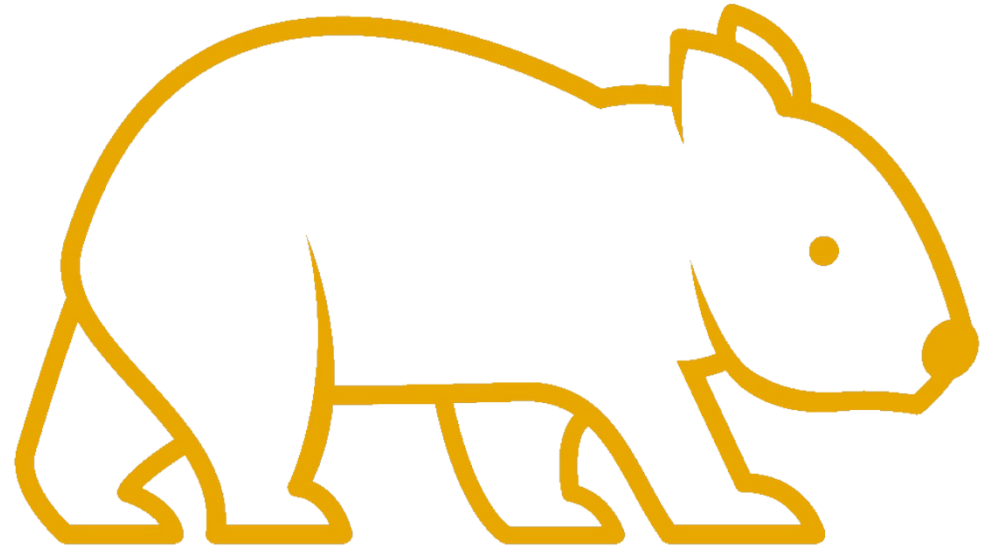


WILLOW

WF102i

User Manual v2.0



W O M B A T

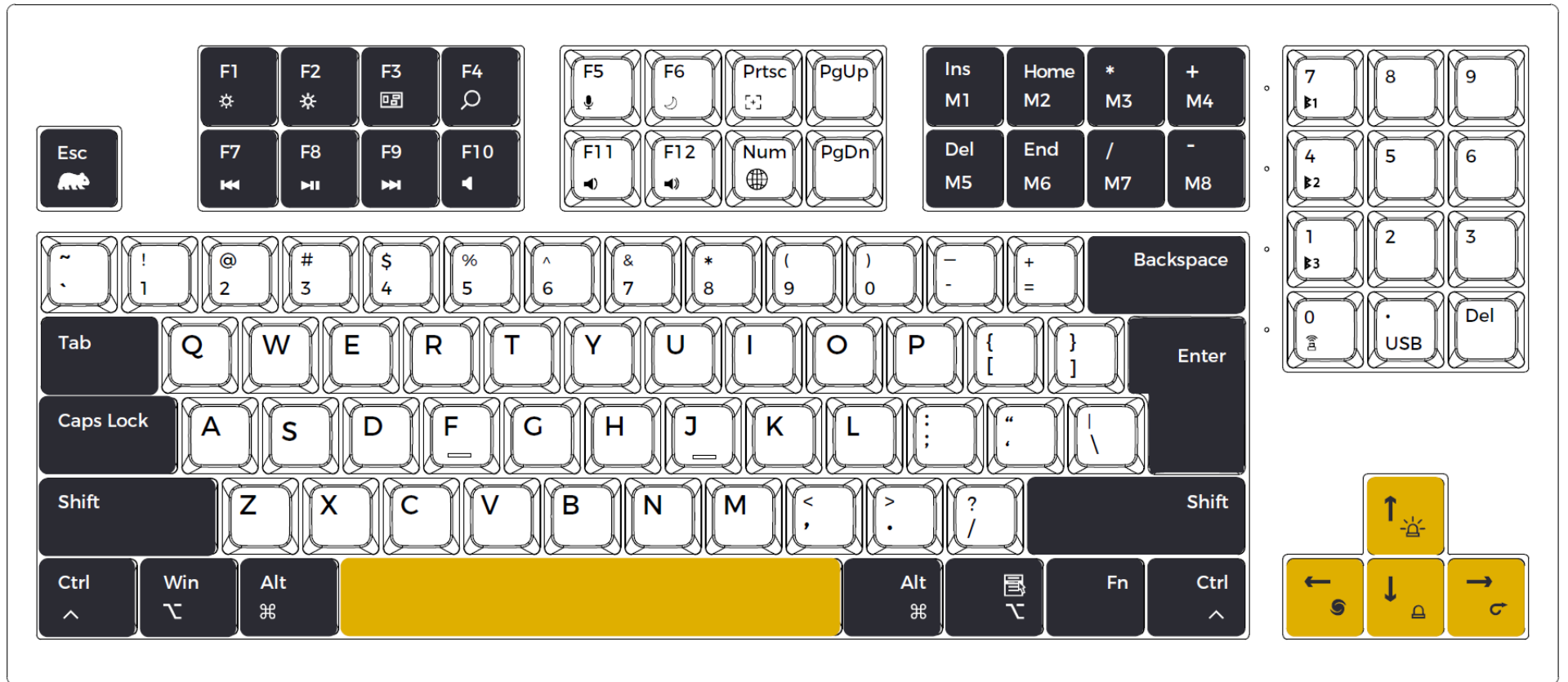
Thank You!

from Team Wombat

You've made an excellent choice in selecting a Wombat mechanical keyboard! We highly recommend that you download our optional, free Pouch software with pDrive for enhanced functionality of your keyboard, including important firmware updates as they become available > <https://wombatkeyboards.com/pages/download>

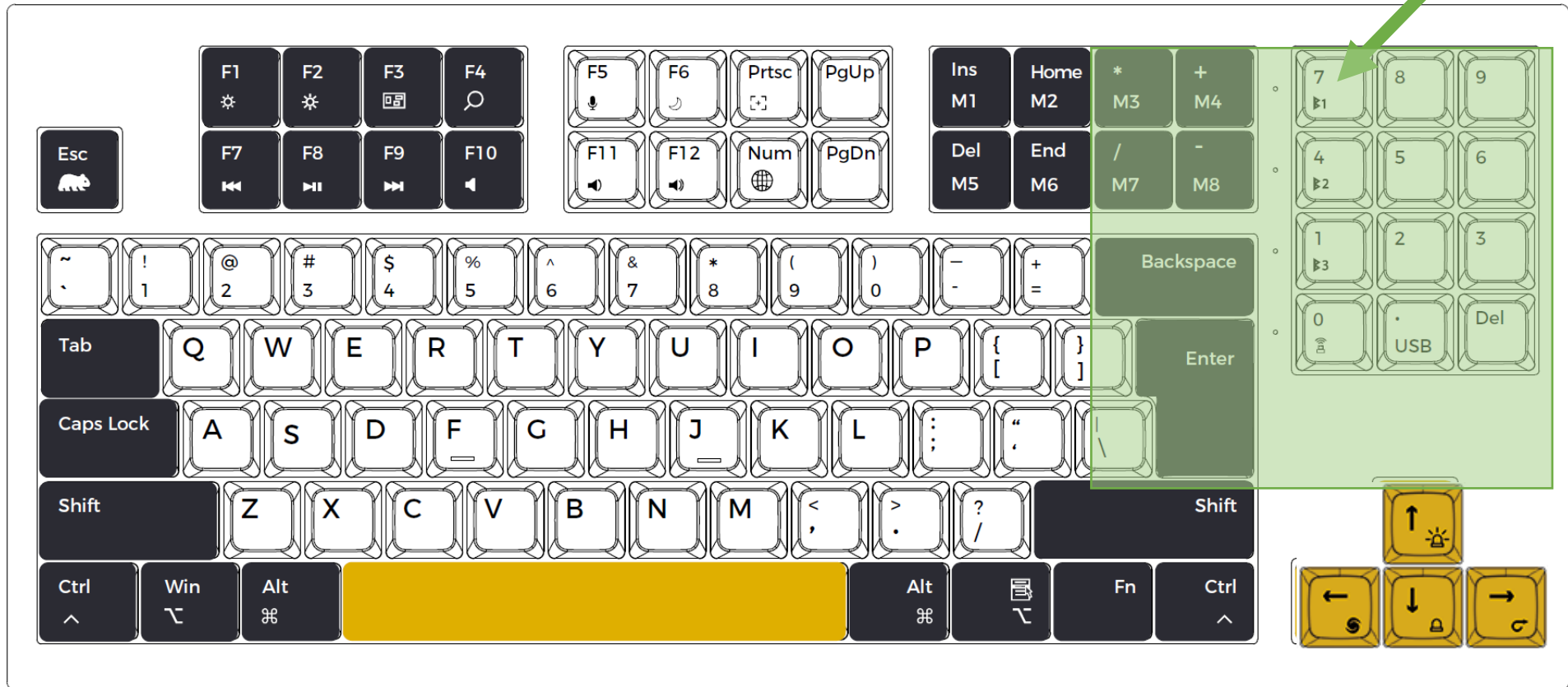
Need assistance? We're here to help! Connect with our support team directly at wombatkeyboards.com for chat support or reach out via email at **technicalsupport@wombatkeyboards.com** for more in-depth technical queries. Explore our website for resources tailored to your Wombat model, including how-to videos and step-by-step guides designed to help you make the most of your keyboard. We hope your Wombat mechanical keyboard enhances your productivity and enjoyment for many years to come !

