



Keychron V2 QMK Custom Mechanical Keyboard User Manual

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Keychron V2 QMK Custom Mechanical Keyboard



Product Information

Specifications

- **Model:** XYZ123
- **Color:** Black
- **Material:** Plastic
- **Dimensions:** 10 x 5 x 3 inches
- **Weight:** 1 pound
- **Power Source:** 2 AAA batteries (not included)

Product Usage Instructions

Unpacking and Setup

When you receive your product, carefully remove it from the packaging and ensure that all the components are included. The package should contain the following items:

- XYZ123 device
- User manual

Before using the product, please read the user manual thoroughly for safety precautions and proper usage instructions.

Battery Installation

The XYZ123 device requires 2 AAA batteries to operate. To install the batteries, follow these steps:

1. Locate the battery compartment on the back of the device.
2. Slide the battery compartment cover open.
3. Insert the batteries according to the polarity markings (+/-) indicated inside the compartment.
4. Close the battery compartment cover securely.

Ensure that you use fresh batteries and that they are inserted correctly to avoid any malfunctions or damage to the device.

Basic Functionality

The XYZ123 device is equipped with several basic functions:

- **Power Button:** Press this button to turn the device on or off.
- **Mode Selection:** Use the mode selection button to switch between different modes or settings.
- **Adjustment Knob:** Rotate the adjustment knob to increase or decrease the intensity, volume, or other customizable settings.
- **Display Screen:** The device features a clear display screen that shows relevant information and settings.

Operating Instructions

To operate the XYZ123 device, follow these steps:

1. Ensure that the batteries are correctly installed and the device is turned on.
2. Select the desired mode or setting using the mode selection button.
3. Use the adjustment knob to customize the specific settings for the selected mode.
4. Refer to the user manual for detailed instructions on each mode and setting.

Always follow the recommended usage guidelines and safety precautions mentioned in the user manual.

Frequently Asked Questions (FAQ)

What should I do if the device does not turn on?

If the device does not turn on, check the battery installation and ensure that fresh batteries are used. If the problem persists, contact our customer support for further assistance.

How do I clean the device?

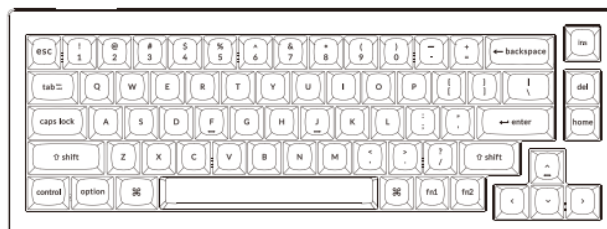
To clean the XYZ123 device, use a soft, dry cloth to wipe the surface. Avoid using any liquid or abrasive cleaners as they may damage the device.

Can I use rechargeable batteries with this device?

Yes, you can use rechargeable AAA batteries with the XYZ123 device. Ensure that the batteries are fully charged before installation.

Fully Assembled Version

Keyboard



- 1x Fully Assembled Keyboard

Including

- 1x Case

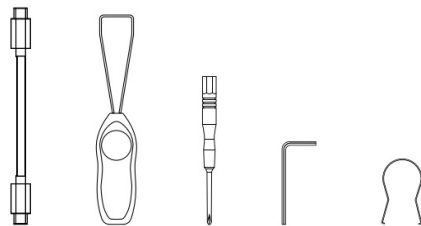
- 1x PCB
- 1x Steel Plate
- 1x Sound Absorbing Foam
- 1x Silicone Bottom Pad
- 4 Sets x Stabilizers
- 1 Set x Keycaps (PBT Double-shot}
- 1 Set x Switches

