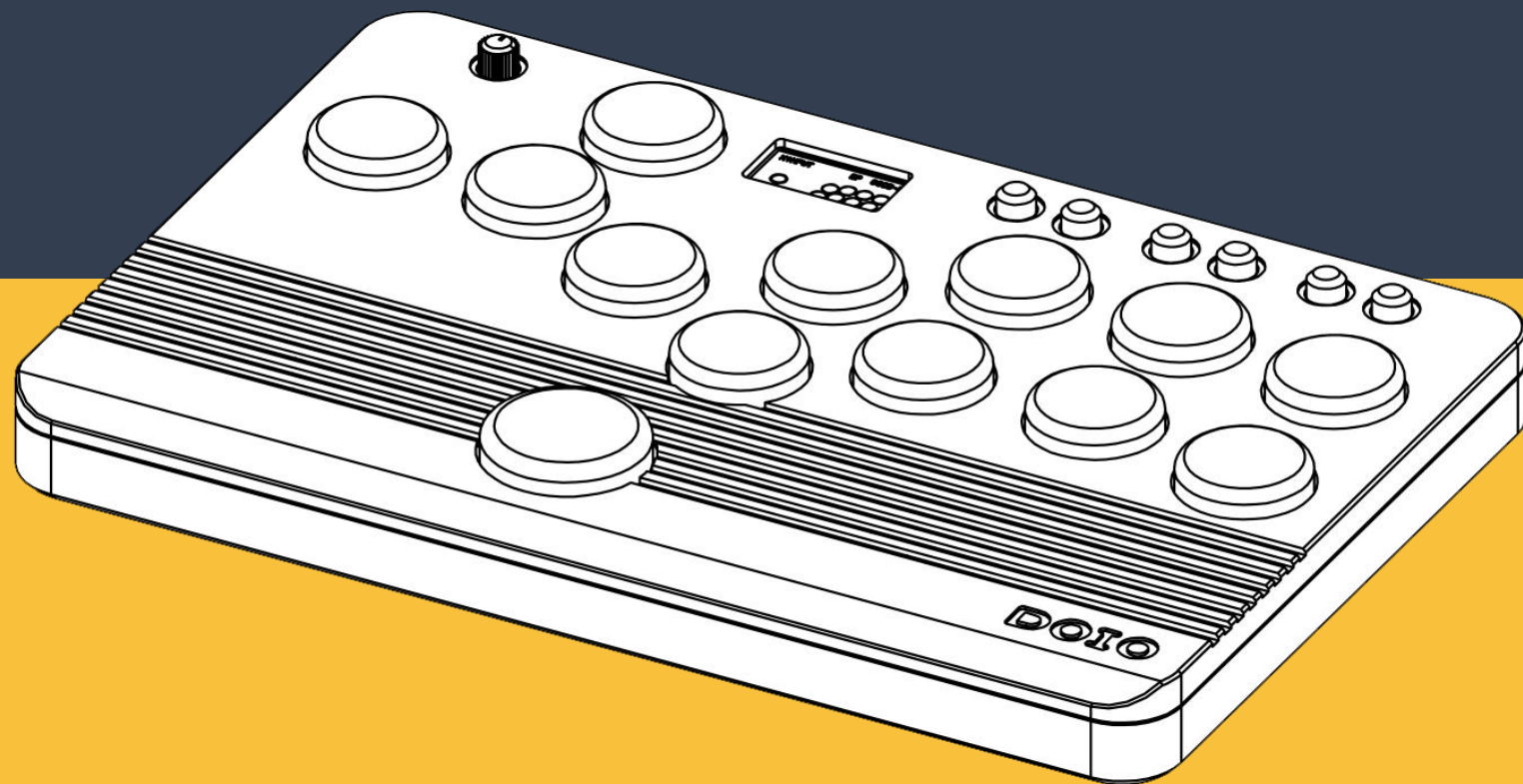




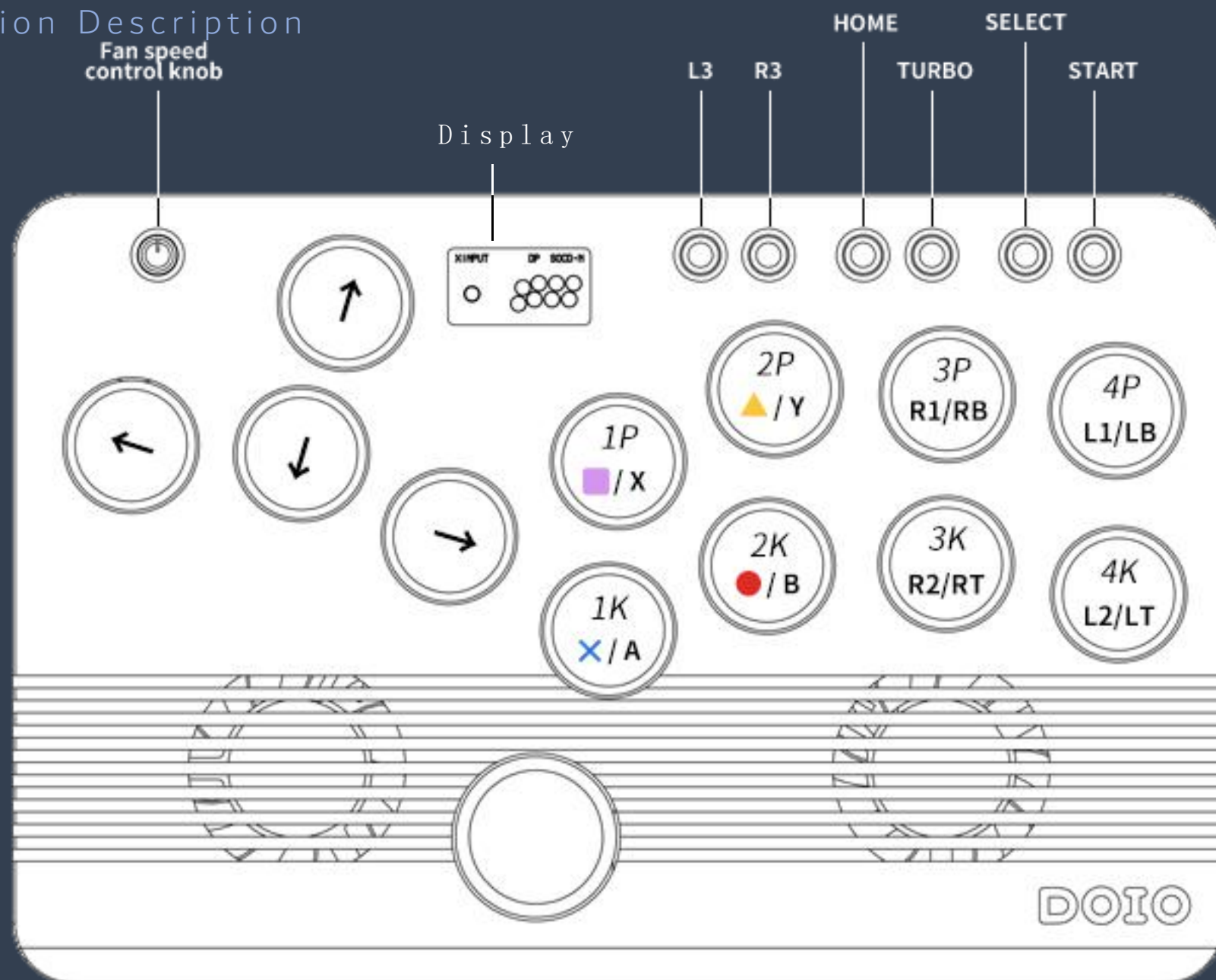
KBHX-02





Thank you for using DOIO products. The following tutorial will guide you on how to perform advanced settings on your keyboard. The documents required for the tutorial can be downloaded from the official [DOIO website](#). Any custom modifications you make to your keyboard settings will be saved in the keyboard's hardware storage. When connected to other computers, the custom key values can be used directly without the need for additional configuration.