Patented 102-Key US Special Layout



Numpad

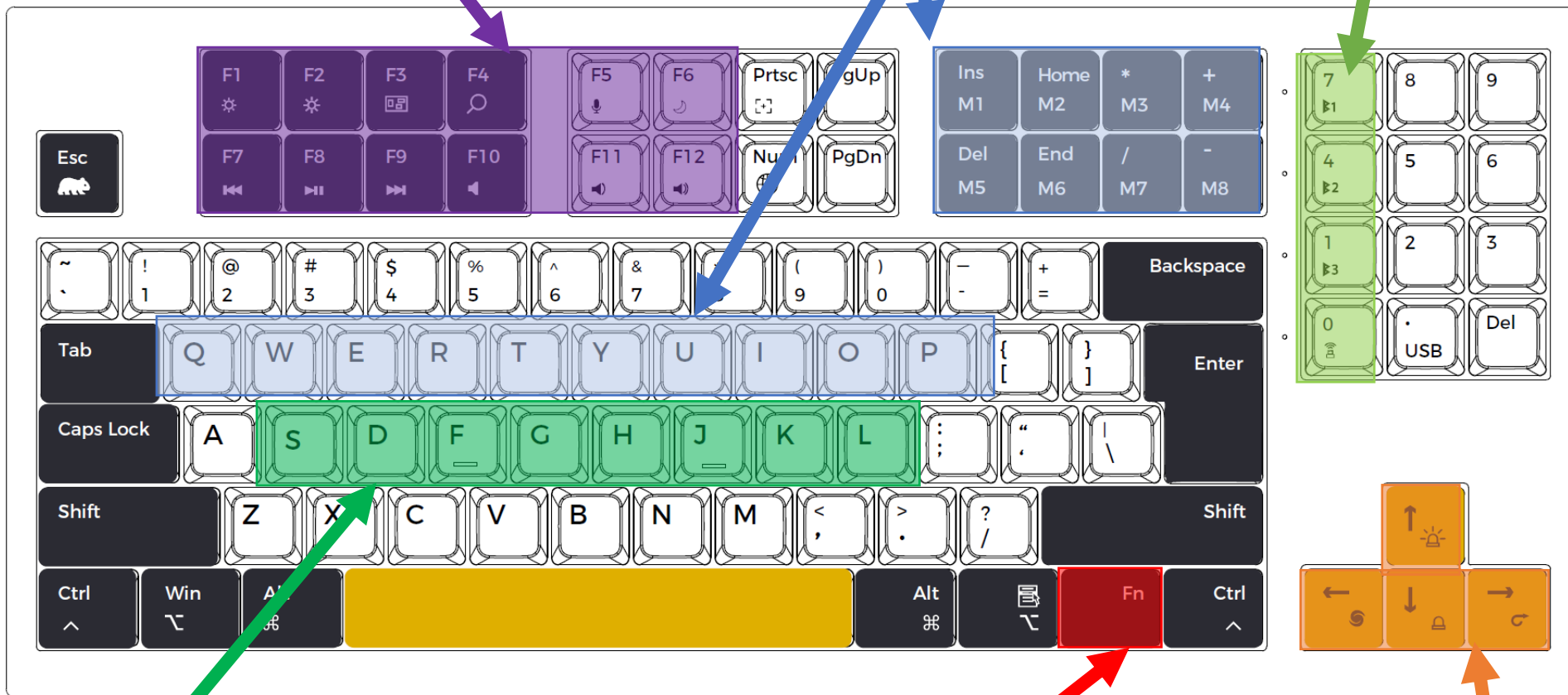
([numeric keys can be customized](#))



Fx function keys / MAC and Windows hot keys ([see page 12](#))

Macro editor ([see page 14](#))

Wireless connections ([see page 9](#))



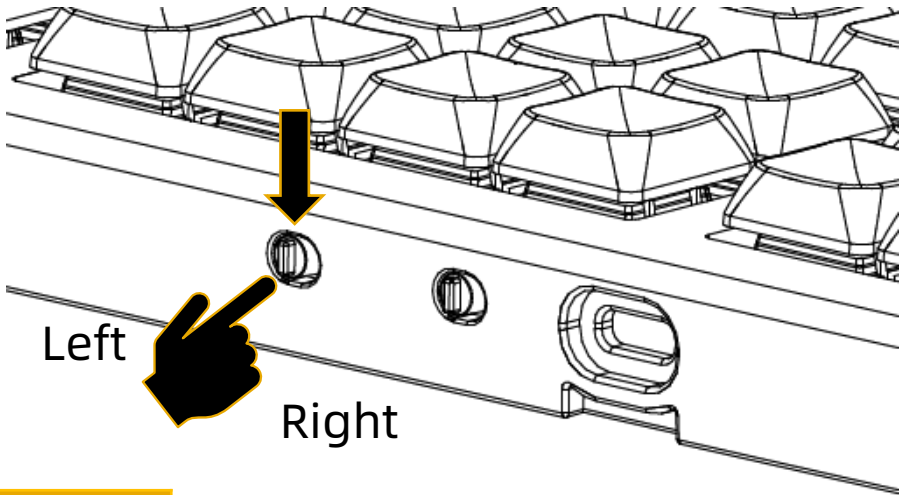
Backlit mode ([see page 19](#))

Fn key

RGB functions ([see page 8](#))

How to switch MAC / WINDOWS layout

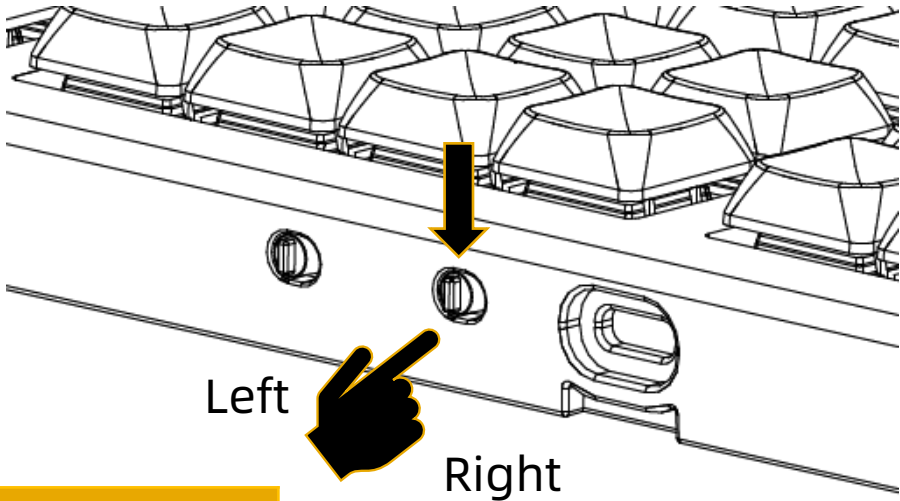
The left switch on the rear of the keyboard controls whether a user is in Mac mode or Windows mode.



Mode	Action	Indicator LED	Result
Wireless / Wired	Slide the rear switch to the right	No.1 LED and No.2 LED blink	Switch to Windows Layout
Wireless / Wired	Slide the rear switch to the left	No.2 LED and No.3 LED blink	Switch to macOS Layout





How to turn on and off wireless mode

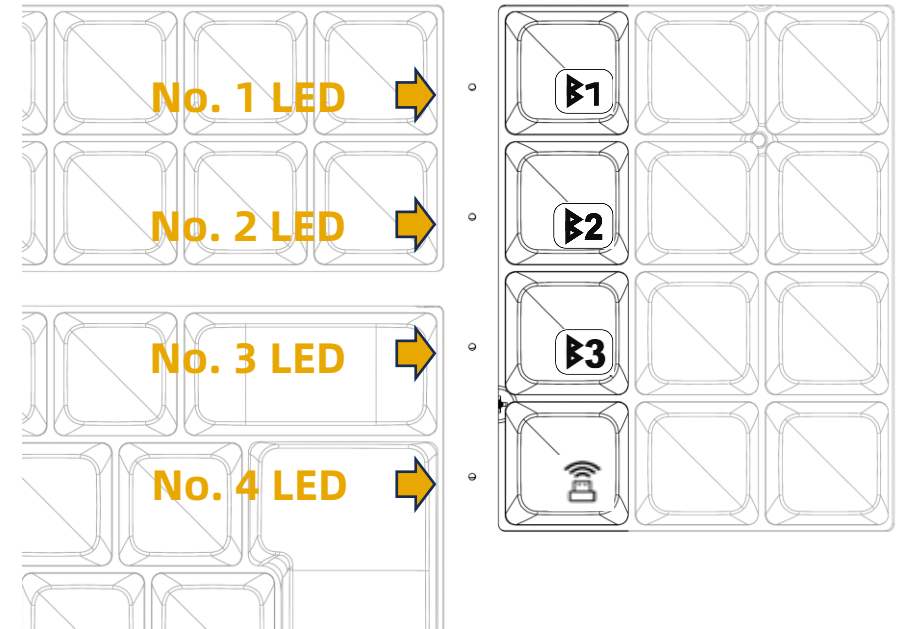
In addition to using a USB connection to power the keyboard, the keyboard can be also powered by the internal battery. Use the right hand switch on the rear of the keyboard to switch the internal battery power ON and OFF.