Cable

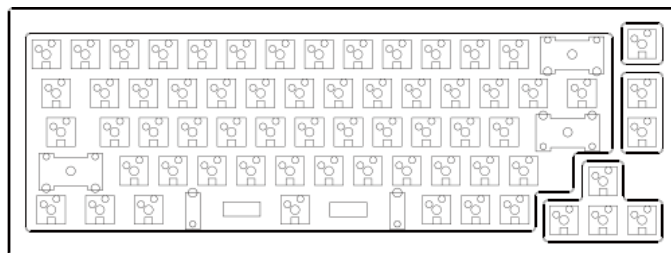
- 1x Type-C to Type-C Cable
- 1x Type-A to Type-C Adapter

Tools

- 1x Switch Puller
- 1x Keycap Puller
- 1x Screwdriver
- 1x Hex Key



Barebone Version



Keyboard Kit

- 1x Keyboard Kit (Without Keycaps & Switches) Including
- 1x Case
- 1xPCB
- 1x Steel Plate
- 1x Sound Absorbing Foam
- 1x Silicone Bottom Pad
- 4 Sets x Stabilizers

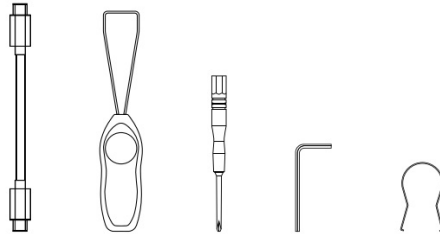
Cable

- 1x Type-C to Type-C Cable

- 1x Type-A to Type-C Adapter

Tools

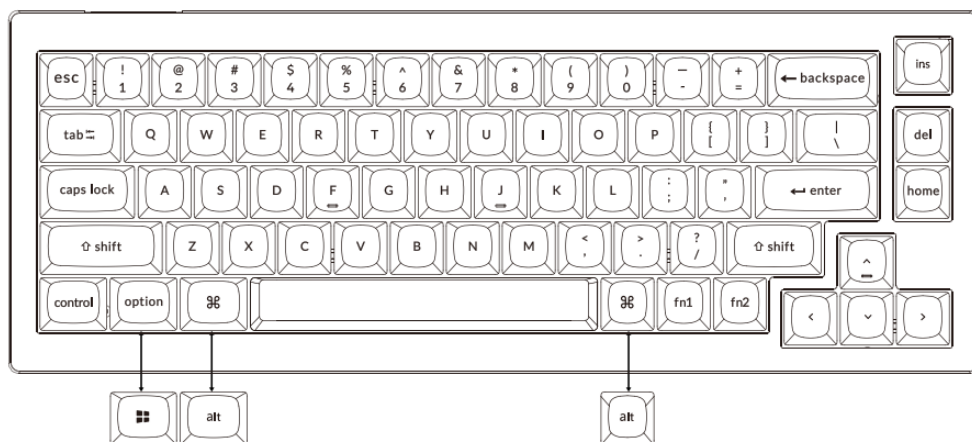
- 1x Switch Puller
- 1x Keycap Puller
- 1x Screwdriver
- 1x Hex Key



QUICK START GUIDE

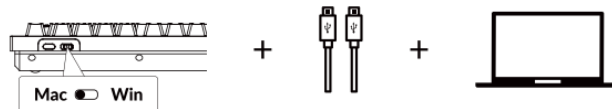
If you are a Windows user, please find the appropriate keycaps in the box, then follow the instructions below to find and replace the following keycaps.

Mac / Windows



Switch To The Right System

Please make sure the system toggle on the top left corner has been switched to the same system as your computer's operating system.



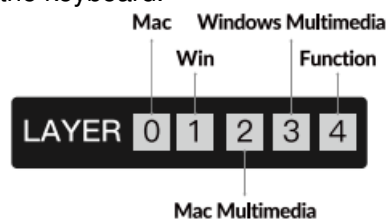
The VIA Key Remapping Software

Please visit caniusevia.com to download the latest VIA software to remap the keys. If the VIA software cannot recognize your keyboard, please reach out to our support to get the instructions.



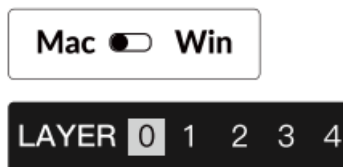
The Layers

There are five layers of key settings on the keyboard.