Keyboard Function Description



Keyboard Function Description

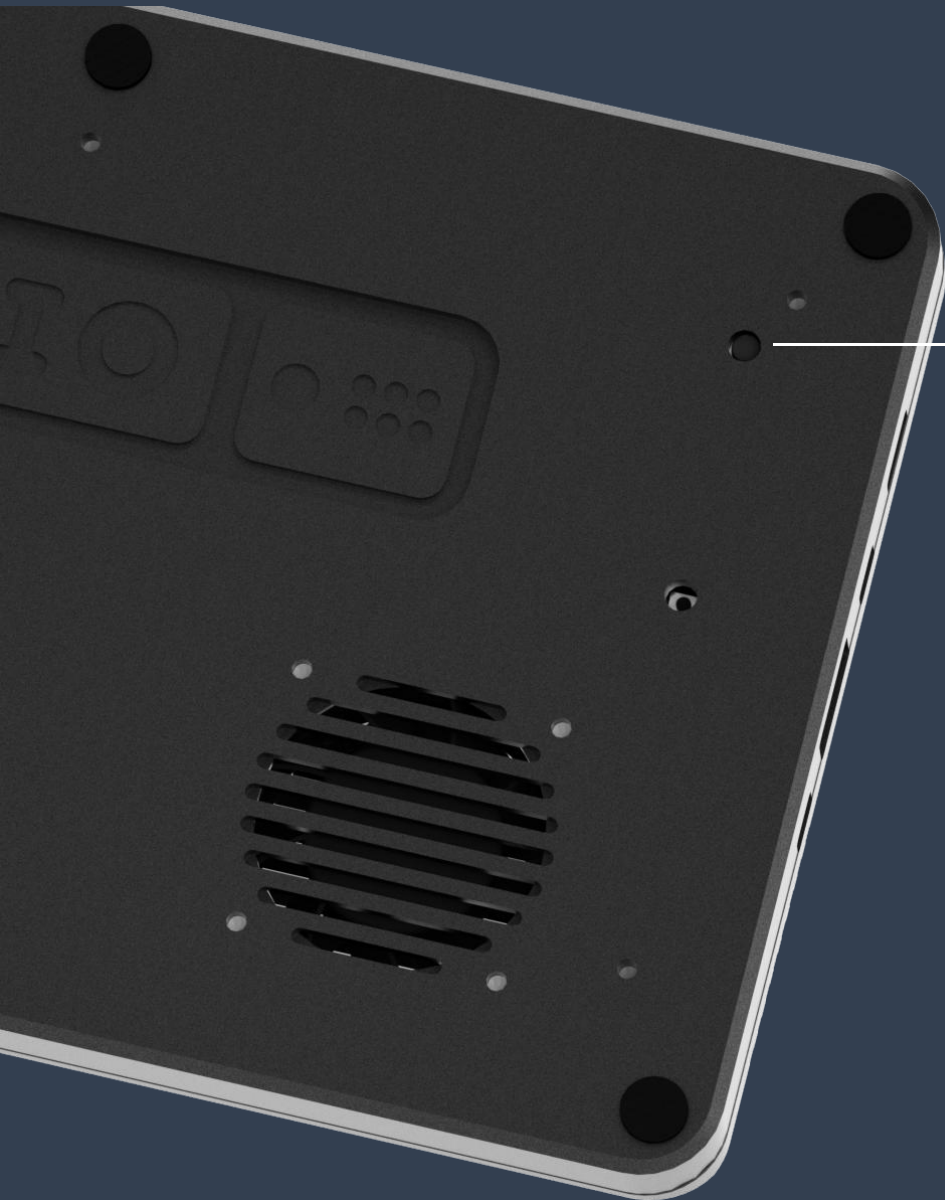


Key mode switch
Toggle switch, keyboard big
key switch up direction key
mode/custom key value mode

USB-A
Connect to
MagicBoots for
devices such as
PS4/5

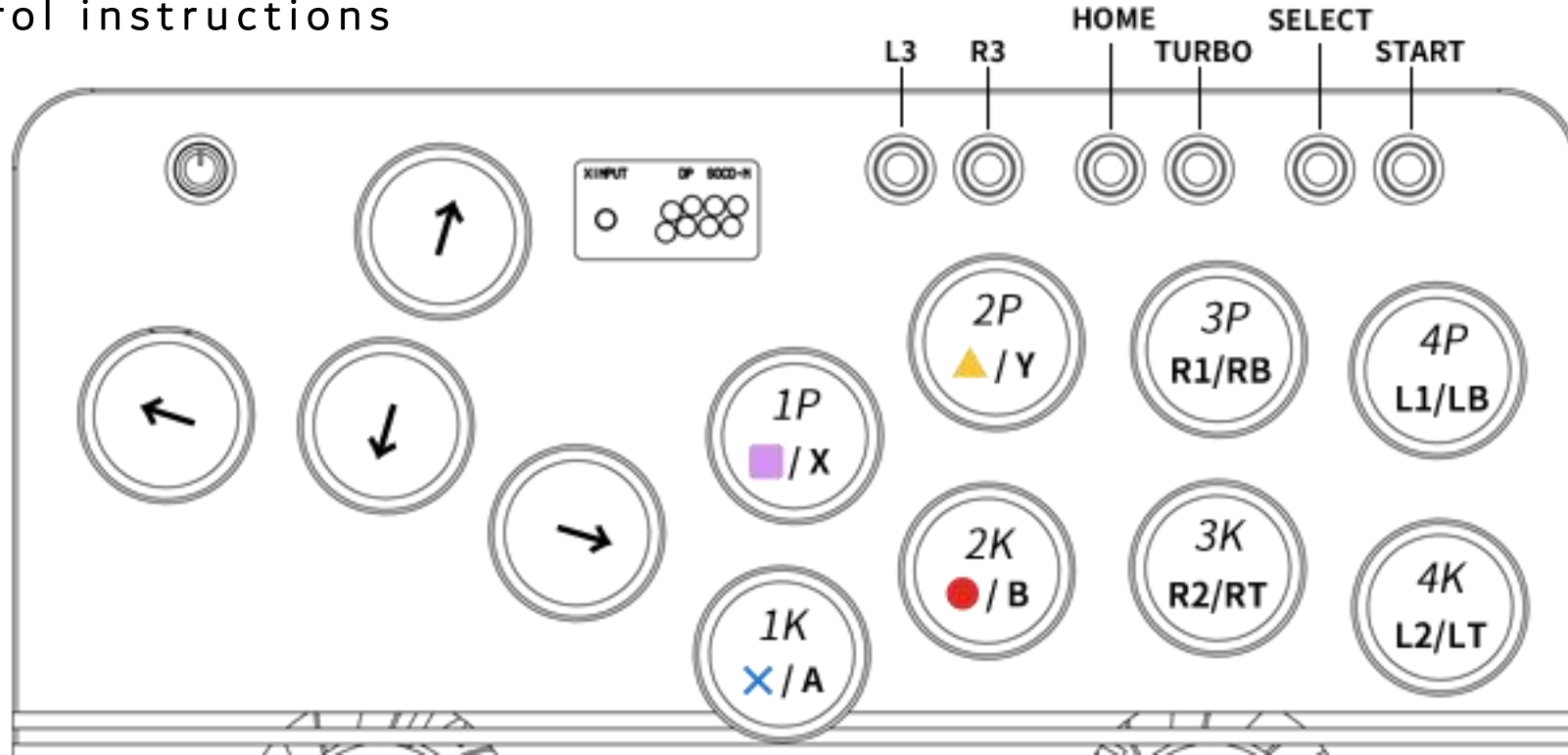
Fan switch
Control the two fan
switches at the bottom
of the keyboard