Mode	Action	Indicator LED	Result
Wireless	Slide the rear switch to the left	Blink once to show the current status of the keyboard	Powered by internal battery
Wireless	Slide the rear switch to the right	No indicator LED	Turn OFF the internal battery

How to read the indicator LED

Keys		LED	Definition
Fn +		No.1 LED: LED flashes White.	WF102i Bluetooth #1 activated
		No.2 LED LED flashes White.	WF102i Bluetooth #2 activated
		No.3 LED: LED flashes White.	WF102i Bluetooth #3 activated
		No.1&2&3 LED: LED flashes White..	RF 2.4GHz activated
Press Numlock		No.1 LED: White LED is ON.	Numpad lock
		No.1 LED is OFF.	M7-M18 activated
Press Capslock		No.2 LED: White LED is ON.	Capslock
Toggle the layout mode switch on rear of keyboard		No.1&2 for Windows, 2&3 LED for MAC <u>Pls refer to Page 4</u>	Either MAC/WINDOWS Is activated
Check charging status		No.4 LED : White LED is steady ON.	Indicates USB cable is connected to the computer. Keyboard is currently charging.
		No4LED is OFF.	Charging completed
		LED No. 1 and No. 3 blink alternately with LED No. 2.	Charging unsuccessful. The Power power switch on the rear side of the keyboard is not turned on.



How to check the power of the built-in rechargeable battery

Checking Charging status:

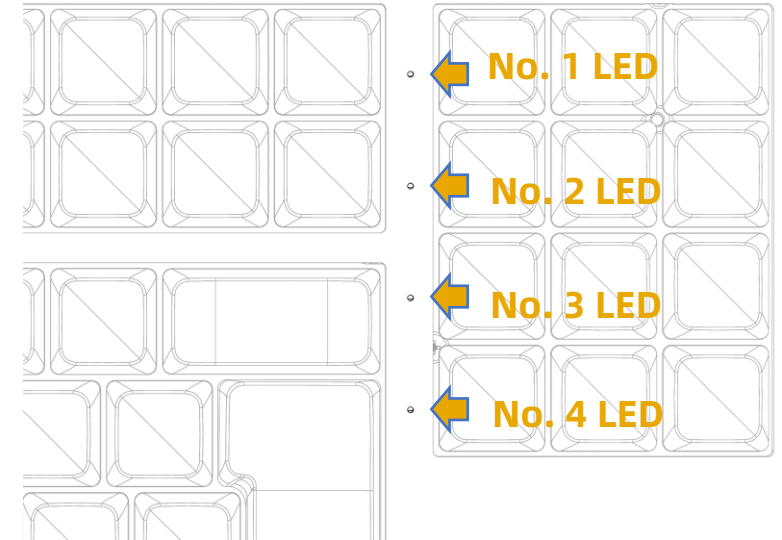
Check the battery and charging status of the keyboard by connecting the WF102i to your PC with a USB cable. While the keyboard is connected to a charger or a USB communication port on the PC with a USB cable, the No. 4 LED will express the charging status as follows:

- ◆ The keyboard is charging normally and is charging, and the No. 4 LED is steady on.
- ◆ The keyboard cannot be charged and the No. 4 LED blinks rapidly.
- ◆ When the keyboard is fully charged, the No. 4 LED changes from steady on to off.

Checking Battery level:

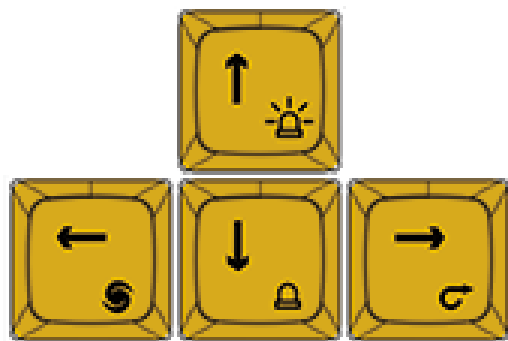
After connecting the USB cable, press Fn + "Number 0" on the WF102i, and then you can see the LED No. 1-3 will express the following status:

- ◆ Battery level 0~33% : LED No. 1 LED blink 2
- ◆ Battery level 33~66% : LED No. 1 and No. 2 blink
- ◆ Battery level 66~99% : LED No. 1, 2 and 3 blink
- ◆ Fully charged 100% : LED No. 1, 2 and 3 are steady on
- ◆ Charging failed: LED No. 1 and No. 3 blink alternately with LED No. 2.



- * When using the keyboard for the first time, it is recommended to charge the internal rechargeable battery for a better operating experience.
- * The time required to fully charge the built-in rechargeable battery will not exceed 5 hours. It is recommended to charge the rechargeable battery at least once a month for at least 2 hours each time.
- * When WF102i is connected to the PC host with a USB cable, the keyboard automatically switches to USB mode.
- * To save keyboard battery power, all LEDs will be turned off in wireless mode, but users can reactivate the backlit anytime.
- * In wireless mode, users can press and hold Fn keys at any time to see the status of the keyboard.






How to switch the RGB Backlit effect



Direct key press	Press Fn key-press combination
Arrow keys : Right	Switch the Backlit mode
Arrow keys : Left	Switches preset backlit color: switches from one effect to another in sequence
Arrow key : Up	Backlit brightness increased +
Arrow key : Down	Backlit brightness reduced -

Wireless communication step 1

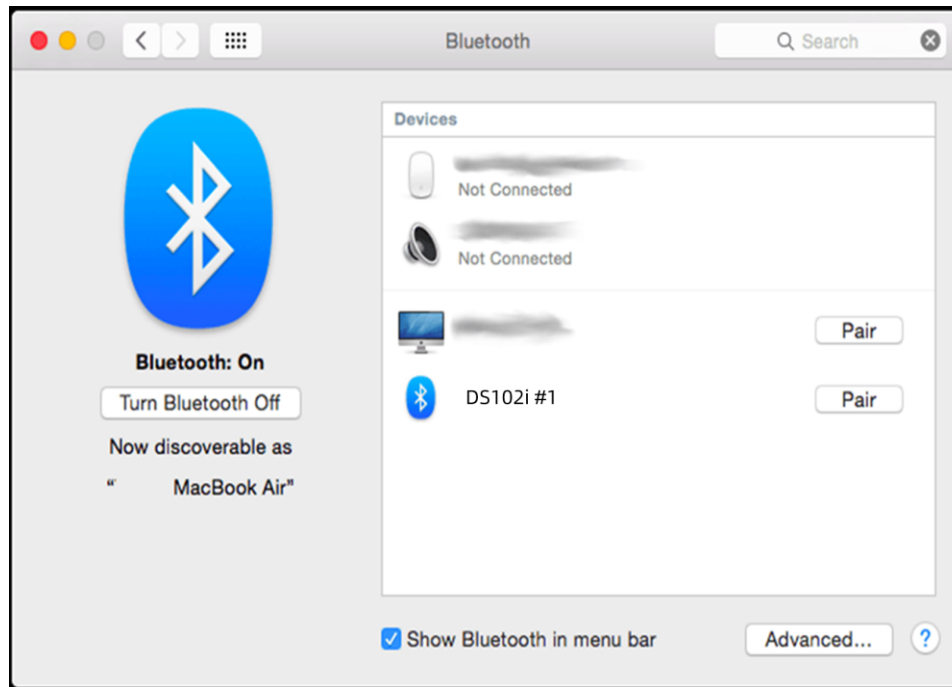
How to pair the keyboard

Key		Step 1: Press the buttons on the left with Fn key for 3 seconds	Indicator LED (blink)	Step 2:	Indicator LED
Fn +		Keyboard searches for Bluetooth Host #1 for pairing	White LED	Bluetooth settings on your computer Search WF102i #1 in the list and click "Connect"	Pairing successful LED No.1 blinks for one second
		Keyboard searches for Bluetooth Host #2 for pairing	White LED	Bluetooth settings on your computer Search WF102i #2 in the list and click "Connect"	Pairing successful LED No.2 blinks for one second
		Keyboard searches for Bluetooth Host #3 for pairing	White LED	Bluetooth settings on your computer Search WF102i #3 in the list and click "Connect"	Pairing successful LED No.3 blinks for one second
		Keyboard searches for Wombat Receiver for pairing	White LED	MAC/PC, Just wait for the indicator LED to stop blinking and steadily LED on, pairing completed	Pairing successful LED No.1,2 and 3 blinks for one second
		When connection of the USB cable is detected, the keyboard switches to USB wired mode	none	No setup, plug and play	N/A