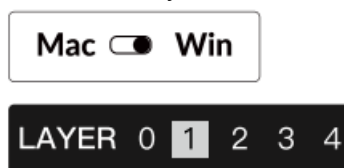


- The layer 0 is for the Mac system.
- Layer 1 is for the Windows system.
- Layer 2 is for the Mac Multimedia keys.
- Layer 3 is for the Windows Multimedia keys.
- Layer 4 is for the Function keys.

If your system toggle is switched to Mac, then the layer 0 will be activated.

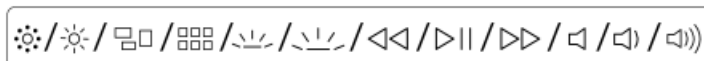


If your system toggle is switched to Windows, then the layer 1 will be activated.



Multimedia Key and Function Key

• Multimedia keys



In order to get Multimedia Key, you need to press fn1 and F1 / F2 / F3 / F4 / F5 / F6 / F7 / F8 / F9 / F10 / F11 / F12 Key.

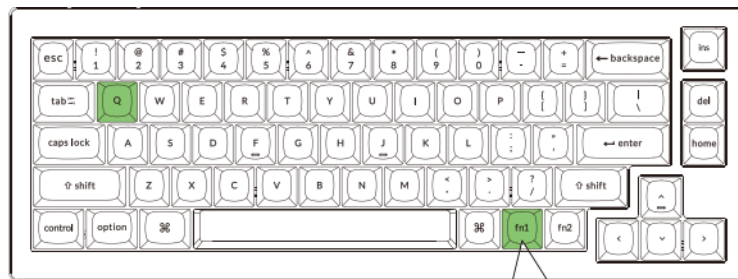
• Function keys

F1 / F2 / F3 / F4 / F5 / F6 / F7 / F8 / F9 / F10 / F11 / F12

In order to get Function Key, you need to press fn2 and F1 / F2 / F3 / F4 / F5 / F6 / F7 / F8 / F9 / F10 / F11 / F12 Key.

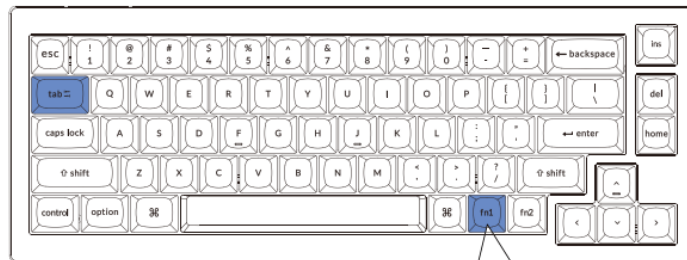
The Backlight

- Press fn1 + Q to change the lighting effect



fn1 + Q

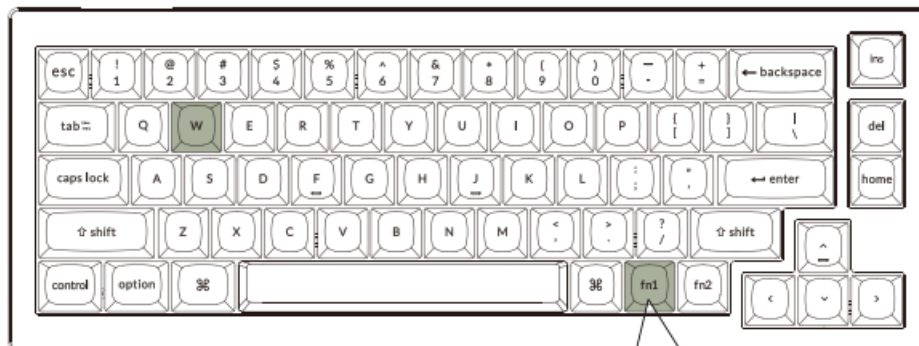
- Press fn1 + tab to turn the backlight on/off



