**BRIMFORD Macro Keypad (12Key 2.4G)**

# BRIMFORD 12-Key 2.4G USB Mini Macro Mechanical Gaming Keyboard

Model: Macro Keypad (12Key 2.4G)

## 1. Introduction

The BRIMFORD 12-Key 2.4G USB Mini Macro Mechanical Gaming Keyboard is a versatile and programmable keypad designed to enhance productivity and gaming performance. It features 12 fully programmable keys and 3 programmable knobs, offering extensive customization for various applications, including office tasks, graphic design, and gaming. This manual provides detailed instructions for setting up, operating, maintaining, and troubleshooting your device.

### Key Features:

- 12 Fully Programmable Keys: Each key can be assigned custom functions, including standard keyboard inputs, web navigation, multimedia shortcuts, and more.
- 3 Programmable Knobs: Knobs support rotation (left/right) and press-down actions, configurable for volume control, scrolling, zoom, and other functions.
- Macro Functionality: Supports complex command sequences with up to 349 key commands and delayed actions.
- Multi-Mode Connectivity: Supports Bluetooth, 2.4G wireless, and USB-C wired connections.
- On-board Storage: Key configurations are saved directly to the device, allowing for use across different systems without re-programming.
- Customizable RGB Lighting: Features 7 color lights and 5 modes, with the option to turn off lighting.
- Hot-Swappable Switches: Allows for easy replacement of keycaps and switches (Outemu Red Switch included).

## 2. Package Contents

Verify that all items listed below are present in your package:

- 12-Key KeyPad x 1
- USB-C Cable x 1
- 2.4G Receiver x 1
- Anti-slip Mat x 1
- Instruction Manual x 1



Image: The BRIMFORD 12-Key Macro Keypad, showing the device itself, the included USB-C cable, and the 2.4G wireless receiver.

## 3. Setup

### 3.1 Connectivity Options

The keypad supports three connection modes:

- **USB-C Wired:** Connect the keypad directly to your computer using the provided USB-C cable. This mode is required for initial software configuration.
- **2.4G Wireless:** Insert the 2.4G receiver into a USB port on your computer. The keypad will automatically connect.
- **Bluetooth:** Pair the keypad with your Bluetooth-enabled device. Note that initial setup for Mac OS, iOS, and Android devices must be performed on a Windows system.




Image: A diagram illustrating the three connection modes: USB-C, 2.4G wireless, and Bluetooth 5.0, connecting the keypad to various devices like a desktop PC, laptop, and mobile phone.

## 3.2 Software Installation and Configuration

To customize the keypad's functions, you must use the dedicated software. This software is compatible with Windows operating systems.

1. Download the software from the official support page:https://sikaicase.com/blogs/support/setting-for-software
2. Connect the keypad to your Windows computer using the USB-C cable.
3. Unzip the downloaded software file and run the executable.
4. Within the software interface, you can assign functions to each of the 12 keys and 3 knobs.
5. After configuring, click "Download" or "Apply" within the software to save the settings to the keypad's on-board memory.




Image: A visual guide showing the software download process, unzipping the file, and accessing the program for the mini keyboard.



Image: A screenshot of the keypad's software interface, displaying key setting areas, knob settings, and a comprehensive list of assignable key functions.



Image: A visual representation of the three steps for configuring the keypad: connecting via USB-C, entering hotkeys or passwords, and clicking "Download" to save settings.

***Important Note:*** *If your antivirus software flags the download, it is a routine detection of external software. The provided software is safe and will not harm your computer. Proceed with caution if you have concerns.*

## 3.3 Initial Overview




Image: The BRIMFORD 12-Key 3-Knob Keyboard, highlighting its BT Function, RGB Light, Red Axis switches, 2.4G connectivity, and ability to store macros up to 18 characters.

