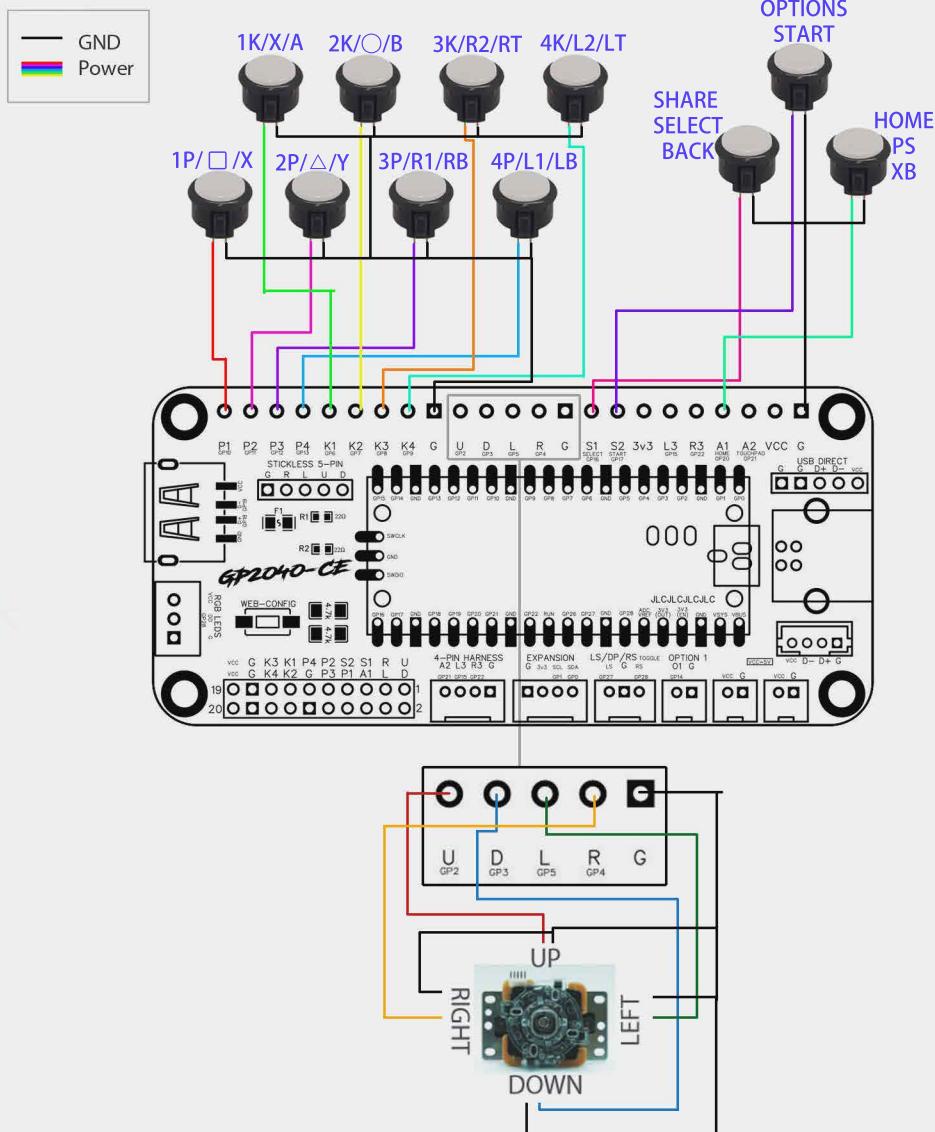


# GP2040-CE

## USER GUIDE

### How to connect Buttons & Lever



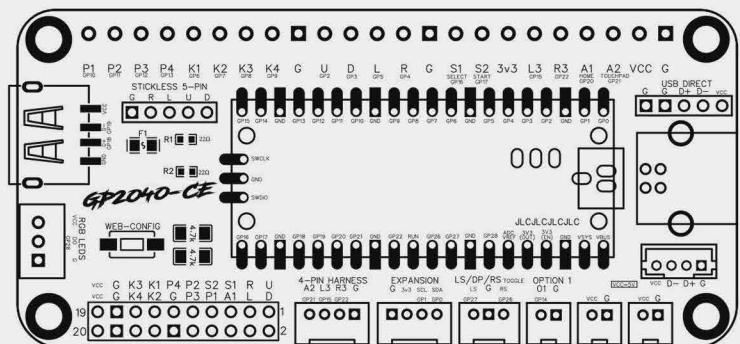
### 20Pin Pinout

19	VCC	GND	3K / R2 / RT	1K / X / A	4P / L1 / LB	2P / △ / Y	START / OPTIONS	SELECT / SHARE / BACK	RIGHT	UP	1
20	4K / L2 / LT	2K / O / B	3P / R1 / RB	1P / □ / X	HOME / PS / XB	LEFT	DOWN				2