Keyboard Function Description



One click reconnection button
After the web configuration is saved,
you can press this button without
inserting or removing the USB cable
harness, which is convenient and
quick.

Lighting control instructions



- *SELECT+START+1P = Next lighting effect
- *SELECT+START+1K = Last lighting effect
- *SELECT+START+2P = Brightness+
- *SELECT+START+2K = Brightness-
- *SELECT+START+3P = Change the next lighting effect preset
- *SELECT+START+3K = Change the previous lighting effect preset
- *SELECT+START+4P = Next key triggering color
- *SELECT+START+4K = Previous key triggering color

Input mode

To select the input mode, press and hold the following keys before connecting to the device:

- 1P - PS3 (D-Input)
- 1K - Nintendo Switch
- 2K - PC/XInput

Arrow key mode:

- SELECT+START+ ↓ = Visual helmet mode is D-pad mode (DP)
- SELECT+START+ ← = Left stick mode
- SELECT+START+ → = Right stick mode

Y axis inversion mode:

- HOME+START+ → = Press the up and down keys to adjust

SOCD mode:

- HOME+START+ ↓ = Neutral (up+down = middle, left+right = middle)
- HOME+START+ ↑ = SOCD1 (up+down = up, left+right = middle)
- HOME+START+ ← = Last input priority (overwritten after)

Continuous transmission mode

Hold down the TURBO button and press the button that you want to set continuous fire, after setting, you can cancel rapid fire by the same action

- Continuous sending can be set to 1P, 2P, 3P, 4P, 1K, 2K, 3K, 4K, 8 buttons
- Rate of fire can be adjusted in the range of 1 to 60 times per second (separate rate adjustment per button is not supported)
- Hold DOWN the TUBRO button and press the UP key to increase the rate of fire, hold down the TURBO button and press the Down key to reduce the rate of fire
- Even if the power is turned off, the set rate of fire will be saved in the previous state, but the status of the continuous fire button will be cleared

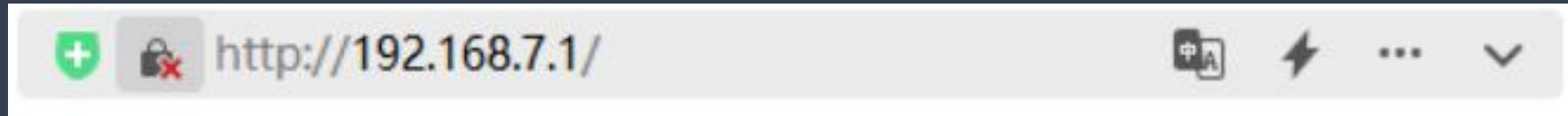
RGB LED

To change the LED Settings, press:

- SELECT+START+1P = Next lighting effect
- SELECT+START+1K = Last lighting effect
- SELECT+START+2P = Brightness+
- SELECT+START+2P = Brightness-
- SELECT+START+3P = Change the next lighting effect preset
- SELECT+START+3K = Change the previous lighting effect preset
- SELECT+START+4P = Next key triggering color
- SELECT+START+4K = Previous key triggering color

Go to the debug page

1. Hold down the "START" key of the device and insert the type-C cable
2. Open the browser, enter 192.168.7.1 in the address box, and press Enter