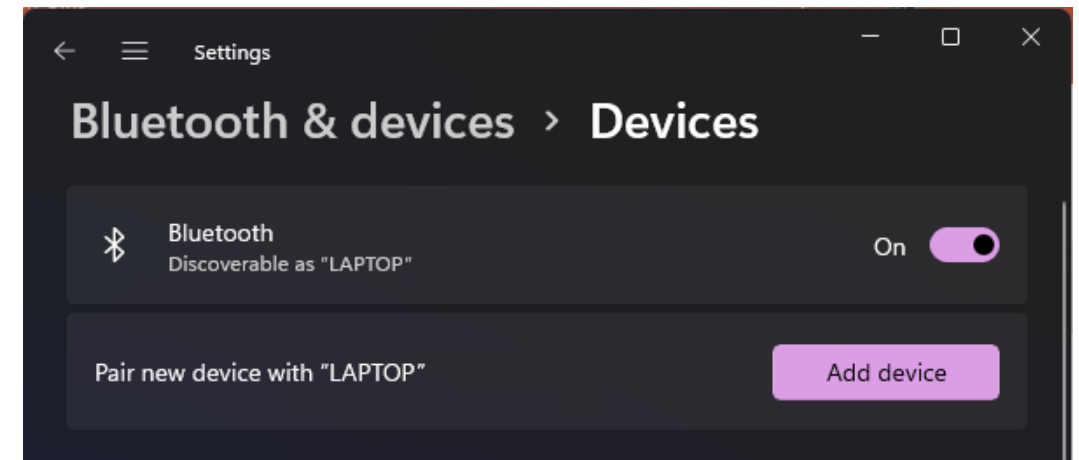
Wireless communication step 2

How to pair the keyboard

MAC Bluetooth settings

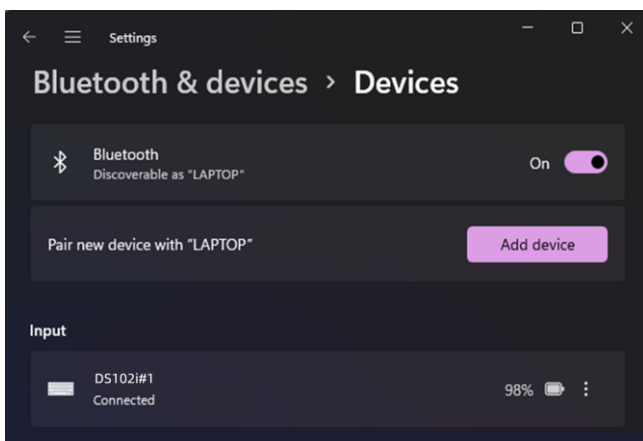
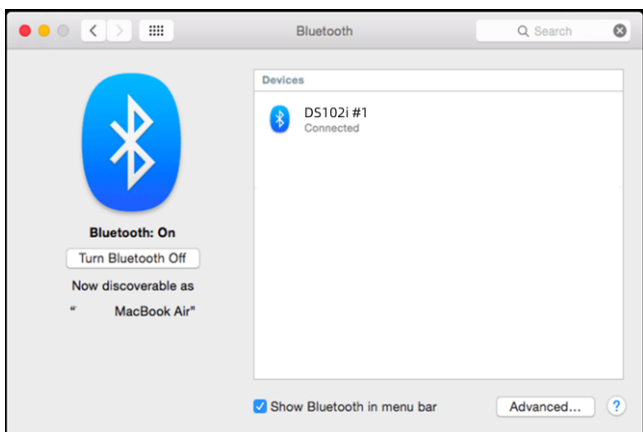







WINDOWS Bluetooth settings



Wireless communication step 3

How to pair the keyboard



Key	Step 1 : press the buttons on the left with Fn key for 1 second	Indicator LED
	Searching for paired Bluetooth Host #1	LED No.1 blink for one second
	Searching for paired Bluetooth Host #2	LED No.2 blink for one second
	Searching for paired Bluetooth Host #3	LED No.3 blink for one second
	Searching for paired RF Dongle	LED No.1,2 and 3 blink for one second
	USB cable connection is detected Keyboard switches to USB wired mode	/

How to toggle use of Willow Fx function keys and standard WINDOWS function keys

Toggle between use of standard WINDWS function keys and our grouping of Willow Fx function keys using a simple key combination: Fn + Tab



Press Directly		Fn Key Combination
ESC		WIN Menu / Start



Press Directly		Fn Key Combination
F1		Screen brightness -
F2		Screen brightness +
F3		Launch Pad
F4		Search
F5		Dictation
F6		Lock Screen
F7		Previous track
F8		Play / Pause
F9		The next track
F10		Mute
F11		Volume -
F12		Volume +



Press directly		Fn Key Combination
Screen brightness -		F1
Screen brightness +		F2
Launch Pad		F3
Search		F4
Dictation		F5
Lock Screen		F6
Previous track		F7
Play / Pause		F8
The next track		F9
Mute		F10
Volume -		F11
Volume +		F12

How to toggle use of Willow Fx function keys and standard MAC function keys

Toggle between use of standard Mac function keys and our grouping of Willow Fx function keys using a simple key combination: Fn + Tab



Press Directly		Fn Key Combination
F1		Screen brightness -
F2		Screen brightness +
F3		Launch Pad
F4		Search
F5		Dictation
F6		Do not Disturb
F7		Previous track
F8		Play / Pause
F9		The next track
F10		Mute
F11		Volume -
F12		Volume +



Press Directly		Fn Key Combination
ESC		Apple Menu

Press directly		Fn Key Combination
Screen brightness -		F1
Screen brightness +		F2
Launch Pad		F3
Search		F4
Dictation		F5
Do not Disturb		F6
Previous track		F7
Play / Pause		F8
The next track		F9
Mute		F10
Volume -		F11
Volume +		F12

How to edit macros using Pouch

Download our free software here at " [WB Pouch](#) "

to program the eight keys in the Fx area, M1-M8, with macros



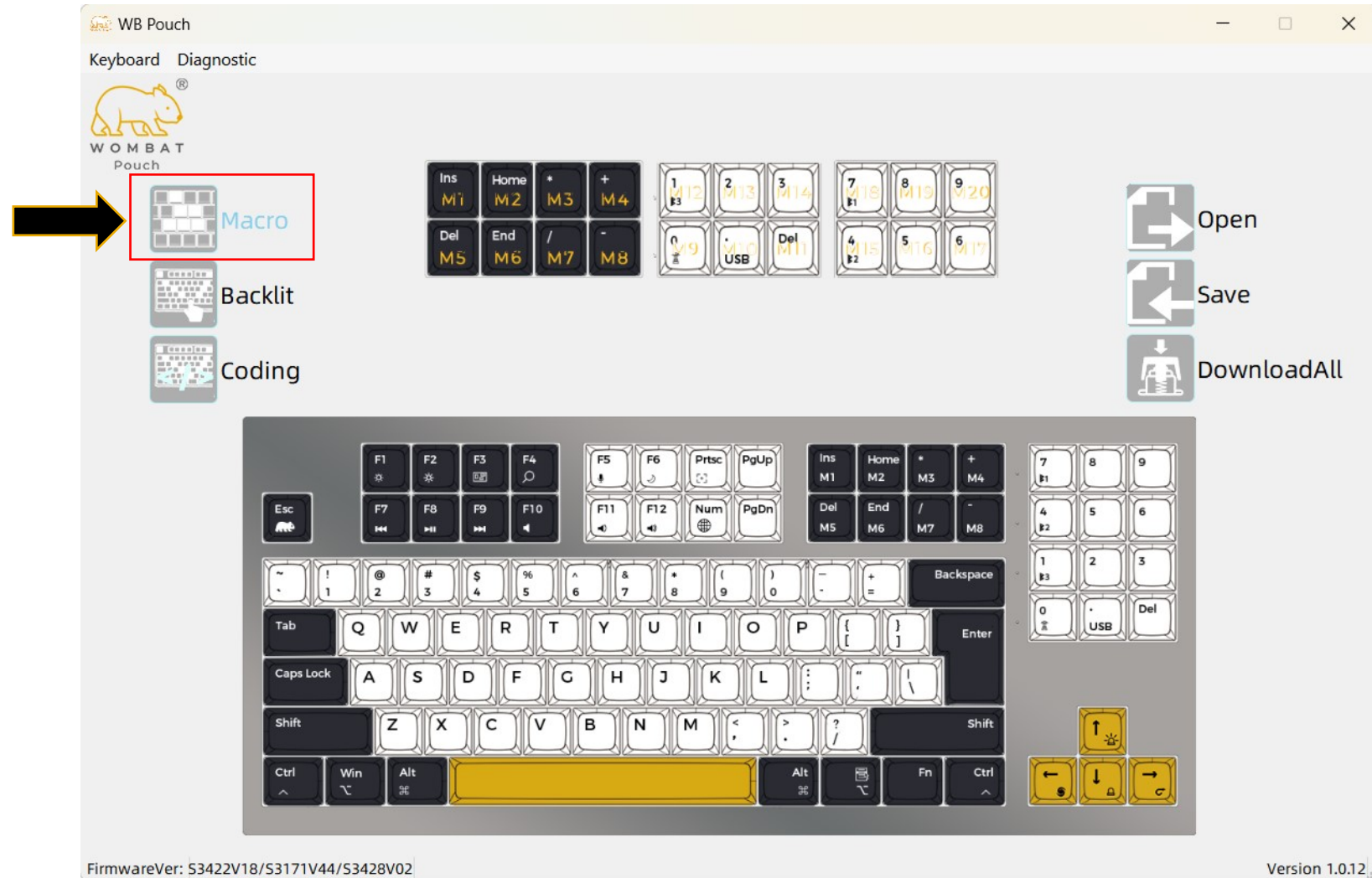
and 12 keys on the numeric pad



Press Directly (Factory Default)	Press the numlock key once to toggle between Macros and Normal key board layout (After programming with WB Pouch)
Ins	Press directly the programmed M1 key For example > Retrieve
Home	Press directly the programmed M2 key For example > 10 smiley faces in a row
*	Press directly the programmed M3 key For example > Open email
+	Press directly the programmed M4 key For example > Enter personal EMAIL
Del	Press directly the programmed M5 key For example > Enter personal mobile number
End	Press directly the programmed M6 key For example > Press enter 5 times in succession
Numpad 1/2/3 ...	Press directly the programmed number #4 key, For example > Refresh