# GP2040-CE

## USER GUIDE

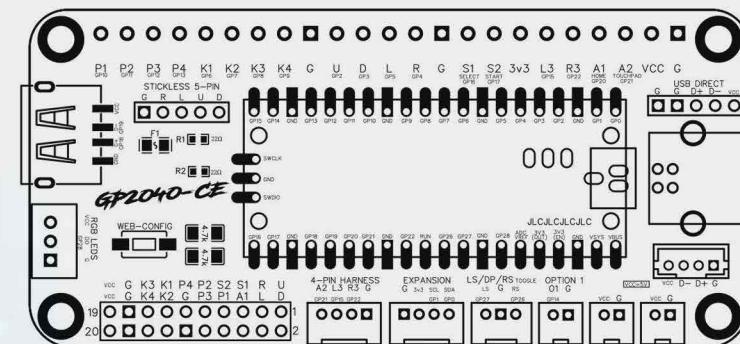
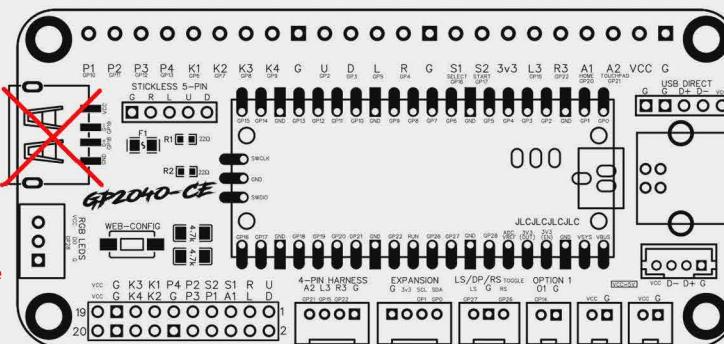
### How connect the Board



USE a USB-B cable to connect the Board to either a console or the PC



DO NOT use the USB-A port on the back to connect the board. Is it NOT meant to connect to a USB Port on a PC or console and could damage the USB Port