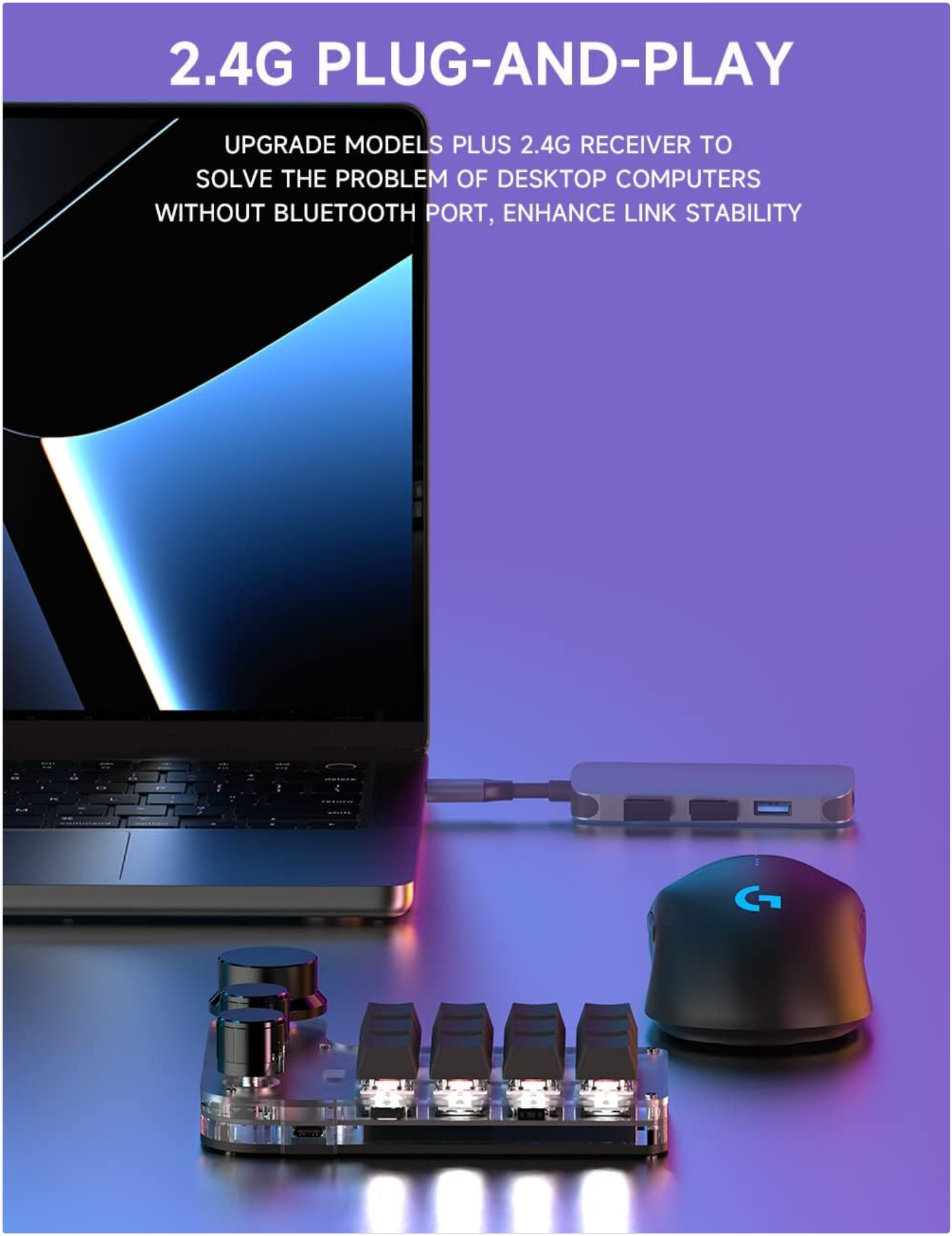



Image: The BRIMFORD Macro Keypad connected to a laptop via its 2.4G receiver, demonstrating its plug-and-play functionality for desktop computers without Bluetooth ports.