How to use Pouch

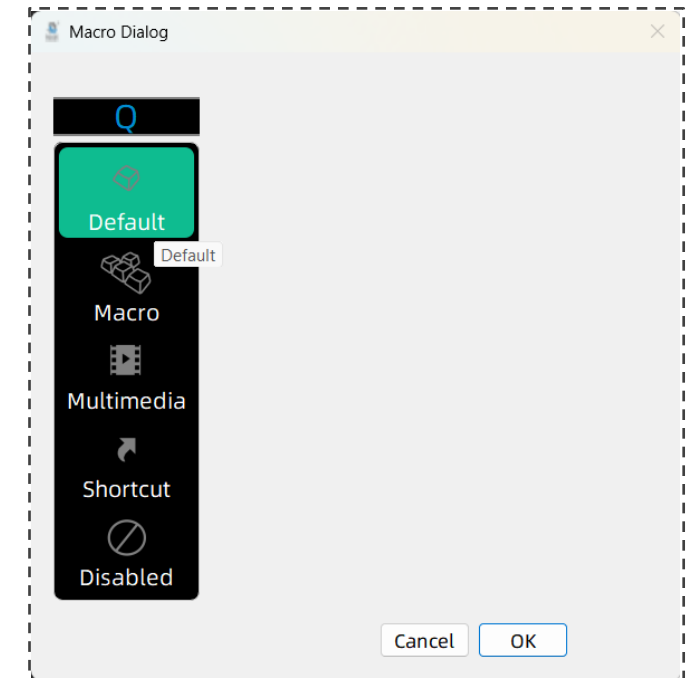
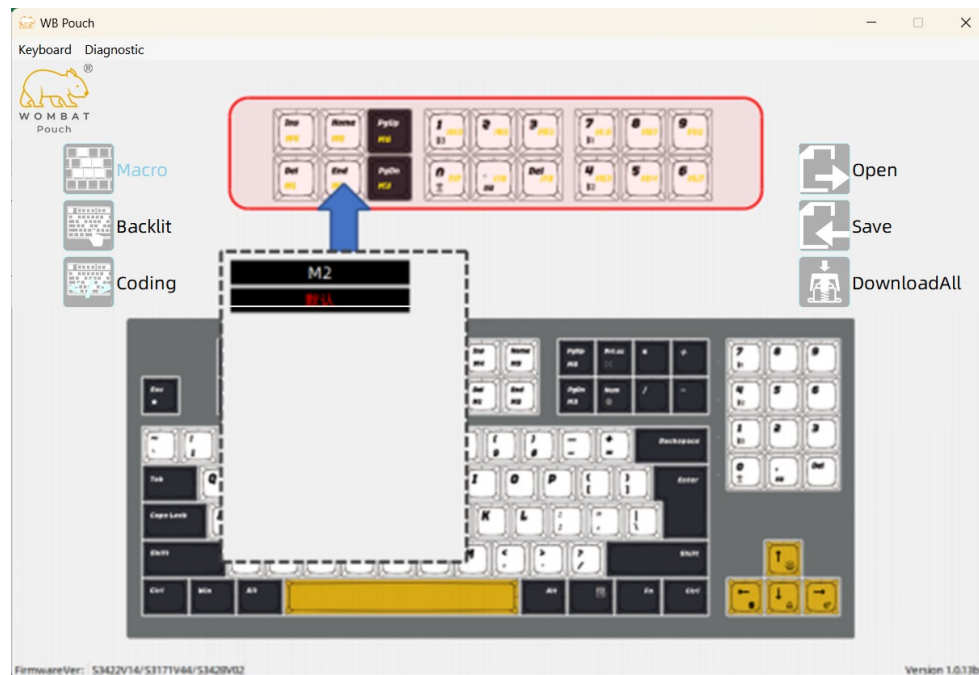
Click on “Macro” to bring up the MACRO customization interface



How to use Pouch

Hover the mouse cursor over the button icon at the top of the interface, and a new dialog box will automatically appear to display the default key value if it has not been edited or the previously edited key value.

as shown in the following image.

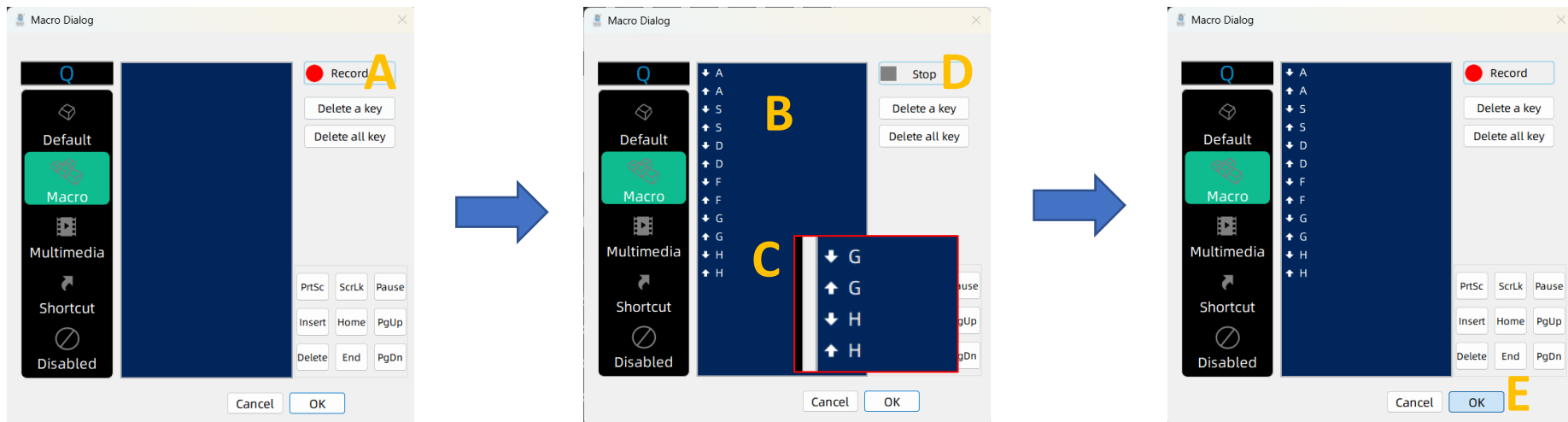


How to use Pouch

Taking "M2" as an example this time, there are a total of 5 options available for selection.

- ① Clicking on "Default," the "M2" key will be set to its initial key value, which is the "End" function.
- ② Clicking on "Macro," the software will switch to macro recording mode, as shown in the image on the right.
 - A. Press the red dot to start "recording," and the button will change to a gray square labeled "Stop." This indicates that the software is now recording the keystrokes on the keyboard.
 - B. At this point, if you press any key on the keyboard, the interface will display the key you just pressed.
 - C. A keystroke action consists of two actions: "↓ Press" and "↑ Release," which is why you can see the result as shown in the image below.
 - D. Once you have finished recording the keyboard actions, click on the gray square labeled "Stop" to stop the recording.
 - E. Finally, click on the "OK" button at the bottom to complete the keyboard macro recording.