fn1 + tab

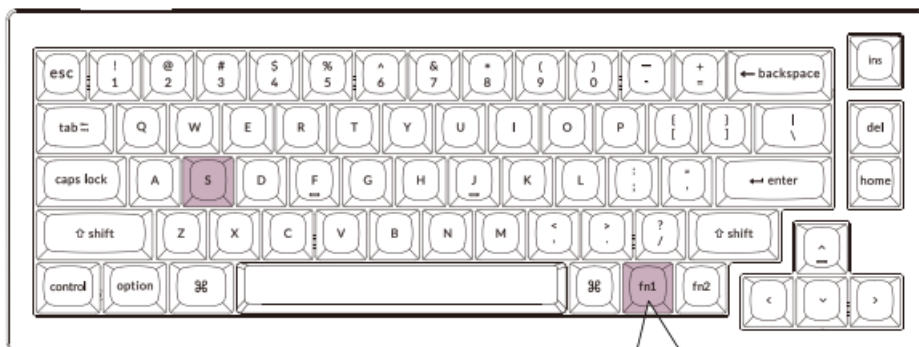
Adjust The Backlight Brightness

- Press fn1 + W to increase the backlight brightness



fn1 + W

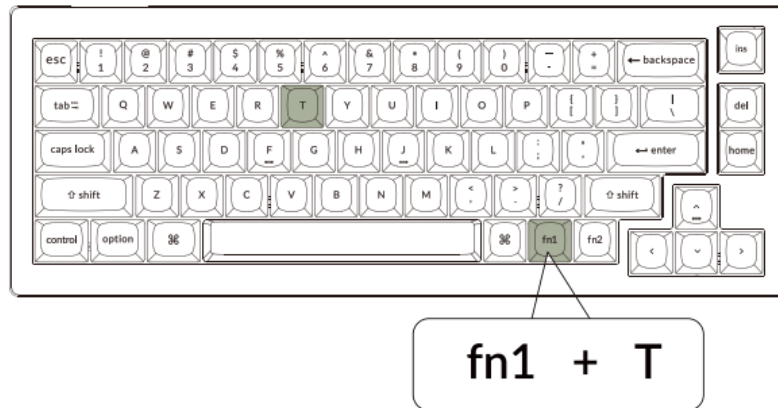
- Press fn1 + S to decrease the backlight brightness