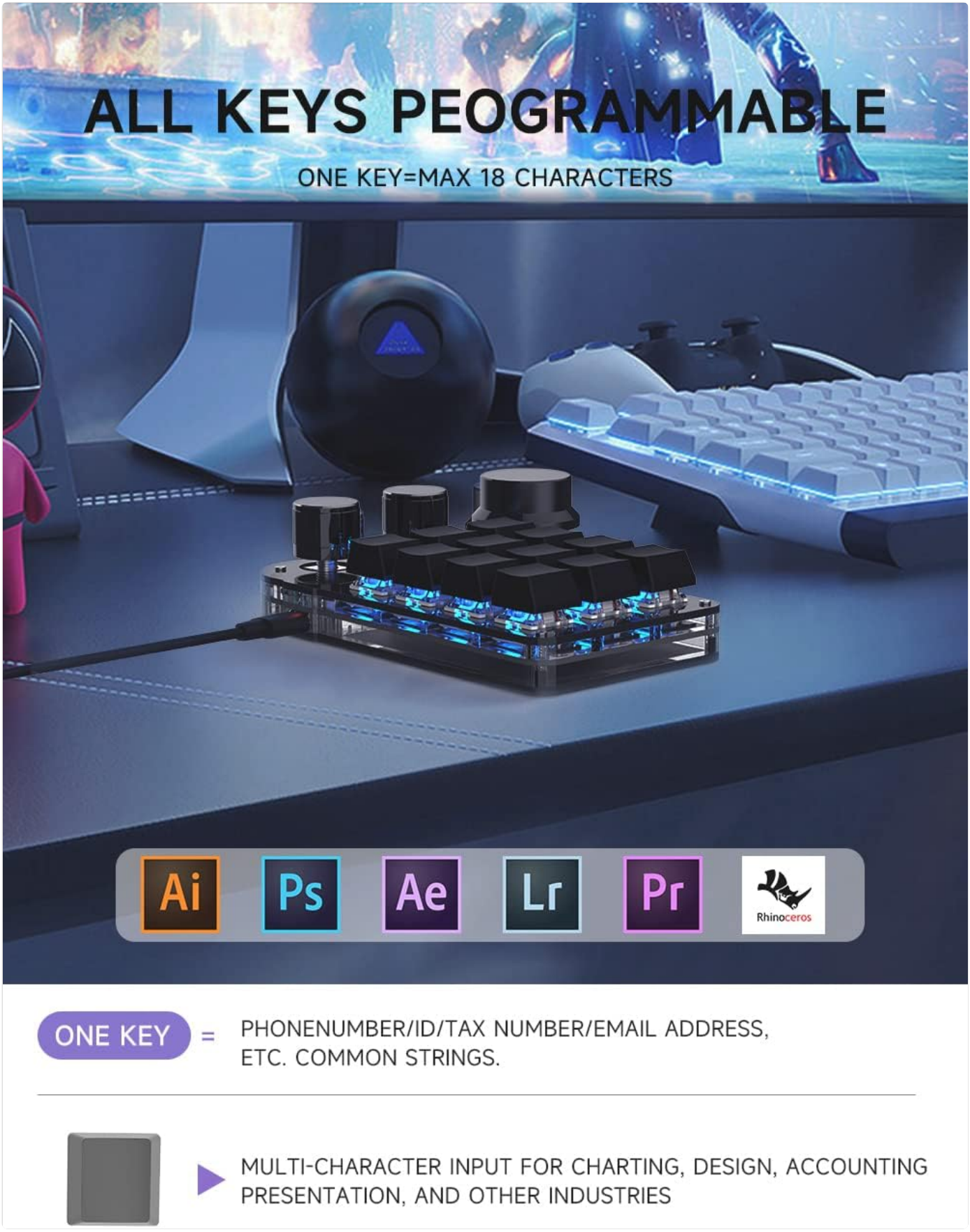



Image: The BRIMFORD Macro Keypad with its keys illuminated, demonstrating its full programmability for various applications like Adobe Illustrator, Photoshop, After Effects, Lightroom, Premiere, and Rhinoceros.

Your browser does not support the video tag.

Video: An overview of the BRIMFORD One-Handed Macro Mechanical Keyboard, demonstrating its unboxing, various color options, and key customization capabilities.

## 4. Operating Instructions

### 4.1 Key and Knob Programming

Each of the 12 keys and 3 knobs can be programmed to perform specific actions. This includes single key presses, combinations (e.g., Ctrl+C), multimedia controls, and complex macros.

- **Keys:** Can be set to emulate any standard 104-key keyboard button, web navigation, or system functions like Scroll Lock or PrtSc.
- **Knobs:** Can be configured for actions such as volume adjustment (VOLUME+/-, MUTE), track navigation (PREVIOUS/NEXT), increasing/decreasing values, or page turning. Knobs also support stepless rotation and press-down actions.
- **Macros:** Create sequences of commands (up to 349 key commands) with optional delays. This is useful for complex shortcuts in software like CAD, Adobe Creative Suite (Ae, Pr, Ps), or for entering frequently used text strings (e.g., passwords, email addresses).




