRIMFORD 4-Key + 1-Knob Programmable Macro Keyboard. This compact device is designed to enhance efficiency in various applications, including gaming, media control, and professional work, through customizable key functions and a rotary knob.

Please read this manual carefully to ensure proper setup and operation of your device.

2. Package Contents

Verify that all items are present in your package:

- BRIMFORD 4-Key + 1-Knob Programmable Macro Keyboard
- USB-C to USB-A Cable
- Protective Rubber Rings (for bottom screws)

3. Product Overview

The BRIMFORD Macro Keyboard features four programmable keys and one rotary knob, offering versatile control in a compact form factor. It connects via a wired USB-C interface.



Figure 3.1: BRIMFORD 4-Key + 1-Knob Programmable Macro Keyboard. This image shows the compact black macro keyboard with four keys and a central rotary knob, connected via a USB-C cable.



Figure 3.2: Product Dimensions. The top-down view shows a width of 87mm and a depth of 65mm. The side view indicates a height of 40mm.

4. Setup

1. **Attach Rubber Rings:** Locate the protective rubber rings in the package. These are designed to be attached to the screw parts on the bottom of the keyboard to prevent slipping during use.
2. **Connect to Computer:** Plug the USB-C end of the provided cable into the macro keyboard and the USB-A end into an available USB port on your computer (PC or laptop).

3. **Initial Recognition:** The keyboard should be recognized automatically by your operating system as a standard input device. Basic functions may work without additional software.

5. Software Installation and Customization

To unlock the full programmable capabilities of your BRIMFORD Macro Keyboard, you must download and install the dedicated programming software.

5.1. Software Download

Download the programming software and the Japanese instruction manual from the following official link:

https://drive.google.com/drive/folders/1YQJxHzaXdCxFVFjgBANncAleh83ju10B

Note: Ensure your antivirus software is up to date before downloading and installing any software.

5.2. Customizing Keys and Knob

The software allows you to assign various functions to each of the four keys and the rotary knob (left turn, right turn, press). Customizable functions include:

- **Complex Character Input:** Program keys to input sequences of numbers, letters, or symbols (e.g., "1a2b3").
- **Shortcut Keys:** Assign common keyboard shortcuts like Ctrl+C (Copy), Ctrl+V (Paste), Alt+Shift+Ctrl+S, etc.
- **Multimedia Controls:** Control media playback (play/pause, previous track, next track).
- **Mouse Operations:** Program mouse clicks or movements.
- **LED Effects:** Switch between various LED lighting effects.

To program a key:

1. Open the programming software.
2. Click on the key you wish to configure in the software interface.
3. Select the desired function from the available options.
4. Click the "Download" button to save the configuration to the keyboard.

ソフトのダウンロードをお願いします。

https://drive.google.com/drive/folders/1YQJxHzaXdCxFVFjgBANncAleh83ju10B

設定したいキーをクリックし、設定したい機能を選択して
[Download]をクリックします。



Figure 5.1: Programming Software Interface. This image displays the software used to customize key functions, showing options for basic keys, multimedia, and LED modes.



Figure 5.2: Customization in Action. The image shows the macro keyboard connected to a laptop, with an arrow indicating the rotary knob's function for left/right rotation and press, highlighting its customizable nature.