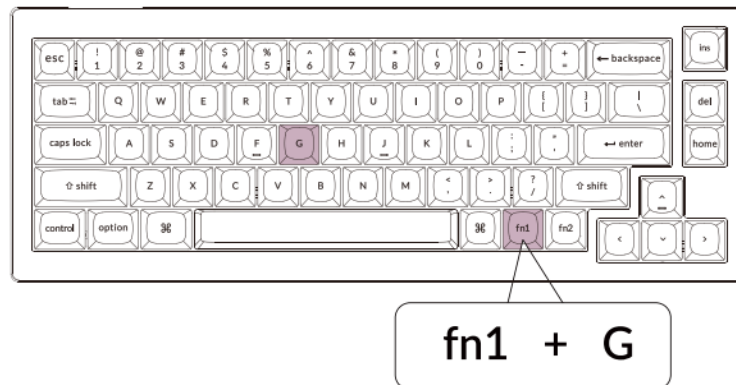
fn1 + S

Adjust The Backlight Speed

- Press fn1 + T to increase the light effect speed



- Press fn1 + G to decrease the light effect speed



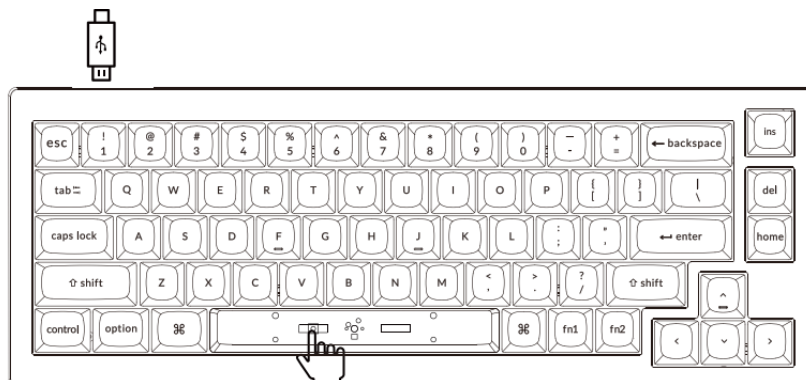
Warranty

The keyboard is highly customizable and easy to rebuild. If anything goes wrong with any of the keyboard components of keyboard during the warranty period, we will only replace the defective parts of the keyboard, not the whole keyboard.

Watch The Building Tutorial On Our Website

If you are building the keyboard for the first time, we highly recommend you watch the building tutorial video on our website first, then start building the keyboard yourself.

Factory Reset



Troubleshooting?

Don't know what's going on with the keyboard?

- Try factory reset by pressing fn1 + J + Z (for 4 seconds).
- Download the right firmware for your keyboard from our website.
- Remove the power cable from the keyboard.

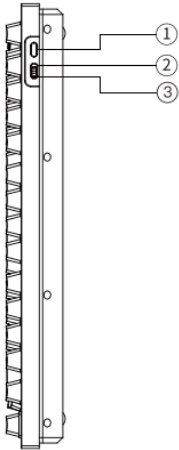
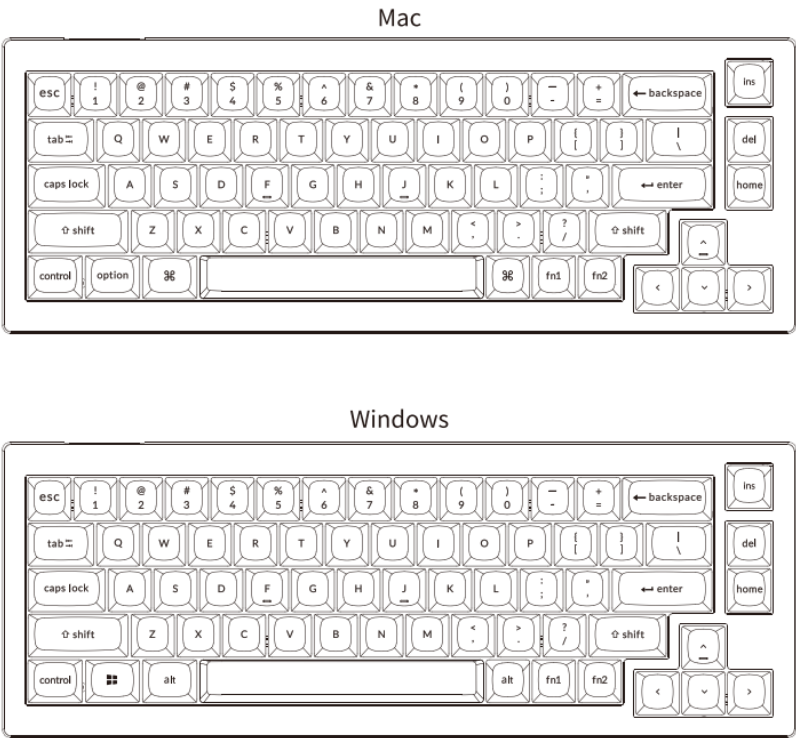
- Remove the space bar keycap to find the reset button on the PCB.
- Hold the reset key while plugging in the power cable and then release the reset key. The keyboard now will enter DFU mode.
- Flash the firmware with the QMK Toolbox.
- Factory reset the keyboard again by pressing fn1 + J + Z (for 4 seconds).
- Step by step guide can be found on our website.

