



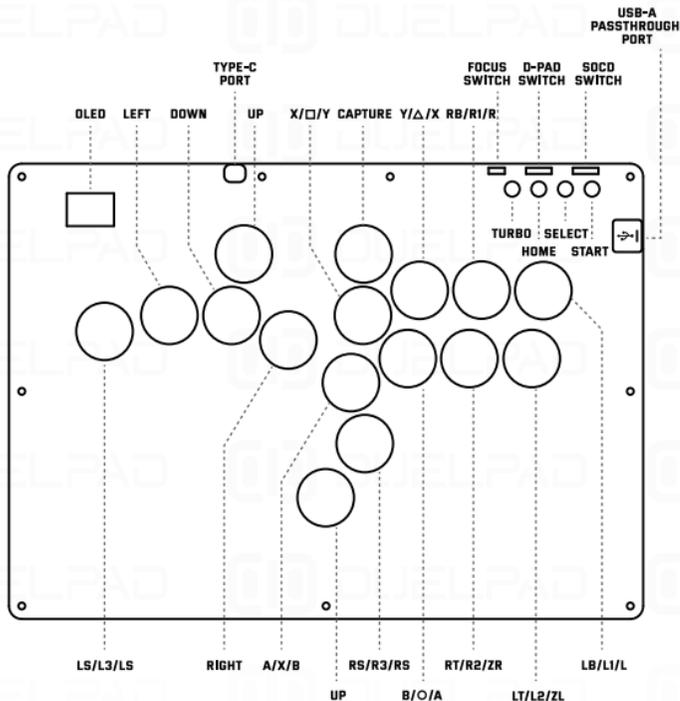
USER MANUAL

A 16

Catalog

Quick Guide	03
Button Mapping	04
Input Modes Settings	06
Focus Modes Settings	07
DPad Modes Settings	08
SOCD Modes Settings	10
RGB LEDs Settings	12
Firmware Updates	17
WebConfig Mode	19
Passthrough Port	20

Quick Guide



Compatible Platform

★ The duelpad requires third-party identity verification devices to be compatible with PS4/PS5/XBox One X/S and Series X/S consoles.

For Playstation

- PS3
- PS4
- PS5 Fighting Games

For Nintendo

- Switch
- Switch OLED
- Switch Lite

For Microsoft

- Xbox Original
- Xbox One X|S
- Xbox Series X|S

For PC

- Windows
- Mac

For Other Platforms

- Steam Deck
- Android
- Mister

For Retro Mini

- MD Mini
- PC Engine Mini
- Egret II Mini
- Genesis Mini
- Neo Geo Mini
- AstroCity Mini
- Playstation Classic
- TurboGrafx 16 Mini

Button Mapping

Every key & button can be freely bound, please refer to www.duelpad.com/support.

Duelpad	Start	Select	Home	Capture	LS	RS	A	B	RT	LT	X	Y	RB	LB
GP2040-CE	S2	S1	A1	A2	L3	R3	B1	B2	R2	L2	B3	B4	R1	L1
Xinput	Start	Back	Guide	/	LS	RS	A	B	RT	LT	X	Y	RB	LB
Switch	+	-	Home	Capture	LS	RS	B	A	ZR	ZL	Y	X	R	L
PS4/PS5	Options	Share	PS	Touchpad	LS	RS	X	O	R2	L2	□	△	R1	L1
PS3	Start	Select	PS	/	LS	RS	X	O	R2	L2	□	△	R1	L1
DInput	Start	Select	PS	/	LS	RS	2	3	8	7	1	4	6	5
Arcade	Start	Coin	Home	/	LS	RS	K1	K2	K3	K4	P1	P2	P3	P4
Keyboard	1	5	9	F2	=	-	Left Shift	Z	X	V	Left Control	Left Alt	Spacebar	C

RP2040

PIN06 PIN05 PIN04 PIN03 PIN02 PIN01 PIN19 PIN24 PIN26 PIN28 PIN18 PIN25 PIN27 PIN29

**Sega Genesis
MegaDrive Mini**

Start Mode / / / / A B C / X Y Z /

**NEOGEO
Mini**

Start Select / / / / B D / / A C / /

**PC Engine
TurboGrafx
16 Mini**

Run Start / / / / 1 2 / / / / / /

**EGRET II
Mini**

Credit Start Menu / / / A B C / D E F /

**ASTROCITY
Mini**

Start Credit / / / / A B C / D E F /

**Playstation
Classic**

Select Start / / / / X O R2 L2 □ △ R1 L1

Input Modes Settings

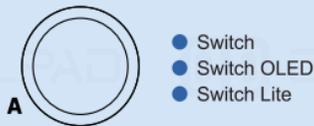
To change input modes, please press and hold down one of the following buttons before power on the game controller.