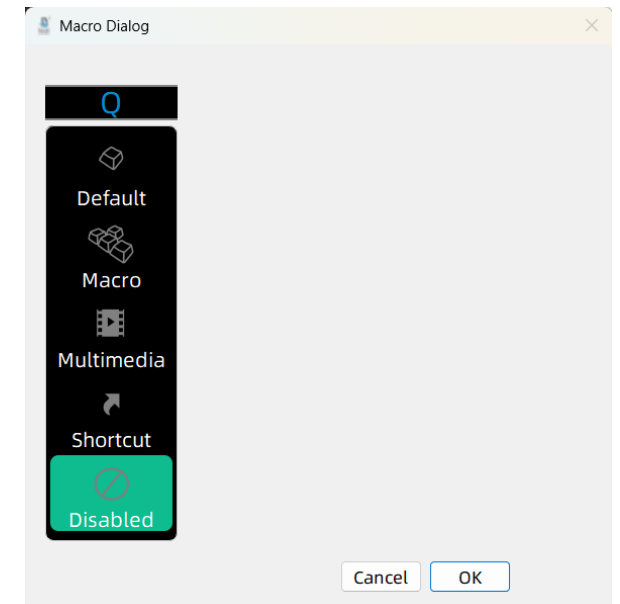
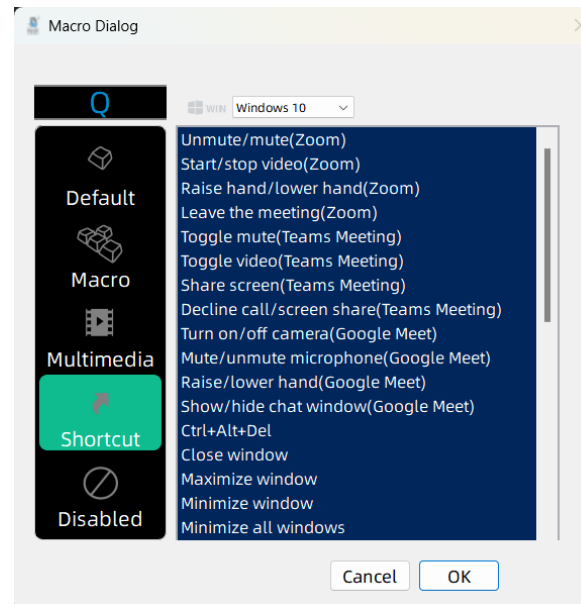
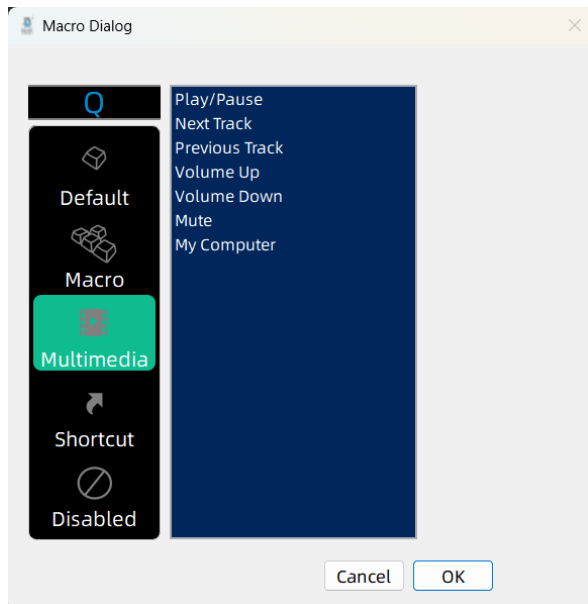
❖ Important note! The macros/actions recorded in the software are not yet downloaded onto the keyboard. You must click on "Download" on the right side of the interface for the software to transfer the recorded macros to the keyboard for execution. Otherwise, if you switch to other editing functions without downloading, the recorded macros will be lost and you will need to redo them.



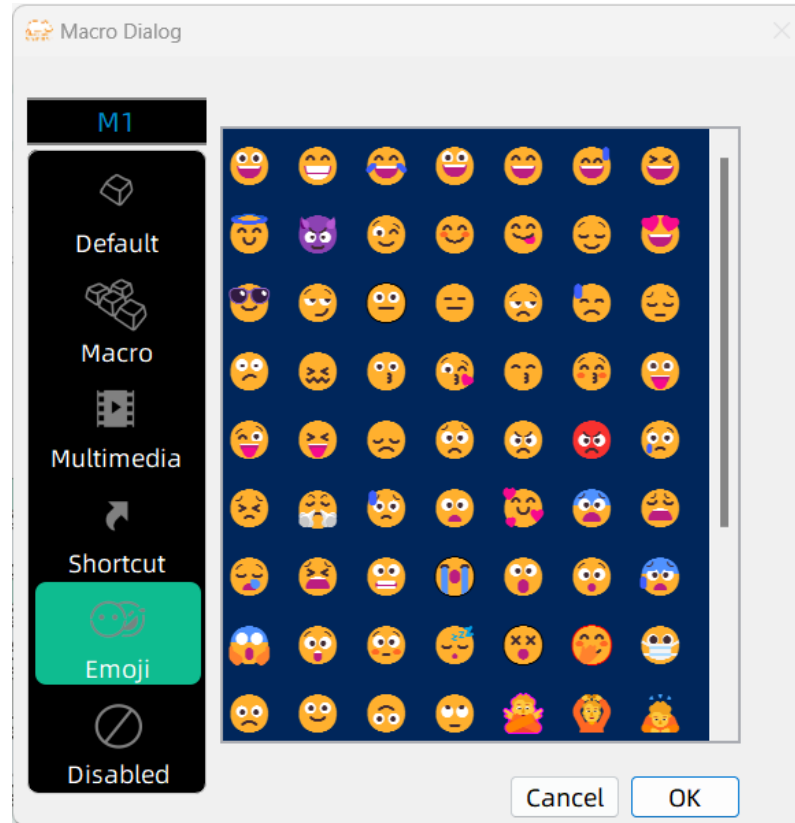
How to use Pouch

- ③ "Multimedia" and "Shortcut Keys" are some commonly used system operation hotkeys. This software includes a selection of commonly used hotkeys for various operations. You can click on the software's graphical icons to learn more details. It also includes hotkeys for video conferencing software.
- ④ "Disable" clears the key value. Once successfully set, pressing the key will result in no key code being sent, meaning it will behave as an empty key with no action when pressed.

❖ Click on the desired function, then click "Confirm" below. After that, return to the main interface and click the "Download" button on the right side to apply the changes and download them onto the keyboard.



How to use Pouch

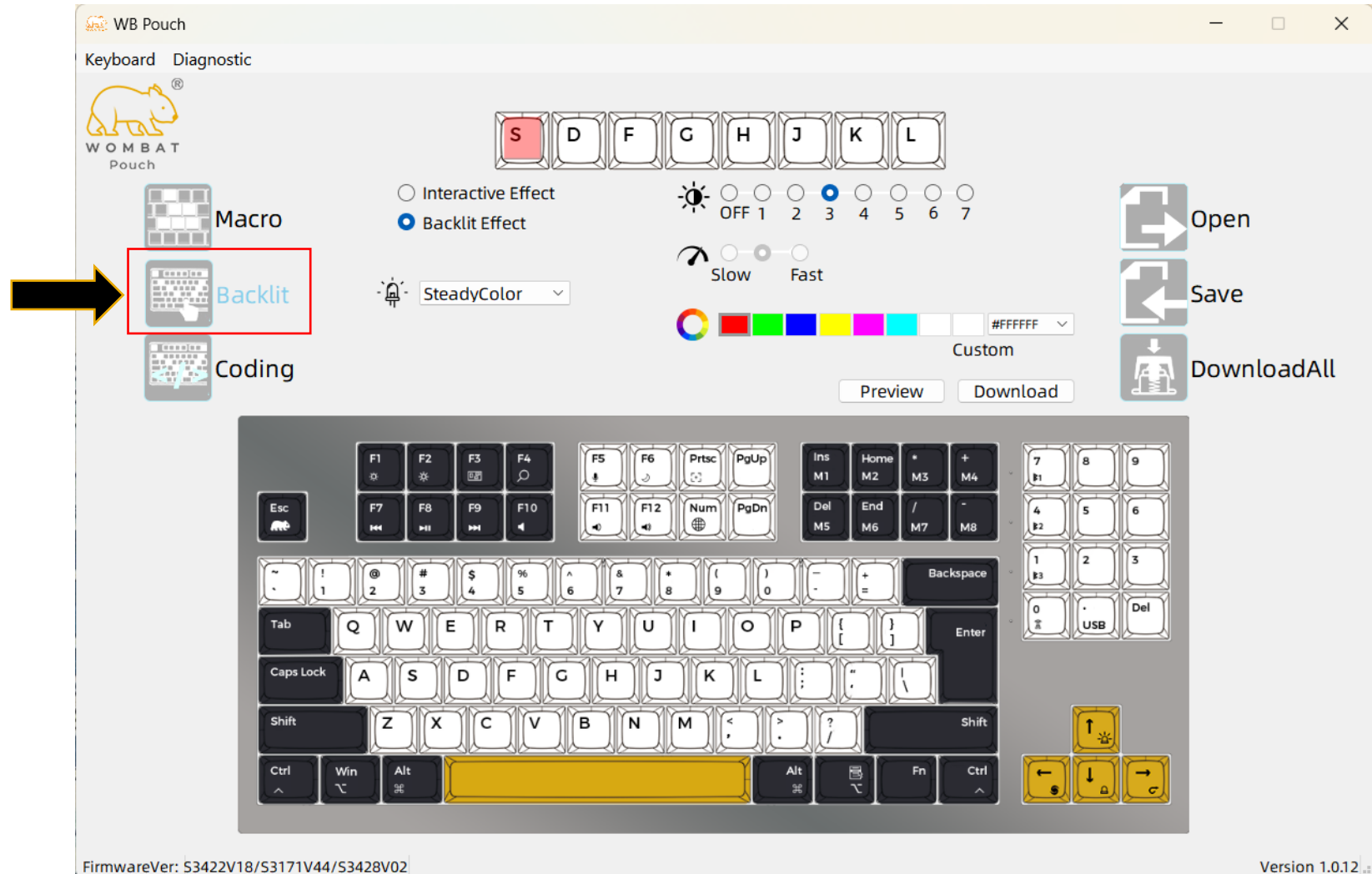


- ⑤ To invoke the edited macro on the keyboard, simply press Fn + the edited key. For example, in this example demonstration, you would press Fn + “M2”.
- ⑥ It is possible to program emojis into macro keys. For example, you can edit the keys on the number pad to represent different emojis. By assigning a macro to each key, you can trigger the corresponding emoji with a single key press. This allows for quick and convenient access to your favorite emoji without having to manually input them each time.