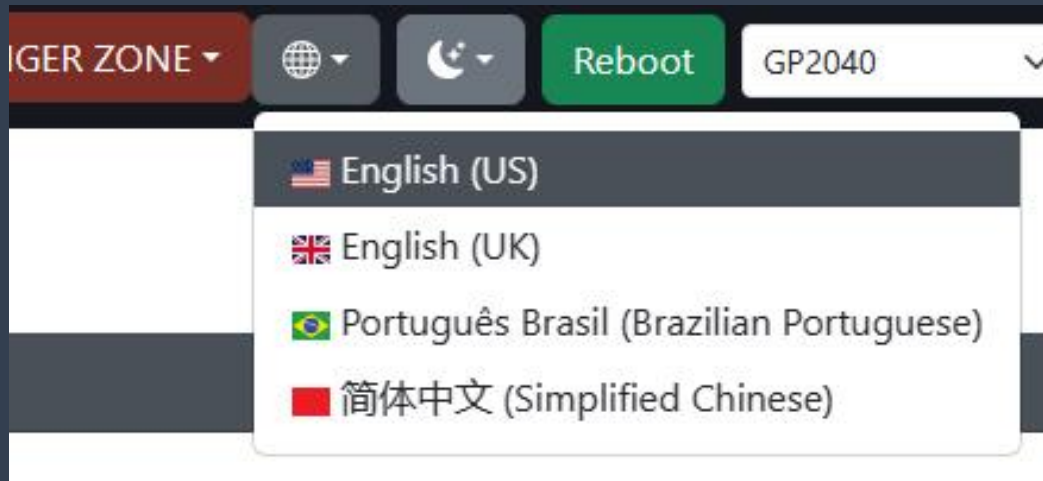


Control panel home

The screenshot shows the control panel home page for GP2040-CE. At the top, there is a navigation bar with a logo, the title 'GP2040-CE', and menu items: 'Home', 'Settings', 'Configuration', and 'Links'. A prominent red 'DANGER ZONE' button is also present. To the right are icons for a globe, a moon (dark mode), and a green 'Reboot' button. A dropdown menu shows 'GP2040'. Below the navigation bar, a large heading reads 'Welcome to the GP2040-CE Web Configurator!' followed by the instruction 'Please select a menu option to proceed.' A 'System Stats' section is displayed in a dark header, containing the following information:

- Version**
 - Pico (GP2040-CE_0.7.5_Pico.uf2)
 - Current: v0.7.5
 - Latest:
- Memory (KB)**
 - Flash: 808.75 / 2048 (39.49%)
 - Heap: 25.07 / 153.37 (16.35%)
 - Static Allocations: 110.63

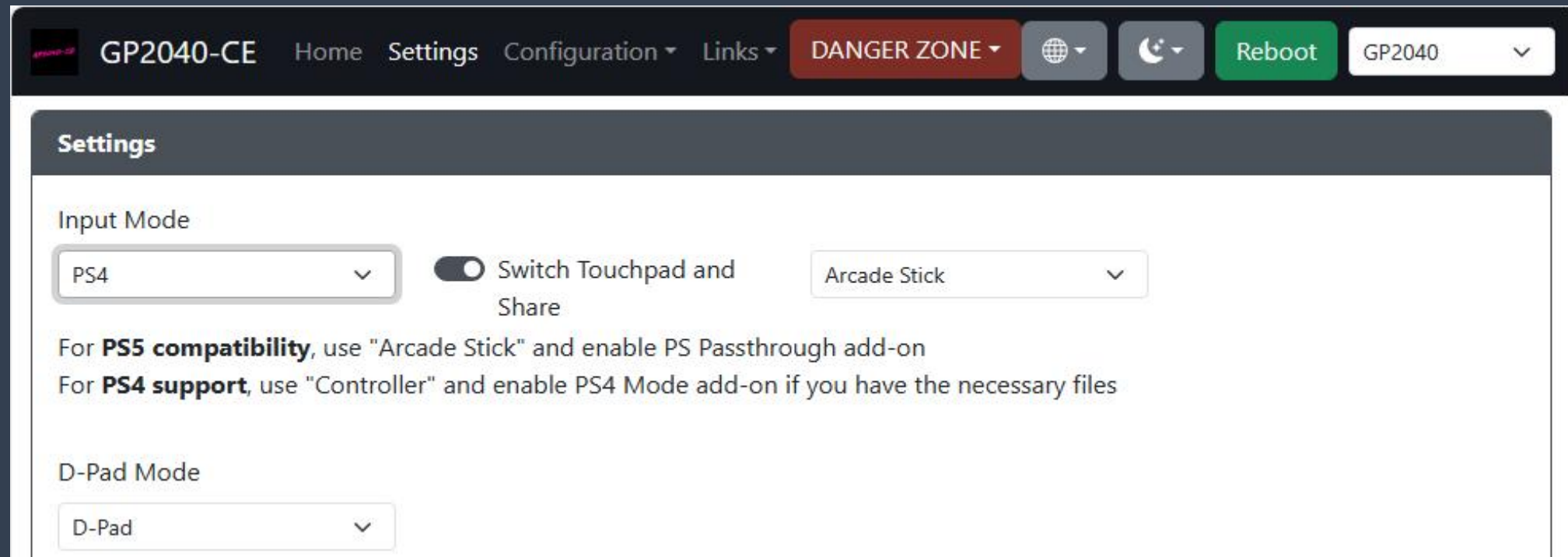
Topic language selection



Once on the home page, click the "Language" button at the top and select the target language under the drop-down TAB.