V2 CUSTOMIZABLE KEYBOARD SPECIFICATIONS

Specifications

Specifications	
Layout	65%
Switch type	Mechanical
Width	123.25 mm
Length	329.9 mm
Front height	20.23 mm (without keycaps)
Back height	26.75 mm (without keycaps)
Front height	29.66 mm (with OSA keycaps installed)
Back height	37.54 mm (with OSA keycaps installed)
Keyboard feet height	2 mm
Angle	3.5 / 7.91 / 10.88 degree

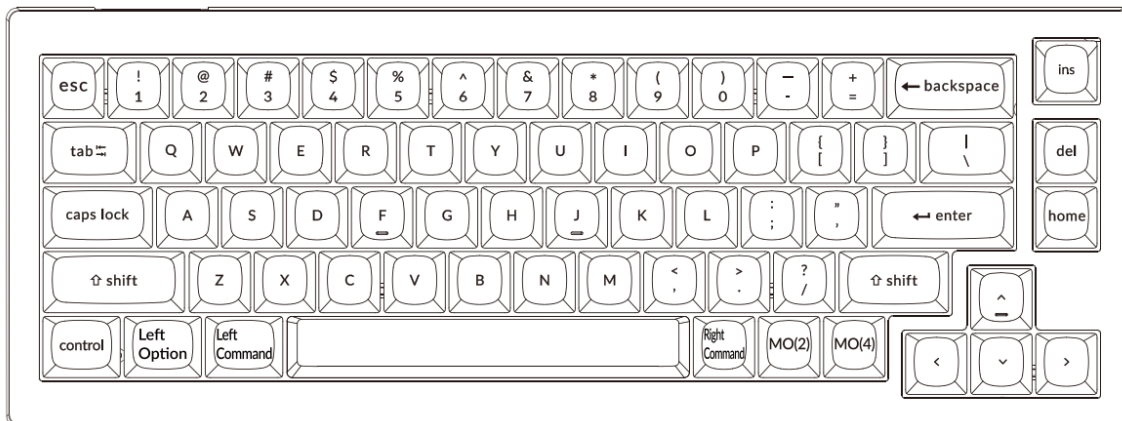
V2 MECHANICAL KEYBOARD OVERVIEW



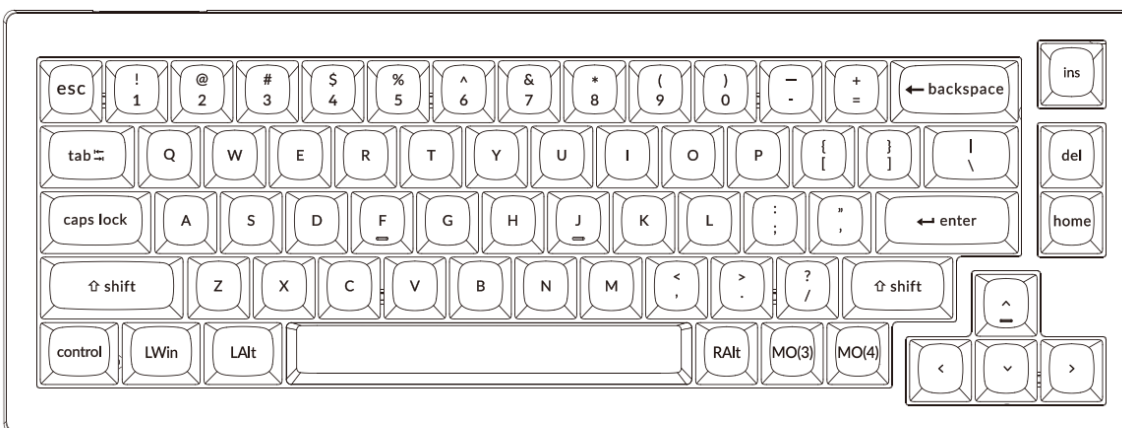
- ① Type-C Port
- ② Mac Layout
- ③ Windows Layout

DEFAULT KEY LAYOUT

- LAYER 0: This layer will be activated when your keyboard's system toggle is switched to Mac.