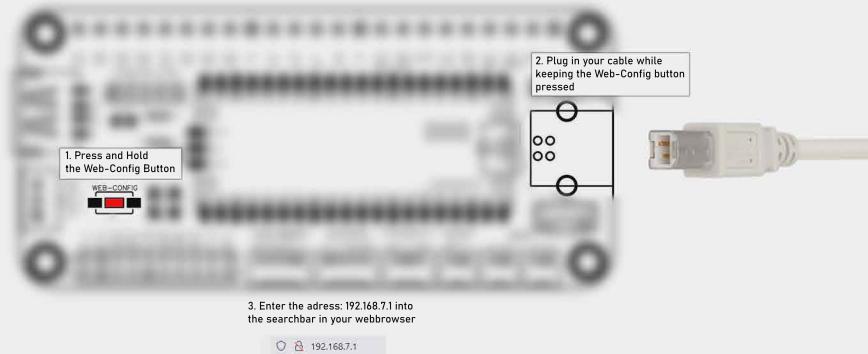


Alternatively the USB DIRECT pins can be used to connect the board

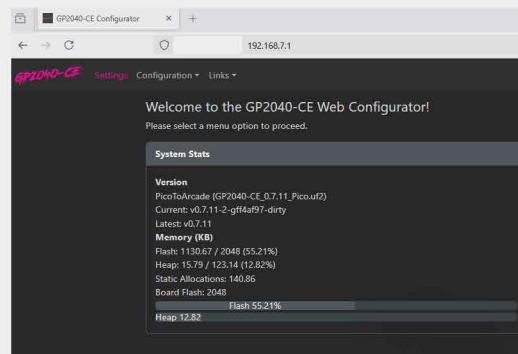
# GP2040-CE

## USER GUIDE

### How to enter Web-Configurator

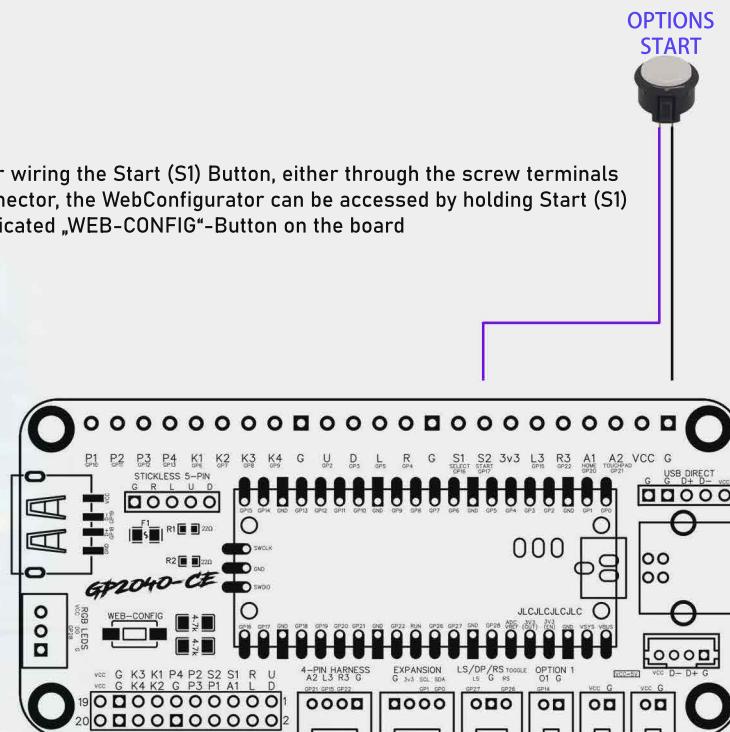


The Webconfigurator can be used to completely reconfigure the board to your needs.  
Pin mappings, OLED functionality, LED configurations and many more things can be customized  
Use the link to the official GP2040-CE Website for more information:



[gp2040-ce.info/web-configurator/](http://gp2040-ce.info/web-configurator/)

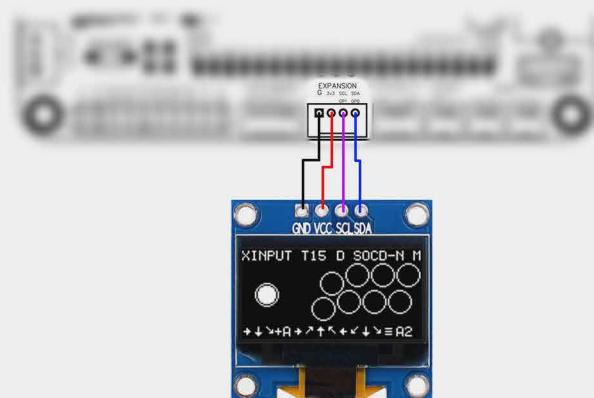
Alternatively, after wiring the Start (S1) Button, either through the screw terminals or the 20-Pin connector, the WebConfigurator can be accessed by holding Start (S1) instead of the dedicated „WEB-CONFIG“-Button on the board