Change the PS5 mode

- 1、 Once in the debug page, click the "Settings" button at the top
- 2、 Select the PS4 option from the Input Mode TAB
- 3、 Select the "Arcade Joystick" option on the right
- 4、 Click the "Save" button at the lower left corner of the page to Save the data



Change the PS5 mode

5. The Configuration - Add-Ons Configuration page is displayed.
6. Enabled "PS Passthrough" function, and change "D+" and "D-" to "26" and "27" respectively. The power options do not need to be changed.
7. Click the "Save" button at the lower left corner of the page to Save the data
8. Reinsert the Type-C port and connect to the MagicBoots module to connect to the PS5.

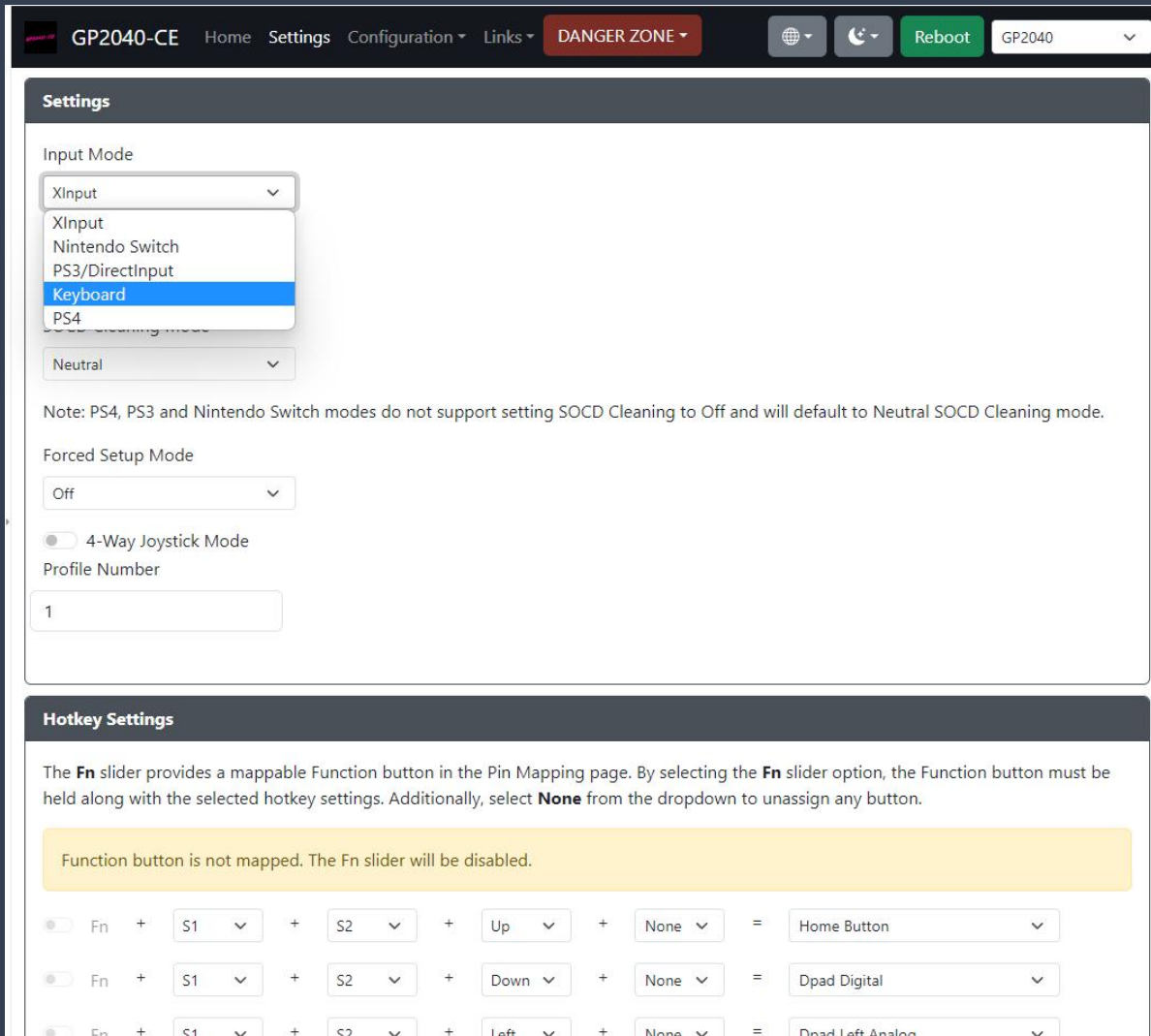
PS Passthrough

Following set the data +, - and 5V (optional) pins. Only the + and 5V pin can be configured.