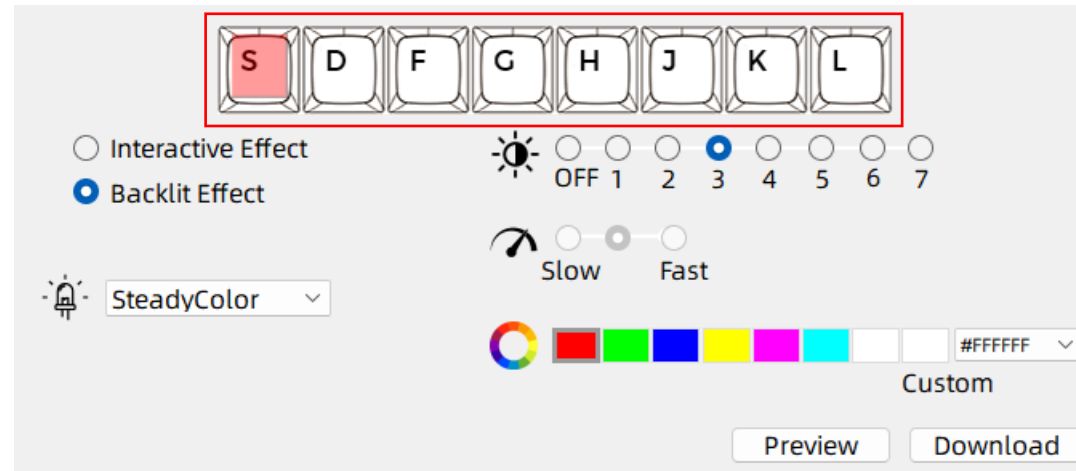
❖ This option will only appear when “WB Pouch” detects the corresponding model, such as WF102i this time.

How to use Pouch

Click on “**Backlit**” to bring up the advanced RGB backlight customization interface



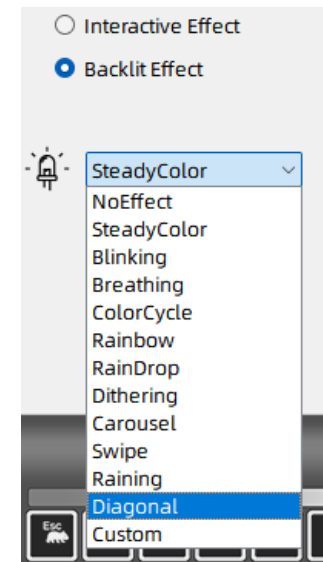
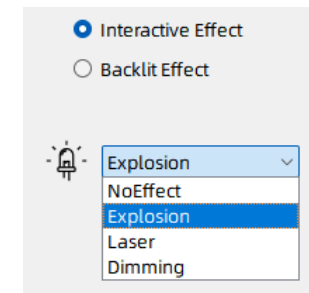
How to use Pouch



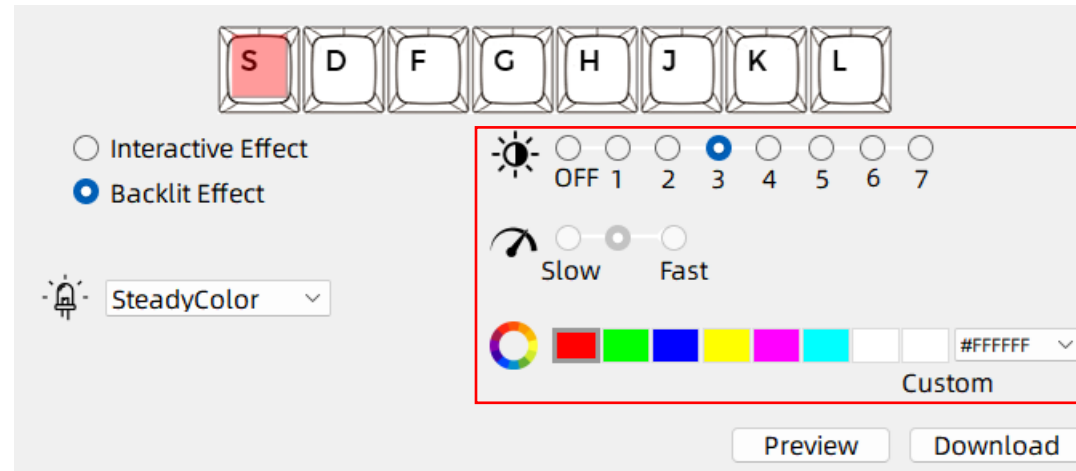
The button " S/D/F/G/H/J/K/L " will appear at the top of the interface, indicating that the keyboard supports up to 8 customizable backlit profiles.

Pick any one of these 8 customizable profile above, for example click " D " Afterwards, available backlit effects are divided into two categories , " **interactive** " and " **backlit** " effects :

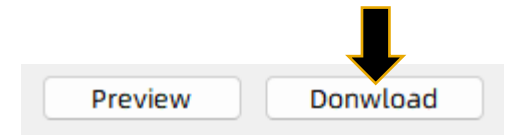
- ① Click " **Interactive** " to display a drop-down menu , which represents the effect that will be triggered when the user presses the keyboard , see the figure on the right
- ② Click " **Backlight** " to display a drop-down menu , which represents the automatic cycling effect of the entire backlit on the keyboard , as shown in the figure on the right



How to use Pouch

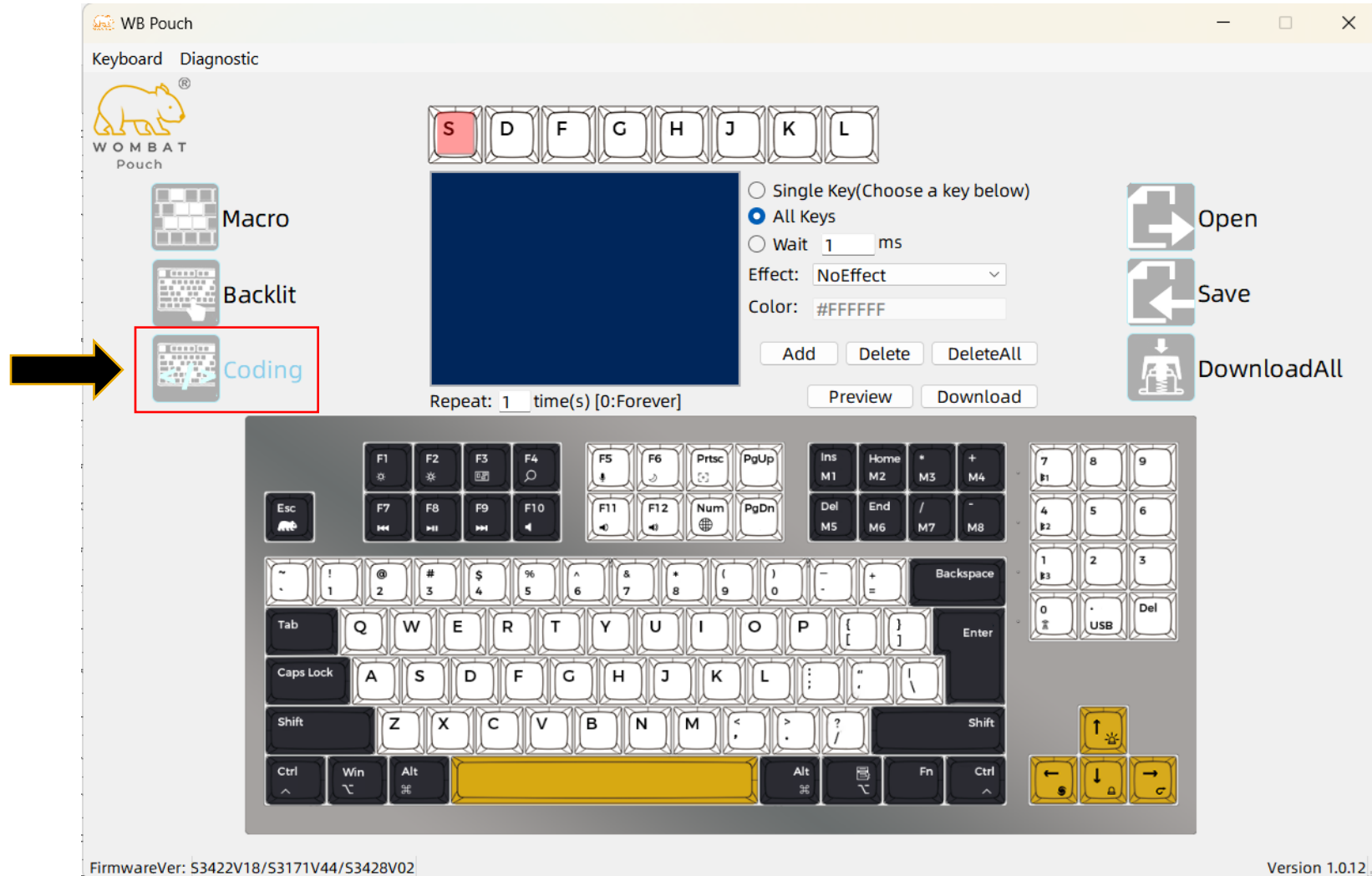


- ③ The selected effect can then be adjusted , including brightness / speed , and individual effects are color-definable:
 - Brightness 0 -7
 - speed class
 - Define the color A total of 7 presets and a color palette can be selected
- ④ After all set, click " **Download** " and the settings will be downloaded to the keyboard for taking effect.
- ⑤ Some of the **Backlit** effects that support " **preview** ", you can review the effect first and then download it to the keyboard
- ⑥ To call the edited macro on the keyboard , now just press Fn + the edited key , such as Fn + " **D** " in this example

