Pico Fighting Board v1.1 Quick Reference

You're the proud owner of a Pico Fighting Board! But how does your PFB work?

Button Mappings

PFB/Arcad	XInput	Switch	PS3	DInput	GP2040
1P	X	Y	SQUARE	1	B3
2P	Y	X	TRIANGLE	4	B4
3P	RB	R	R1	6	R1
4P	LB	L	L1	5	L1
1K	A	B	CROSS	2	B1
2K	B	A	CIRCLE	3	B2
3K	RT	ZR	R2	8	R2
4K	LT	ZL	L2	7	L2
SELECT	BACK	MINUS	SELECT	9	S1
START	START	PLUS	START	10	S2
LS	LS	LS	L3	11	L3
RS	RS	RS	R3	12	R3
HOME	XBOX	HOME		13	A1
TP		CAPTURE		14	A2

Firmware Updates

The Pico Fighting Board comes preinstalled with the latest GP2040 firmware. If you'd like to update to the latest firmware, perform the following steps:

1. Download the latest version of GP2040 for the Pico Fighting Board from https://github.com/FeralAI/GP2040/releases.
2. Unplug your Pico Fighting Board from the computer.
3. Press and hold the white BOOTSEL button on the Pico while plugging into the computer. Alternatively, if you have a button connected to the reset header you may double press the button quickly to enter flash mode.
4. Copy the GP2040-PicoFightingBoard.uf2 file to the RPI-RP2 drive that appeared when connecting the PFB.
5. Once the update is complete the Pico Fighting Board will restart and again be detected as a controller.

Input Modes

To select input mode, hold one of the following buttons when plugging in your controller:

- **1P** - PS3/DInput
- **1K** - Nintendo Switch
- **2K** - PC/XInput

D-Pad Modes

To select the active d-pad mode, while the controller is plugged in press:

- **SELECT + START + DOWN** - Normal D-pad operation
- **SELECT + START + LEFT** - Left analog stick emulation
- **SELECT + START + RIGHT** - Right analog stick emulation

SOCD Modes

To select the active SOCD mode, while the controller is plugged in press:

- **HOME + START + DOWN** - Neutral (U+D=N, L+R=N)
- **HOME + START + UP** - Up Priority (U+D=U, L+R=N)
- **HOME + START + LEFT** - Last Input Priority

RGB LEDs

The Pico Fighting Board supports WS2812 and similar RGB LEDs. To change LED settings, press:

- **SELECT + START + 1P** - Next Animation
- **SELECT + START + 1K** - Previous Animation
- **SELECT + START + 2P** - Brightness Up
- **SELECT + START + 2K** - Brightness Down
- **SELECT + START + 3P** - LED Parameter Up
- **SELECT + START + 3K** - LED Parameter Down
- **SELECT + START + 4P** - Pressed Parameter Up
- **SELECT + START + 4K** - Pressed Parameter Down

Advanced Configuration

The GP2040 firmware has a built-in configuration app which runs from a local webserver on the Pico. To access the configuration app from a computer:

1. Hold START while plugging the controller into a computer.
2. Open a browser and navigate to http://192.168.7.1

You now have access to adjust controller settings, configure RGB LEDs, reset settings, etc.

Links

Pico Fighting Board - https://github.com/FeralAI/PicoFightingBoard
GP2040 Firmware - https://github.com/FeralAI/GP2040
GP2040 Usage Guide - https://gp2040.info/#/usage

Support

Email feral@feralai.com or join the OpenStick Discord https://discord.gg/KyQCHcjwJ2