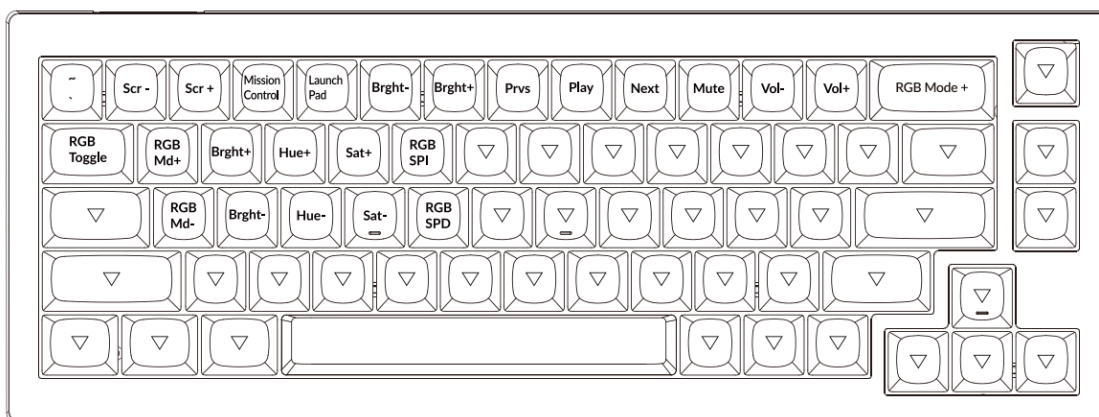


- LAYER 1: This layer will be activated when your keyboard's system toggle is switched to Windows.

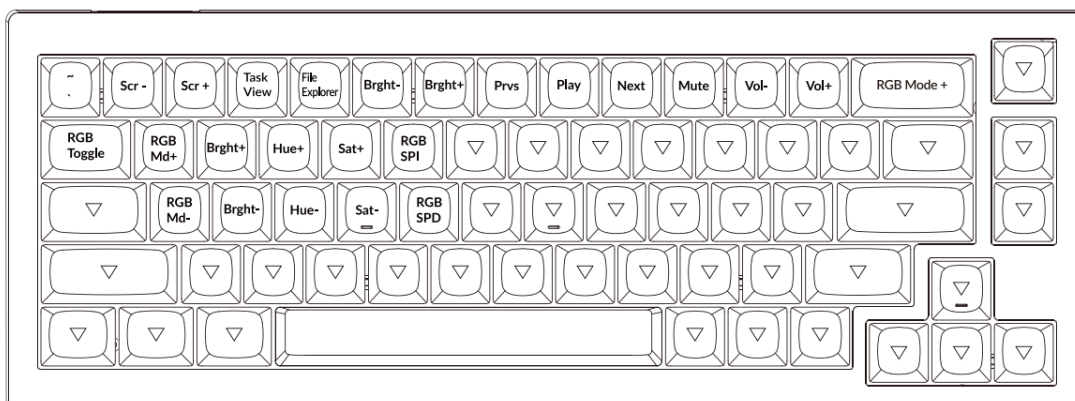


LAlt = Left Alt LWin = Left Windows RAlt = Right Alt

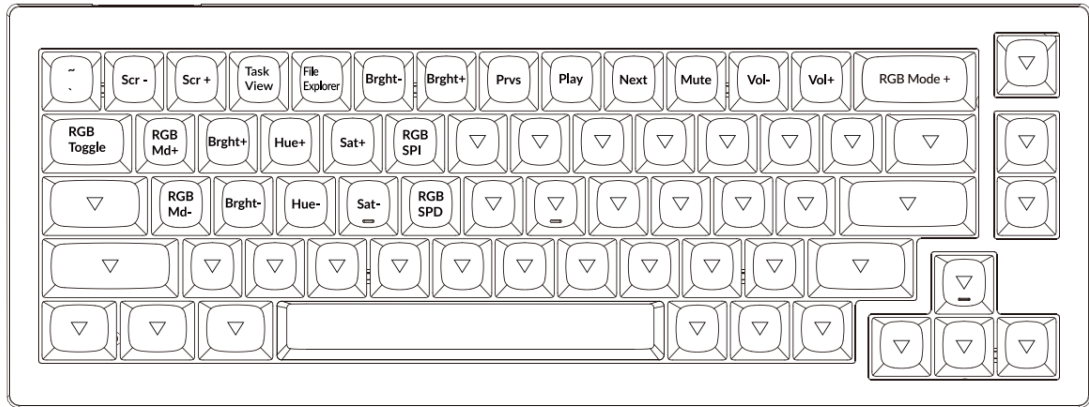
- LAYER 2: This layer will be activated when your keyboard's system toggle is switched to Mac and press the fn1/MO(2) key.