- * For more information on connecting to the PS5 console, please go to **page 20**. When the controller is connected to the PS4/PS5 console, you need to press the Home button to initialize the controller.
- * There are only six default input modes assigned in the precompiled firmware, see www.duelpad.com/support for more information on input modes (XBox Original&Retro Mini).

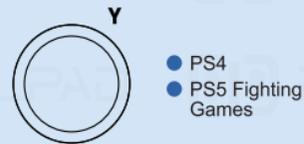
DInput Mode:



Switch Mode:



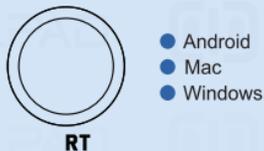
PS4 Mode:



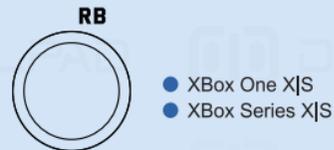
XInput Mode: (Default)



HID-KB Mode: (USB-Keyboard)



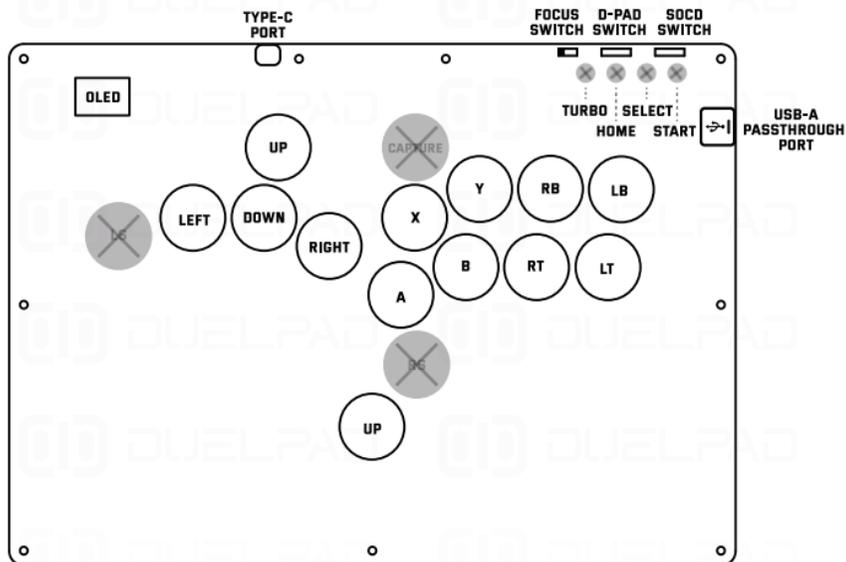
Xbox one Mode:



Focus Modes Settings

Focus Switch

Disable non-essential keys to help you maintain a competitive edge in intense battles.
(You can also customize the disabled keys in the web page configuration)



DPad Modes Settings

To change D-pad modes, Please flip the **Dpad switch**.

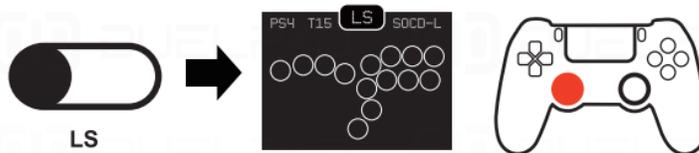
DPad Digital: (Default)

Move the switch to the middle and the direction is read as a digital input on the DPad.



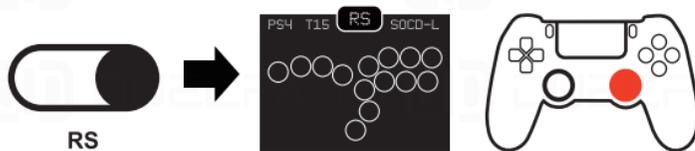
DPad Left Analog:

Move the switch to the Left and the directions is read as s inputs on the Left analog joystick. The directional input is always the minimum, maximum, or zero value on that axis.



DPad Right Analog:

Move the switch to the right and the directions is read as s inputs on the right analog joystick. The directional input is always the minimum, maximum, or zero value on that axis.

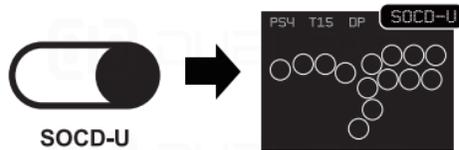


SOCD Modes Settings

To change SOCD modes, Please flip the SOCD switch.

SOCD Up Priority:

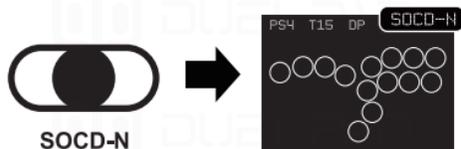
This SOCD cleaning method can resolve to a neutral input (no input) on the X-axis, but prioritize the Up input on the Y-axis when both directions are pressed simultaneously.