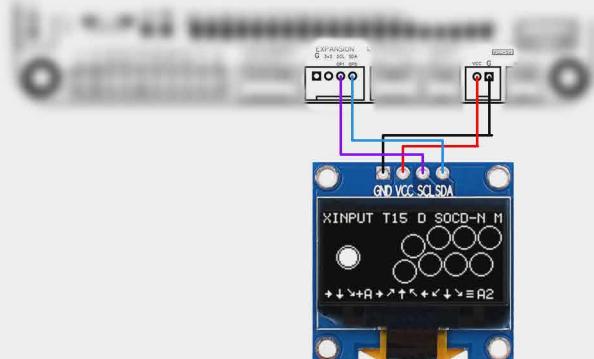
# GP2040-CE

## USER GUIDE

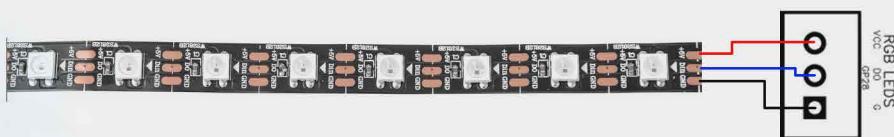
### How to connect OLED Display



When OLED Display is powered by 5V



### How to connect LEDs

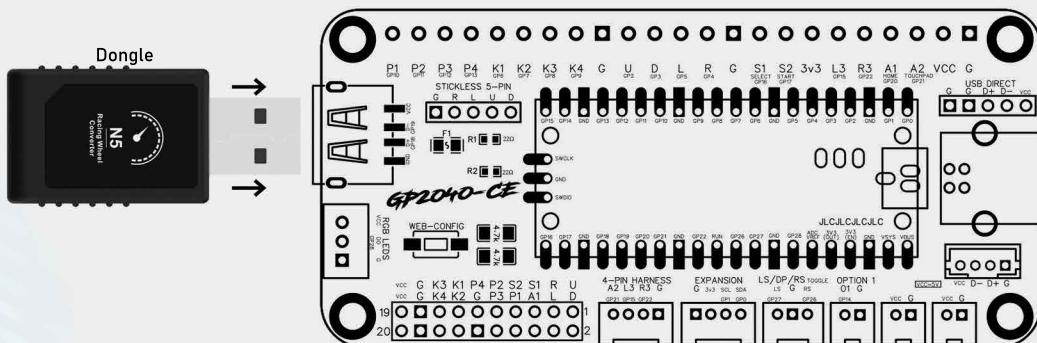


# GP2040-CE

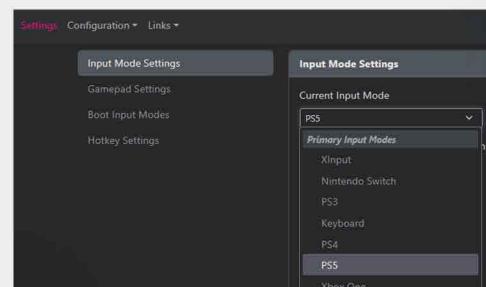
## USER GUIDE

### Playstation5 & Xbox One compatibility

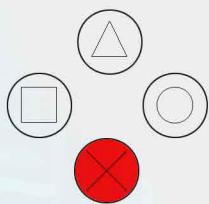
To use the board with a PlayStation 5 or Xbox One, an authentication dongle is required. This dongle enables the board to communicate properly with these consoles.  
Connect a compatible dongle to the "USB-Passthrough" port.



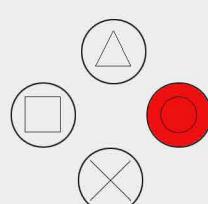
Open the WebConfigurator and go to:  
Settings->Input Mode Setting  
and set the Current Input Mode  
to PS5 or Xbox One



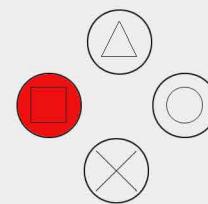
Alternatively you can enter different Input Modes on boot by pressing and holding one of these buttons before plugging the controller in:



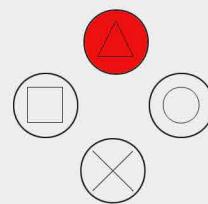
Hold **Cross** to enter  
Nintendo Switch Mode



Hold **Circle** to enter  
XInput Mode



Hold **Square** to enter  
PS3 Mode



Hold **Triangle** to enter  
PS5 Mode

You can change which button enters which Input Mode through the WebConfigurator under Settings -> Boot Input Modes

List of compatible  
dongles



Button name  
translations



# GP2040-CE

## USER GUIDE

### Updating Firmware & General Information

Technical specifications about this board as well as firmware files can be found on the GitHub Page:



[github.com/DaoraDio/PicoToFightstick](https://github.com/DaoraDio/PicoToFightstick)



To flash new firmware, hold the "Bootsel" button and plug it into a PC. First reset the device to factory settings by drag & dropping the "flash\_nuke.uf2" into the directory that opens. Afterwards drag & drop a firmware file, (e.g GP2040-CE\_0.7.10\_PicoToArcade.uf2) into the directory that opens. The new firmware is installed, when the file transfer is completed. **Flashing a new firmware will delete all your custom configurations and settings! Always have backups available!**

GP2040-CE

For more information about the GP2040-CE  
firmware visit the offical website  
[www\\_gp2040-ce.info](http://www_gp2040-ce.info)

Discord



Github

