BRIMFORD mg-usb-34

BRIMFORD 34-Key Mechanical Numeric Keypad User Manual

Model: mg-usb-34

1. Introduction

This BRIMFORD 34-key mechanical numeric keypad is designed for enhanced productivity and versatility. It includes essential numeric, directional, and function keys like parentheses and Delete. Its robust mechanical switches provide a satisfying and durable typing experience, suitable for various applications including professional work, entertainment, and gaming. The keypad supports advanced customization through VIA software, allowing users to remap keys and create macros to suit their specific needs.



Image: The BRIMFORD 34-Key Mechanical Numeric Keypad highlighting its key features such as 34 keys, VIA compatibility, mechanical switches, RGB backlight, PBT keycaps, sound optimization, anti-ghosting, and Type-C wired connection.

2. Setup Instructions

2.1 Connecting the Keypad

Connect the keypad to your computer using the provided Type-C USB cable. The keypad is plug-and-play for basic functionality on Windows (XP and above) and Mac OS systems.



Image: A close-up view of the Type-C port on the BRIMFORD numeric keypad, showing the wired connection.

2.2 Initial VIA Software Setup (for Japanese Layout)

This keypad is based on an English keyboard layout. For optimal use with a Japanese keyboard layout, particularly for the '(', ')', and '=' keys, pre-setting with VIA software is required. Follow these steps:

1. Connect the keypad to your PC via the wired connection.
2. Access the VIA configuration tool at https://usevia.app/.
3. On the VIA interface, click the dark 'A' character in the upper right corner and select 'Japanese' for the language.
4. Click the round 'Macro' button on the far left.
5. Select your desired button in the middle-right section, then click 'Full Screen' in the center to enter the full-screen setting interface.
6. Click 'Record Key Input'. For the '=' key, input 'Shift' + '-'. Click 'Stop Recording' and then 'SAVE CHANGES'.
7. Repeat the process for the '(' key by inputting 'Shift' + '8', and for the ')' key by inputting 'Shift' + '9'.
8. Click the keymap button on the left. In the list that appears on the right, select the 'Macro' option you just created.
9. Bind the selected macro to the corresponding physical key position on the keypad layout displayed at the top. For example, bind the macro for '=' to the physical '=' key, '(' to the physical '(' key, and ')' to the physical ')' key.

For detailed VIA setup instructions, refer to the guide available at:Google Drive VIA Setup Guide.



Image: A screenshot of the VIA software interface, demonstrating the key remapping and macro customization options for the numeric keypad.

3. Operating Instructions

3.1 Basic Key Functions

The keypad features 34 keys, including a full numeric block, directional arrow keys, and a Delete key, providing comprehensive functionality for data entry and navigation.

3.2 RGB Backlight Control

The keypad is equipped with customizable RGB backlighting. Use the following key combinations to adjust the lighting effects:

- **Mo + Insert:** Light Switch (Toggle On/Off)
- **Mo + Home:** Light Color Forward

- **Mo + End:** Light Color Backward
- **Mo + PgUp:** Light Mode Forward
- **Mo + PgDn:** Light Mode Backward
- **Mo + ↑:** Light Brightness Up
- **Mo + ↓:** Light Brightness Down
- **Mo + ←:** Light Speed Down
- **Mo + →:** Light Speed Up
- **Mo + Enter:** Reset to Initial Settings



Image: The BRIMFORD numeric keypad illuminated with vibrant RGB backlighting, showcasing various color modes.

3.3 Customization with VIA Software

The keypad is fully compatible with VIA software, allowing for extensive customization of key functions and macros. This includes remapping individual keys, creating complex macro sequences, and adjusting lighting effects beyond the onboard controls. Access VIA at https://usevia.app/.



Image: The BRIMFORD numeric keypad with an overlay indicating customizable functions, hot-swap capability, Type-C connection, and RGB backlight.

3.4 Switch Types and Feel

This series offers various mechanical switch types to suit different preferences. The current model features Brown switches, known for their tactile feedback without a loud click, making them popular for both typing and gaming. Other available switch types include Red (linear, quiet), Yellow (linear, slightly heavier than red), and White (clicky, similar to blue switches).



Image: Close-up of various mechanical switch types (Red, Yellow, Brown, White) and individual keycaps, illustrating the hot-swappable design.

4. Maintenance

4.1 Keycap Durability

The keypad uses PBT keycaps with dye-sublimation printing. This technology ensures that the key legends will not fade or wear off even after prolonged use, maintaining a clean appearance without becoming shiny.



Image: A close-up of the BRIMFORD numeric keypad, highlighting the PBT dye-sublimated keycaps and their durable legends.

4.2 Hot-Swappable Switches

The keypad features hot-swappable switch sockets, allowing you to easily replace individual switches without soldering. This enables customization of typing feel and simplifies maintenance if a switch needs replacement. It supports both 3-pin and 5-pin mechanical switches.



Image: A keycap being removed from the BRIMFORD numeric keypad using a keycap puller, demonstrating the hot-swappable switch feature.

5. Troubleshooting

5.1 Key Input Discrepancies (Japanese Layout)

If you experience issues with the '(', ')', or '=' keys not functioning as expected with a Japanese keyboard layout, refer to the "Initial VIA Software Setup (for Japanese Layout)" section (2.2) to remap these keys using VIA software. This is due to differences between English and Japanese keyboard layouts.

5.2 Calculator Button Functionality

The dedicated calculator button located on the upper right of the keypad is designed for quick launch of the Windows calculator application. Please note that this button functions exclusively on the Windows desktop and may not launch the calculator from within other running programs or operating systems.

6. Specifications

Brand	BRIMFORD
Model Number	mg-usb-34
Key Count	34 keys
Switch Type	Mechanical (Gateron Brown)
Keycap Material	PBT (Dye-sublimation printed)
Backlight	RGB (Customizable)
Connection Type	USB-C Wired
Compatible Devices	Notebooks, PCs
Compatible OS	Windows (XP and above), Mac OS

Dimensions (L x W x H)	14.9 cm x 13.4 cm x 4 cm
Durability	Approx. 50 million keystrokes
Features	Programmable keys, Hot-swappable, Customizable backlight, Tactile keystroke



Image: The BRIMFORD numeric keypad with its dimensions (14.9cm length, 13.4cm width, 4cm height) clearly indicated.

7. Warranty and Support

7.1 Warranty Information

This product comes with a 3-month warranty from the date of purchase. Please retain your proof of purchase for warranty claims.

7.2 Customer Support

For any questions, technical assistance, or support regarding your BRIMFORD 34-Key Mechanical Numeric Keypad, please contact BRIMFORD-JP customer service. We are committed to providing prompt and helpful support.

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.

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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