1st Input + 2nd Input	Result
Left + Right	Neutral
Right + Left	Neutral
Up + Down	Up
Down + Up	Up

SOCD Neutral: (Default)

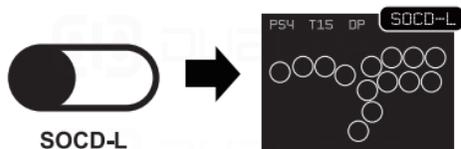
This SOCD cleaning method can resolve to a neutral input (no input) on both the X-axis and Y-axis when both directions are pressed simultaneously.



1st Input + 2nd Input	Result
Left + Right	Neutral
Right + Left	Neutral
Up + Down	Neutral
Down + Up	Neutral

SOCD Last Win:

This SOCD cleaning method can prioritize the second directional input on both the X-axis and Y-axis when both directions are pressed simultaneously.



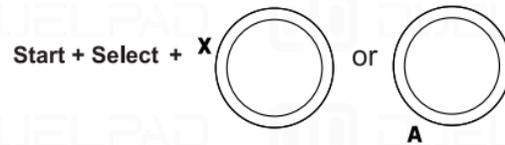
1st Input + 2nd Input	Result
Left + Right	Right
Right + Left	Left
Up + Down	Down
Down + Up	Up

RGB LEDs Settings

To change RGB LED Animations, please hold down **Start + Select** and press one of the following buttons.

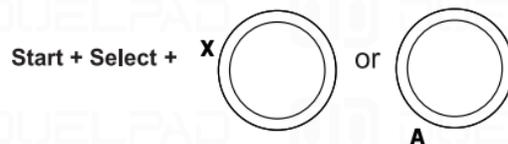
Animation Settings:

To switch between different light animations.



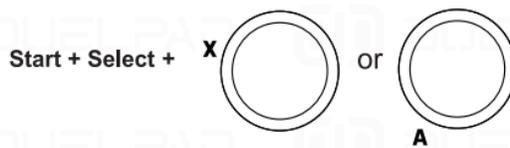
Static Color > Rainbow Cycle > Rainbow (Default) > Static Theme

To switch colors in the Static Color animation.



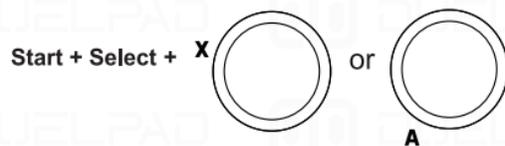
OFF > White > Red (Default) > Orange > Yellow > Lime Green > Green > Seafoam > Aqua
> Sky Blue > Blue > Purple > Pink > Magenta

To switch between animation speeds in the Rainbow Cycle or Rainbow Chase Animations.



Slow  Fast

To switch Color themes in the Static Theme Animations.



Static Rainbow(Default)



Xbox



Xbox (All)



Super Famicom



Super Famicom (All)



PlayStation



PlayStation (All)



Neo Geo Straight



Neo Geo Curved



Neo Geo Modern



Six Button Fighter



Six Button Fighter +



Street Fighter 2



Tekken



Guilty Gear Type-A



Guilty Gear Type-B



Guilty Gear Type-C



Guilty Gear Type-D



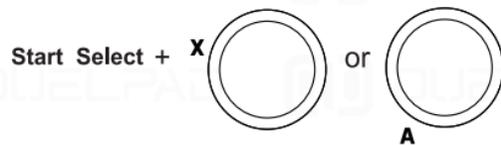
Guilty Gear Type-E



Fightboard

Brightness Adjustment:

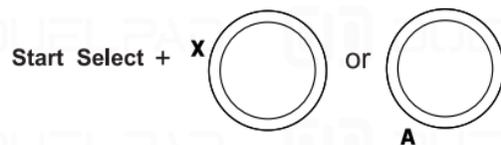
To adjust the brightness of the lights.



OFF > Lowest > Low > Medium > High > Highest

On-press Animations:

To change the colors for the on-press animations.



OFF > White (Default) > Red > Orange > Yellow > Lime Green > Green > Seafoam > Aqua
> Sky Blue > Blue > Purple > Pink > Magenta

Firmware Updates

- 1 Download the latest [GP2040-CE_X.X.X_duelpad.uf2](#) file for the Duelpad from www.duelpad.com/support.
- 2 Unplug your Duelpad. Hold the **Start + Select +Home** button on the duelpad and plug into your computer.
- 3 A new removable drive named RPI-RP2 should appear in your file explorer.
- 4 Drag and drop the compiled firmware (.uf2 file) downloaded in step 1 into the removable drive.
- 5 Wait for the Duelpad to automatically disconnect.