D+	D-	5V Power (optional)
<input type="text" value="26"/>	<input type="text" value="27"/>	<input type="text" value="-1"/>

Enabled

Switch keyboard usage



The screenshot shows the GP2040-CE settings interface. At the top, there is a navigation bar with 'GP2040-CE', 'Home', 'Settings', 'Configuration', 'Links', a 'DANGER ZONE' button, a globe icon, a moon icon, a 'Reboot' button, and a 'GP2040' dropdown menu. The main content area is titled 'Settings' and contains the following elements:

- Input Mode:** A dropdown menu is open, showing options: 'XInput', 'Nintendo Switch', 'PS3/DirectInput', 'Keyboard' (highlighted in blue), and 'PS4'. Below it is a 'Neutral' dropdown menu.
- Note:** PS4, PS3 and Nintendo Switch modes do not support setting SOCD Cleaning to Off and will default to Neutral SOCD Cleaning mode.
- Forced Setup Mode:** A dropdown menu set to 'Off'.
- 4-Way Joystick Mode:** A toggle switch that is currently turned off.
- Profile Number:** A text input field containing the number '1'.

Below the main settings is a section titled 'Hotkey Settings'. It includes a text block: 'The **Fn** slider provides a mappable Function button in the Pin Mapping page. By selecting the **Fn** slider option, the Function button must be held along with the selected hotkey settings. Additionally, select **None** from the dropdown to unassign any button.' Below this is a yellow warning box: 'Function button is not mapped. The Fn slider will be disabled.' At the bottom, there are three rows of hotkey settings, each with a disabled toggle switch:

- Fn + S1 + S2 + Up + None = Home Button
- Fn + S1 + S2 + Down + None = Dpad Digital
- Fn + S1 + S2 + Left + None = Dpad Left Analog

- 1、Once in the debug page, click the "Settings" button at the top
- 2、Select the Keyboard option from the Input Mode TAB
- 3、Click the "Save" button at the lower left corner of the page to Save the data (After clicking "Save", do not pull out the data cable, continue to the next step)

Switch keyboard usage

GP2040-CE Home Settings Configuration Links DANGER ZONE Reboot GP2040

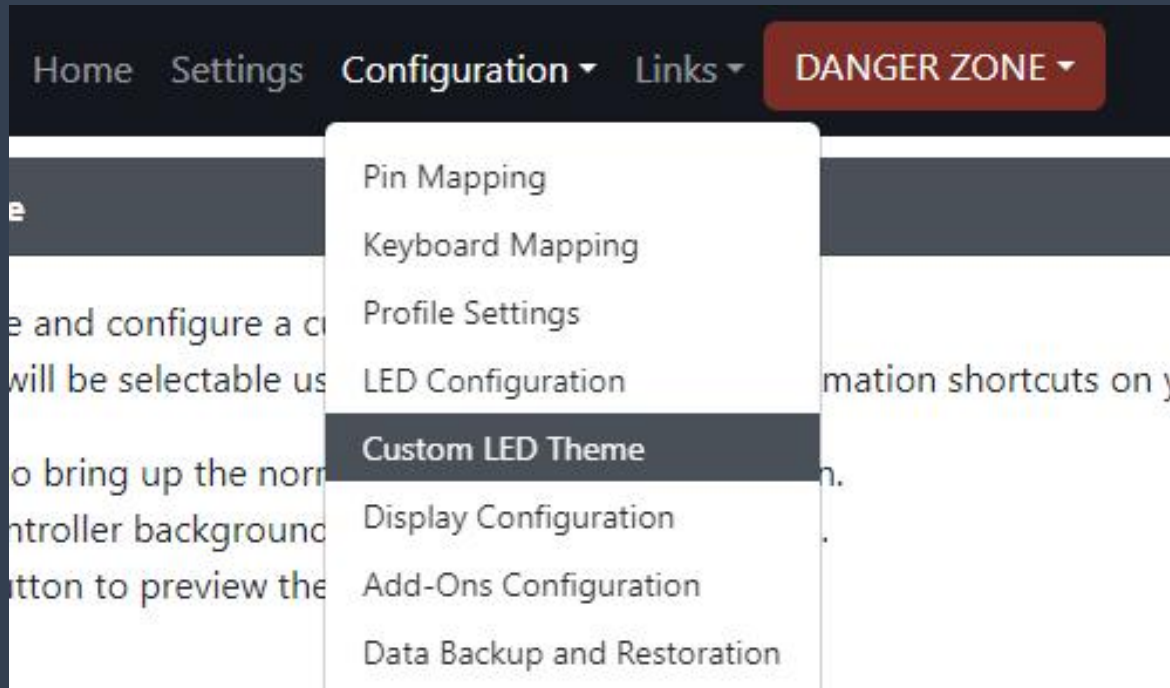
Keyboard Mapping

Use the form below to reconfigure your button-to-key mapping.