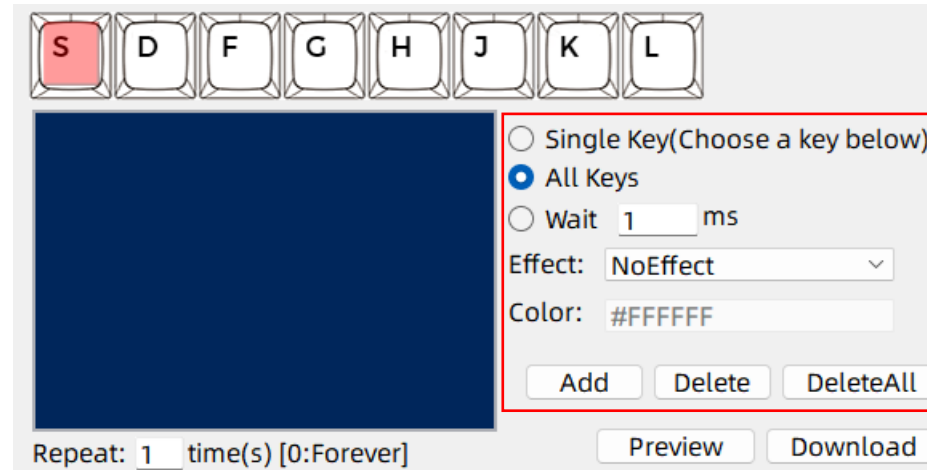


How to use Pouch

Click on "Coding" to bring up the advanced RGB backlight customization interface.




How to use Pouch

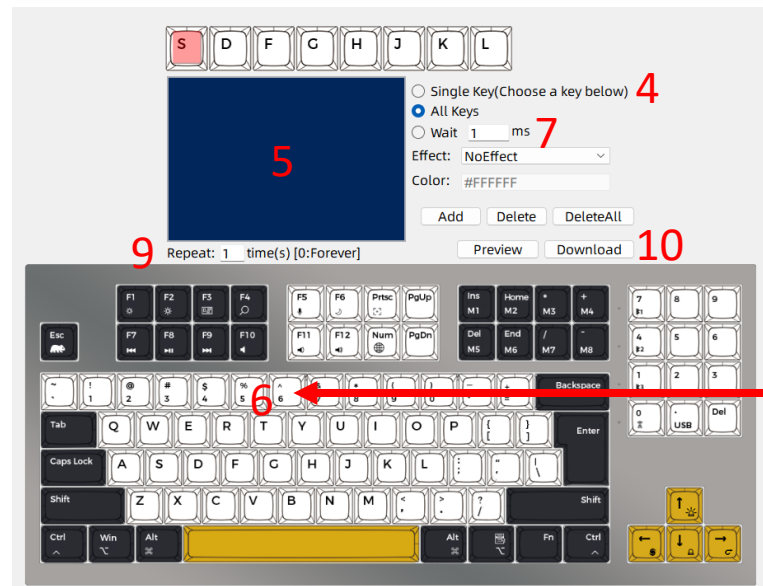


- ① The button " S/D/F/G/H/J/K/L " will appear at the top of the interface, indicating that the keyboard supports up to 8 custom programming key options
- ② a custom button among 8 options , for example click " S “
- ③ After that, the optional effects are divided into two categories , " **Single key** " and " **All key** " effects :
 - Check the box " **Single key** " and select a lighting effect from the “**Effect**” drop-down menu.
 - Check the box " **All Keys** " and select a lighting effect from the “**Effect**” drop-down menu.
 - Check the box " **Wait** " to enter the time for the effect to last for, the unit is one thousandth of a second (1ms), and 1000ms = 1 second

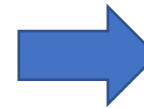
How to use Pouch

- ④ For example : After selecting “ **Single Key** ”, you need to find a key you want to edit on the keyboard map , such as “ **5** ”, and then select the color of the light , such as purple  , the corresponding color number is R:85, G:0, B:255, then click " Add "
- ⑤ After clicked " Add ", a code will appear in the blue dialogue box to describe the action just set .
- ⑥ As shown in the figure below < num5 > < single light > < 85,0,255 >
- ⑦ After adding an effect, you need to add a **delay** to make the effect run and display. At this time, click "Wait " to add a delay of 1000ms, which is 1 second.
- ⑧ Continue to edit other actions to generate code to produce more effects, as shown on the right blue dialogue box
- ⑨ After all effects are added , in the " **Repeat** " box below the blue dialogue box, you can enter the number of times you want a whole set of effect loops , for example 2/5/16 times, you can also enter "0" to represent an infinite loop.
- ⑩ After all settings are completed, you can press Preview to see the effect, and then press " **Download** " to download the effect just edited to the keyboard

❖ *To call the edited macro on the keyboard, now just press Fn + the edited key, such as Fn + " S " in this example demonstration*



Character " 5 "

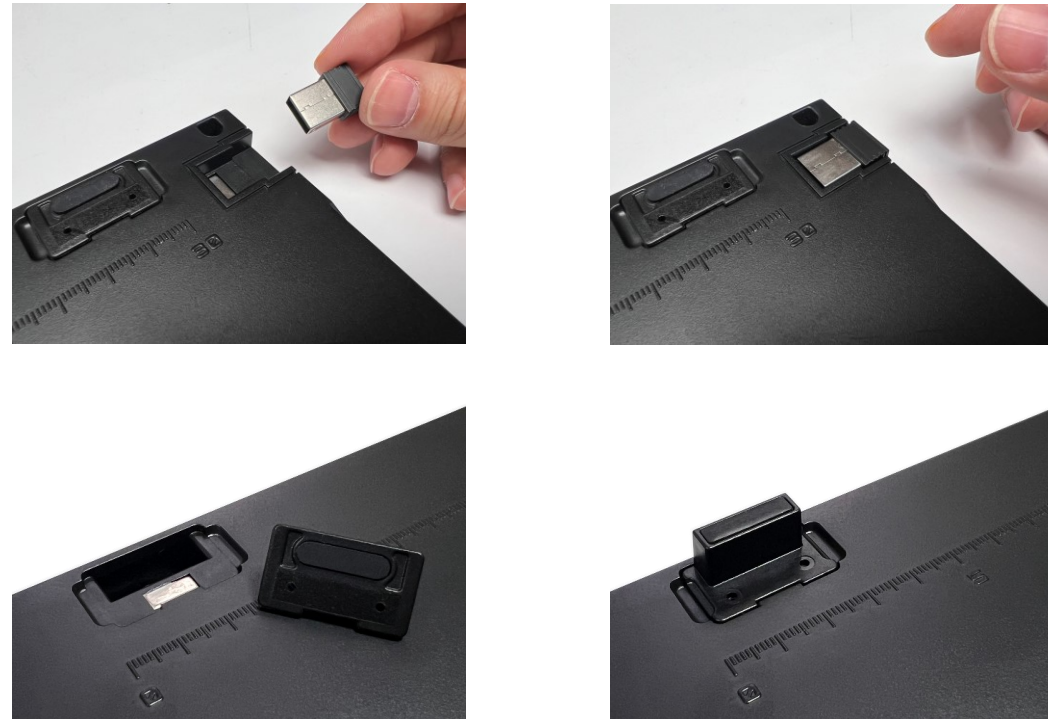


```
<Num 5> <Dimming> <85,0,255>  
<Wait> <1000 ms>  
<All Keys> <Rainbow>  
<Wait> <1000 ms>  
<All Keys> <Carousel>  
<Wait> <500 ms>
```

8

Special features highlight

Tilt Feet design and RF dongle storage slot with Magnet Lock Mechanism



- Prevents accidental movement or collapse, ensuring a steady typing experience
- Magnet lock mechanism allows for effortless adjustment of the tilt angle, allowing individuals to easily adjust and lock the keyboard's tilt angle to their preference
- Ensures a reliable and firm lock when the tilt feet are extended
- Sleek and Minimalist Design