Image: A diagram illustrating various functions of the multi-mode mechanical keypad, including custom multimedia control, one-click game

actions, one-key password entry, and copy-paste operations.



Image: A close-up of the multi-functional knob, explaining that rotating and pressing it can change volume levels, brush sizes, switch modes, input withdrawal, or mouse wheel mode.

## 4.2 Layer Switching

The keypad supports multiple layers of customization, allowing you to switch between different sets of programmed functions for various use cases (e.g., one layer for gaming, another for office work). The layer switching button allows for quick transitions between these configurations, significantly improving workflow efficiency.

## 4.3 RGB Lighting Customization

The keypad features customizable RGB backlighting. You can select from 7 different colors and 5 lighting modes using the software. The lighting can also be turned off if desired.




Image: The BRIMFORD Macro Keypad displaying its customizable RGB lighting, with indicators for 7 color options and 5 modes, and the ability to turn lights off.

### 4.4 Hot-Swappable Switches

The keypad is designed with hot-swappable Outemu Red Switches, allowing you to easily replace keycaps and switches without soldering. This feature enables personalization and maintenance of the keyboard.

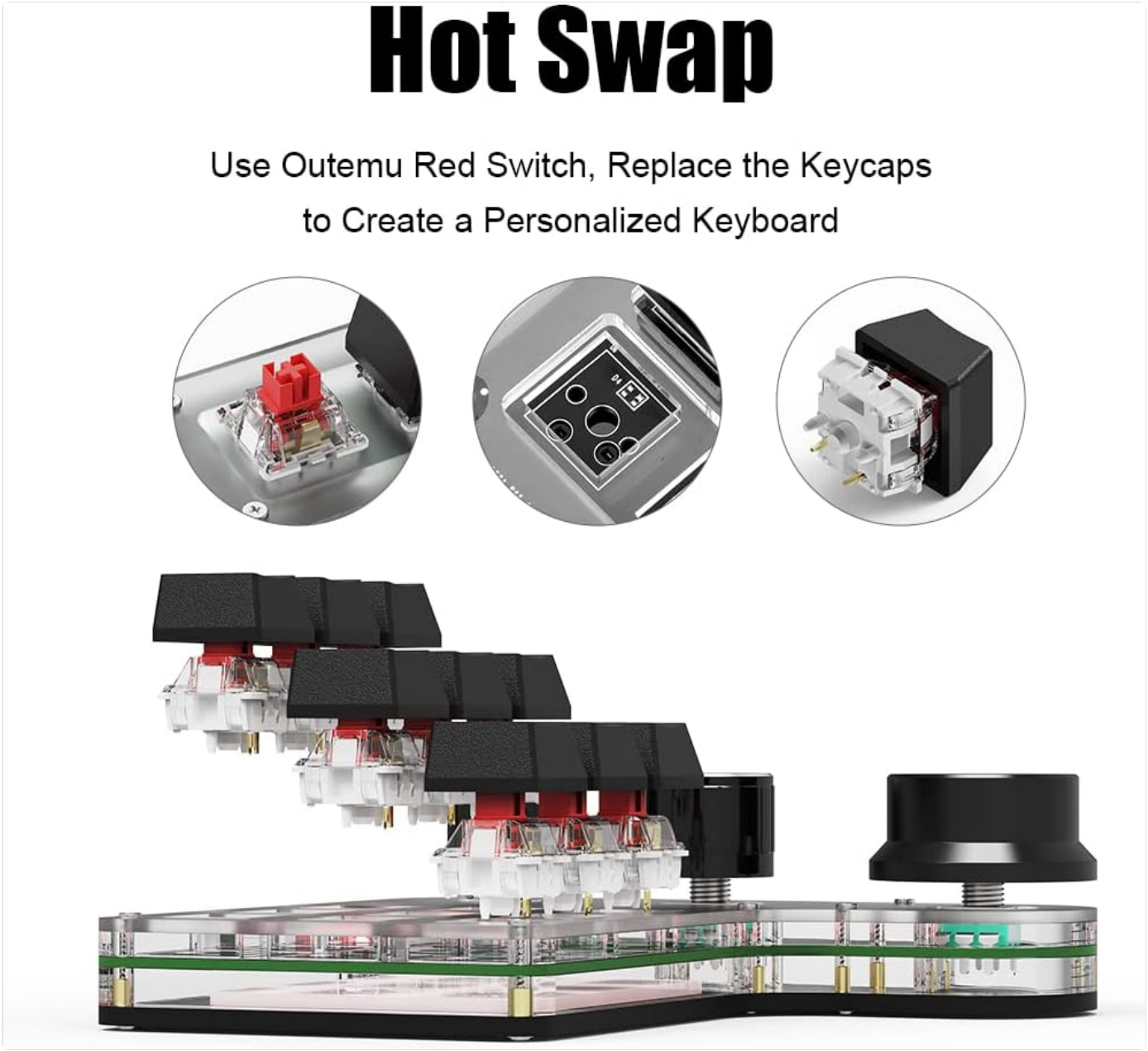



Image: A diagram illustrating the hot-swap feature, showing how Outemu Red Switches can be easily removed and replaced to customize the keypad.

## 5. Maintenance

### 5.1 Cleaning

To maintain the performance and appearance of your keypad:

- Use a soft, dry cloth to wipe the surface of the keypad.
- For stubborn dirt, slightly dampen the cloth with water or a mild cleaning solution. Avoid excessive moisture.
- Use compressed air to remove dust and debris from between the keys.
- Do not use harsh chemicals or abrasive materials, as they may damage the finish.

### 5.2 Keycap and Switch Replacement

Thanks to the hot-swappable design, keycaps and switches can be replaced easily:

- Gently pull keycaps straight up to remove them.
- Use a switch puller tool (not included) to carefully remove the switches.

- Align new switches with the sockets and press firmly until they click into place.
- Press new keycaps onto the switches.

## 6. Troubleshooting

### 6.1 Connection Issues

| Problem | Possible Cause | Solution |
|---|---|---|
| Keypad not responding (Wired) | Loose USB-C cable connection. | Ensure the USB-C cable is securely connected to both the keypad and the computer. Try a different USB port. |