- LAYER 3: This layer will be activated when your keyboard's system toggle is switched to Windows and press the fn1/MO(3) key.



- **LAYER 4:** This layer will be activated when you press the fn2/M0(4) key.



KEY DESCRIPTION

Scr-	Screen Brightness Decrease
Scr+	Screen Brightness Increase
Bright-	Backlight Decrease
Bright+	Backlight Increase
Prvs	Previous
Play	Play/Pause
Next	Next
Mute	Mute
Vol-	Volume Decrease
Vol+	Volume Increase
RGB Toggle	Turn Backlight on/off
Scr-	Screen Brightness Decrease
Scr+	Screen Brightness Increase
Bright-	Backlight Decrease
Bright+	Backlight Increase
Prvs	Previous
Play	Play/Pause
Next	Next
Mute	Mute
Vol-	Volume Decrease
Vol+	Volume Increase
RGB Toggle	Turn Backlight on/off

Third-party input tools are not compatible with the keyboard. Due to compatibility, versions, brands and drivers of Windows/macOS, functionalities of third Party input tools may be affected while using the keyboard. Please make sure your operating system and drivers are up to date. Certain fn keys or multimedia keys does not work under Windows/ Android mode. Functionalities of certain multimedia keys may be disabled due to compatibility, versions, brands and drivers of Windows/Android OS.

Safety Precaution:

- Keep the product, accessories and packaging parts out of reach of children to prevent any accidents and choking hazards.
- Always keep the product dry to avoid corrosion.
- Do not expose the product to extreme temperatures below -10°C (5° F) or above 50°C (131 ° F) to preserve the lifespan of the keyboard.

Keychron, Inc. Dover, DE 19901, United States Find us at: <https://www.keychron.com>
Support@keychron.com

Designed by Keychron Made in China

V2 Keymap JSON file:

https://cdn.shopify.com/s/files/1/0059/0630/1017/files/V2_US_ANSI_Non-Knob_ver1.2.json.zip?v=1662437541

VIA Software for macOS:

<https://github.com/the-via/releases/releases/download/v1.3.1/via-1.3.1-mac.dmg>

VIA Software for Windows:

<https://github.com/the-via/releases/releases/download/v1.3.1/via-1.3.1-win.exe>

VIA Software for Linux:

<https://github.com/the-via/releases/releases/download/v1.3.1/via-1.3.1-linux.deb>


How to Use VIA on Your Keychron V Series Keyboard:

<https://www.keychron.com/blogs/archived/how-to-use-via-to-program-your-keyboard>

V2 Source Code:

https://github.com/Keychron/qmk_firmware/tree/playground/keyboards/keychron/v2

Documents / Resources

	<p>Keychron V2 QMK Custom Mechanical Keyboard [pdf] User Manual V2 QMK Custom Mechanical Keyboard, V2, QMK Custom Mechanical Keyboard, Custom Mechanical Keyboard, Mechanical Keyboard, Keyboard</p>
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References

- [🔗 qmk_firmware/keyboards/keychron/v2 at playground · Keychron/qmk_firmware · GitHub](#)
- [📄 How to use VIA to program your keyboard – Keychron | Wireless Mechanical Keyboards for Mac, Windows and Android](#)
- [User Manual](#)