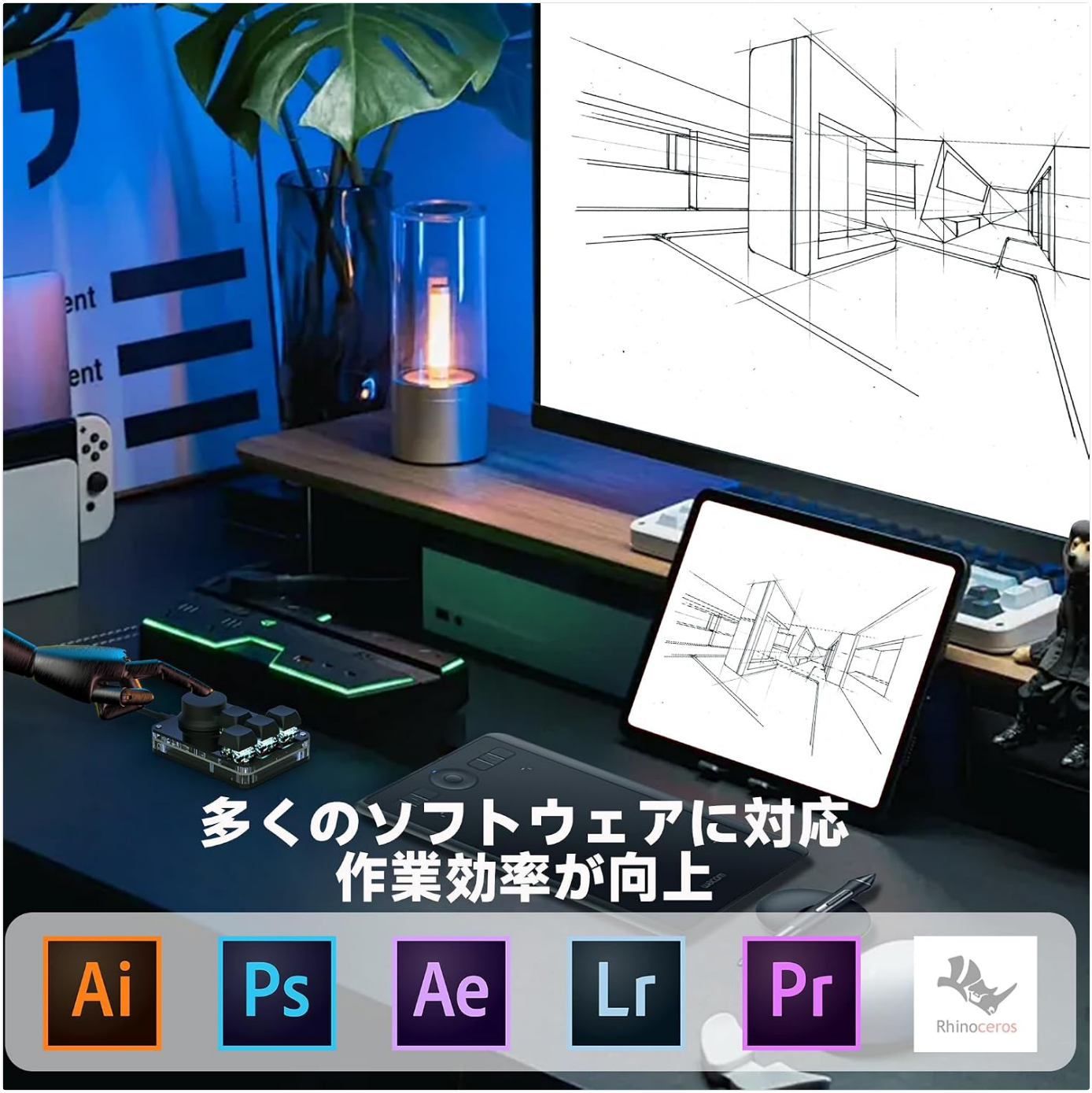


Figure 5.3: Software Compatibility. This image illustrates the macro keyboard's compatibility with various professional software, including Adobe Illustrator (Ai), Photoshop (Ps), After Effects (Ae), Lightroom (Lr), Premiere Pro (Pr), and Rhinoceros, indicating its utility for creative and design tasks.

6. Key Features

6.1. Red Mechanical Switches

The keyboard utilizes red mechanical switches, known for their linear feel and light actuation force. They offer a smooth keystroke without a tactile bump or audible click, making them suitable for both rapid gaming inputs and comfortable extended typing sessions. These switches are rated for 50 million keystrokes, ensuring durability.