GP2040	Key
Up	A
Down	B
Left	C
Right	D
B1	E
B2	F
B3	G
B4	H
L1	I
R1	J
L2	K
R2	X
S1	L
S2	M
L3	N
R3	O
A1	P
A2	F2
Function	None

- 4、Once saved, click the "Configuration" button at the top
- 5、Click the drop-down box on the right TAB of each button to change the target key value
- 6、Click the "Save" button in the lower left corner of the page to save the operation
- 7、The effect takes effect after the Type-C is reinserted

Custom lighting theme setting method



- 1、Click the "Configuration" button at the top and click the "Custom LED Theme" option in the drop-down TAB.

Custom lighting theme setting method

2、Click the "Enable" button on the right

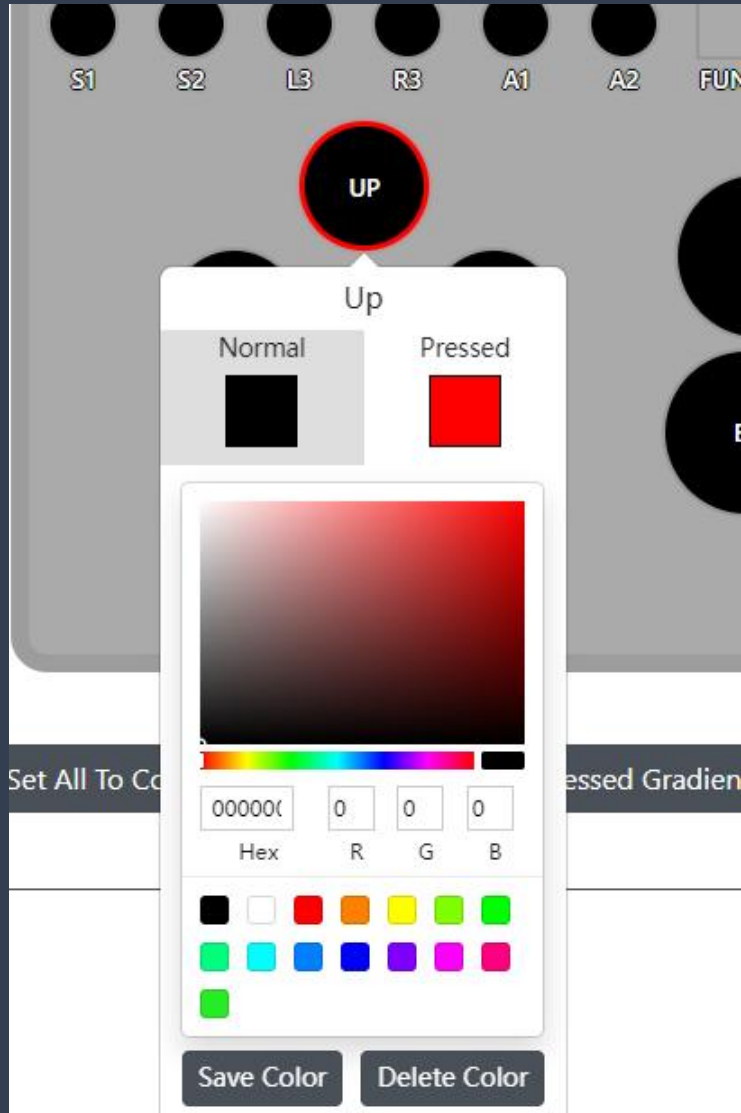
Custom LED Theme

Here you can enable and configure a custom LED theme.
The custom theme will be selectable using the Next and Previous Animation shortcuts on your controller.

Enable

Save

Custom lighting theme setting method



- 3、Click each button to set the light color for lifting and pressing each action
- 4、Click the "Save" button in the lower left corner of the page to save the operation
- 5、The effect takes effect after the Type-C is reinserted

Key/Mode	XInput	Switch	PS3	Dinput	GP2040
1P	X	Y	■	1	B3
2P	Y	X	▲	4	B4
3P	RB	R	R1	6	R1
4P	LB	L	L1	5	L1
1K	A	B	×	2	B1
2K	B	A	○	3	B2
3K	RT	ZR	R2	8	R2
4K	LT	ZL	L2	74	L2
SELECT	BACK	-	SELECT	9	S1
START	START	+	START	10	S2
LS	LS	LS	L3	11	L3
RS	RS	RS	R3	12	R3
HOME	XBOX	HOME		13	A1
TP		Picture		14	A2