| Keypad not responding (2.4G Wireless) | 2.4G receiver not properly inserted or interference. | Ensure the 2.4G receiver is fully inserted into a USB port. Move the keypad closer to the receiver. Avoid sources of strong wireless interference. |
| Keypad not responding (Bluetooth) | Not paired, out of range, or low battery. | Ensure Bluetooth is enabled on your device and the keypad is in pairing mode. Re-pair the device if necessary. Charge the keypad if the battery is low. |

### 6.2 Software and Programming Issues

| Problem | Possible Cause | Solution |
|---|---|---|
| Keys not performing programmed functions | Settings not saved to keypad; incorrect programming. | After making changes in the software, ensure you click the "Download" or "Apply" button to save settings to the keypad. Double-check your programmed functions for accuracy. |
| Software not launching or crashing | Corrupted download; antivirus interference; system incompatibility. | Re-download the software from the official link. Temporarily disable antivirus during installation if necessary. Ensure you are running Windows OS for configuration. |
| Knobs not programmable | Software bug or incorrect setting. | Ensure you are using the latest version of the software. Refer to the software interface for specific knob programming options. If issues persist, contact support. |

## 7. Specifications

| Feature | Detail |
|---|---|
| Brand | BRIMFORD |
| Model Number | Macro Keypad (12Key 2.4G) |
| Connectivity Technology | Bluetooth, 2.4G, USB-C |
| Number of Keys | 12 |
| Knobs | 3 |
| Keyboard Backlighting | RGB (7 colors, 5 modes) |

| Feature | Detail |
|---|---|
| Special Features | Backlit, Hotkeys and Media Keys, Programmable Keys, Rechargeable, Hot-Swappable |
| Compatible Devices | Laptop, PC, Tablet |
| Item Weight | 10.8 ounces |
| Package Dimensions | 6.5 x 5 x 1.85 inches |
| Batteries | 1 Lithium Ion battery (included) |
| Country of Origin | China |
| Date First Available | April 20, 2023 |

## 8. Warranty and Support

### 8.1 Warranty Information

BRIMFORD products are manufactured to high quality standards. For specific warranty terms and conditions, please refer to the documentation included with your purchase or contact BRIMFORD customer support.

### 8.2 Customer Support

For technical assistance, software downloads, or any inquiries regarding your BRIMFORD Macro Keypad, please visit the official support page:

**BRIMFORD Software Support Page**

This page provides access to the latest software, drivers, and troubleshooting guides.

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**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**