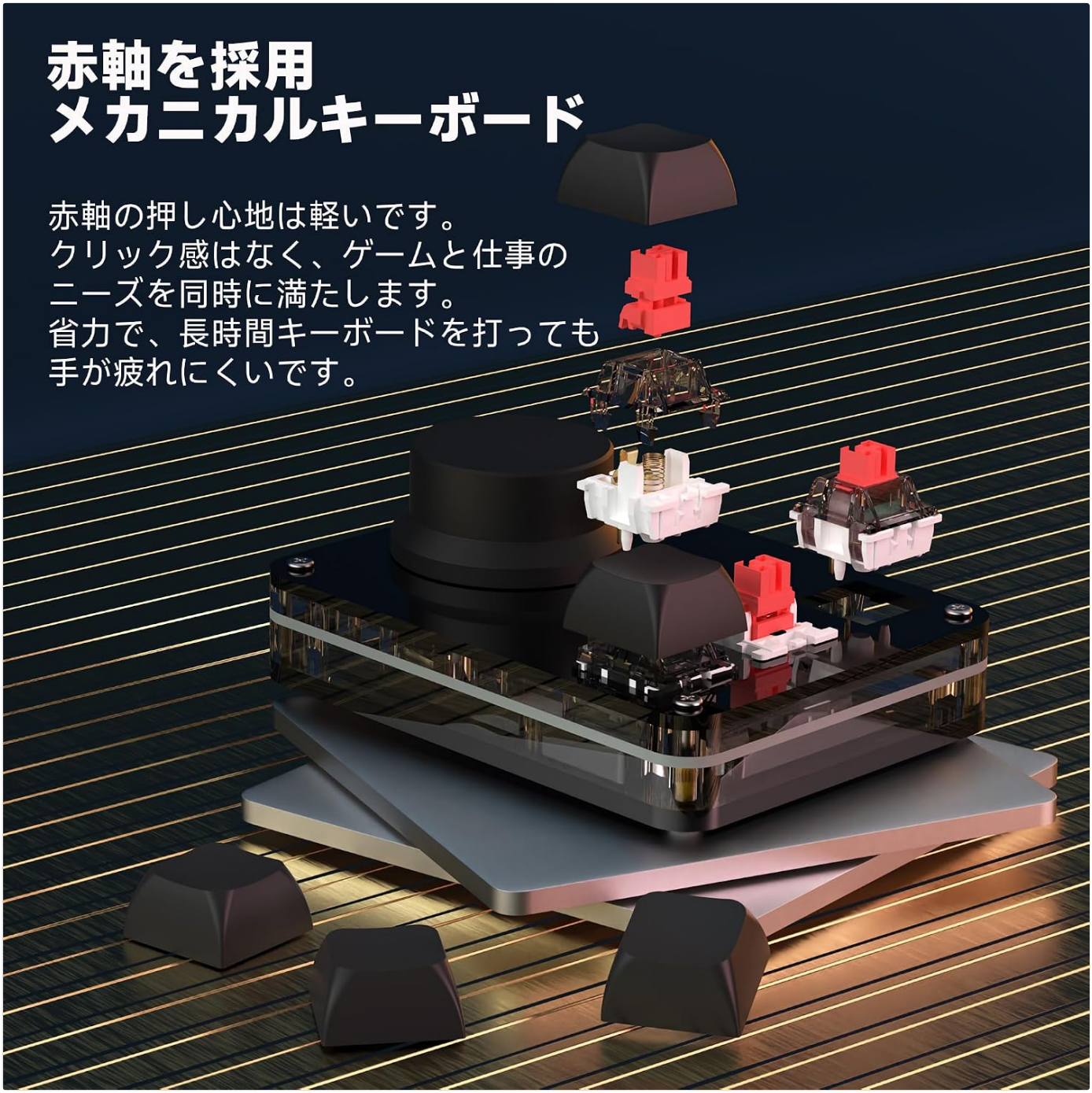


Figure 6.1: Red Mechanical Switches. This exploded view illustrates the components of the red mechanical switches used in the keyboard, highlighting their linear design for a smooth and consistent press.

6.2. Hot-Swappable Design

The BRIMFORD Macro Keyboard supports hot-swappable 3-pin mechanical switches. This feature allows users to easily replace switches without soldering, enabling customization of the typing feel and sound. You can also replace keycaps to personalize the keyboard's appearance.

6.3. LED Lighting Effects

The keyboard features customizable LED lighting effects. Through the programming software, you can switch between various lighting modes to suit your preference or environment. There is also an option to turn off the lighting (e.g., "Mode 0" in the software).



Figure 6.2: LED Lighting Effects. The image shows the macro keyboard connected to a laptop, with its keys illuminated by LED backlighting, demonstrating the customizable lighting feature.

7. Maintenance

- **Cleaning:** Use a soft, dry cloth to wipe the surface of the keyboard. For deeper cleaning, you may carefully remove keycaps using a keycap puller and clean around the switches with compressed air.
- **Switch/Keycap Replacement:** When replacing switches or keycaps, ensure the keyboard is disconnected from your computer. Use appropriate tools (keycap puller, switch puller) to avoid damaging the components.

8. Troubleshooting

Problem	Possible Cause	Solution

Problem	Possible Cause	Solution
Software download/installation issues	Antivirus software blocking download; browser security settings.	Ensure your antivirus is updated. Temporarily disable security software if necessary, but proceed with caution. Download only from the official link provided in this manual.
Keys become unresponsive after extended use	Temporary connection issue.	Disconnect and reconnect the USB cable. If the issue persists, try a different USB port or computer.
Anti-slip rubber rings detach easily	Improper attachment or wear.	Ensure the rubber rings are firmly attached to the screw areas on the bottom of the keyboard. If they are worn, replacements may be available from support.
Keyboard not recognized by computer	Loose connection; faulty cable/port; driver issue.	Check USB cable connection. Try a different USB port or cable. Restart your computer.

9. Specifications

Feature	Detail
Brand	BRIMFORD
Model Number	4CPCA
Color	Black
Item Weight	100 g
Connectivity	Wired USB-C
Key Type	Mechanical
Switch Type	Red (Linear)
Special Features	Programmable keys, Hot-swappable switches, LED lighting
Compatible Devices	PC, Laptop
Dimensions (L x W x H)	87 x 65 x 40 mm

10. Support

If you encounter any problems during the use of your BRIMFORD 4-Key + 1-Knob Programmable Macro Keyboard, please do not hesitate to contact us via email for assistance. Our support team is available to help you with any questions or issues.

Contact information is typically provided at the point of purchase or on the product packaging.

Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. Privacy details.

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question