NOTE - If you get the wrong input for your game controller, follow these steps to get the memory completely clear.

Warning - Flash nuking your board wipes all your custom configuration for pin mappings and add-ons.

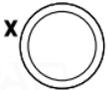
- 1 Download the [flash_nuke.uf2](#) file.
- 2 Unplug your Duelpad. Hold the **Start + Select +Home** button on the duelpad and plug into your computer.
- 3 Drag [flash_nuke.uf2](#) file onto the RPI-RP2 drive.

- 4 ***Wait for the drive to disconnect and reconnect without unplugging***
- 5 Drag your firmware onto the RPI drive and wait for disconnect.
- 6 Check that the controller connects using this gamepad tester and pressing a button.

WebConfig Mode

The Duelpad contains a built-in web-based configuration application, please follow these steps to access the webpages.

Warning-This mode is operational on Windows, Mac, Linux, and SteamOS, but is not compatible with Android and iOS devices currently.

1 Hold the **Start** button when plugging your controller into a PC, or hold the **Start** +  +  buttons for five seconds while the controller is plugged in.

2 Then access <http://192.168.7.1> in a web browser to begin configuration. WebConfig Mode is the state of the board where built-in web browser-based configuration application is launched. From here, you can customize and configure your controller as needed. For more information, refer to www.duelpad.com/support.

Passthrough Port

For PS4, PS5, Xbox One, Xbox Series S, or Xbox Series X compatibility, You can use the console authentication device to plug in the passthrough port for authentication. For more information, refer to www.duelpad.com/support.

Authentication device recommendation:

For PS4/PS5: MagicBoots for ps4 v1.1(Mayflash)

For Xbox One/Xbox Series: Magic-X (Mayflash)

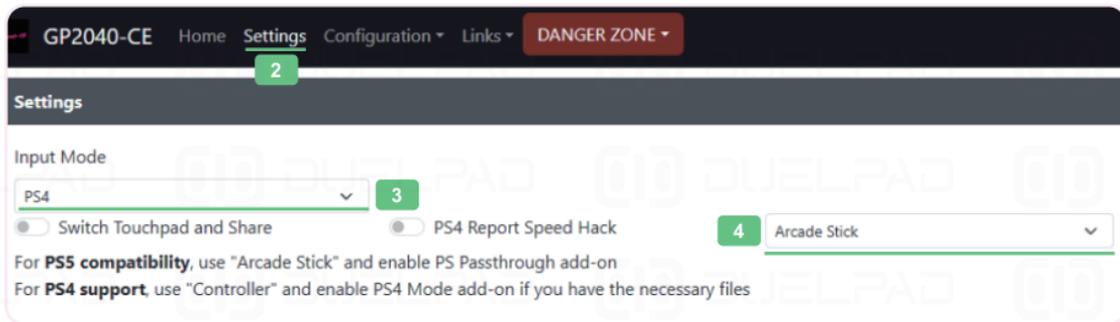
For PS4/Xbox One/Xbox Series Compatibility Settings:

- Plug the authentication device into the passthrough port.
- Connect the game controller to the console.
- Press the **Home** button to initialize the controller.
- The console will recognize the controller.

For PS5 Compatibility Settings:

NOTE-This example uses Mayflash MagicBoots for ps4 v1.1 authentication device.

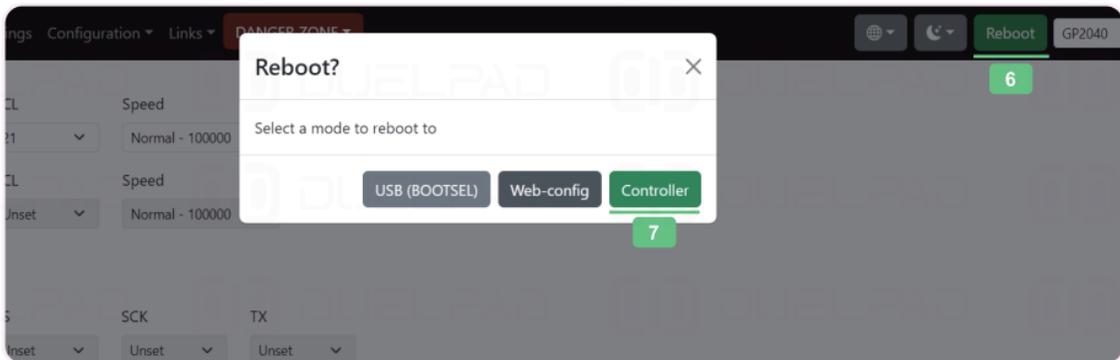
- 1 Follow the instructions on **P18** to enter the web configuration page.
- 2 Click on the **Settings** tab.
- 3 Click on the Input Mode drop-down and select **PS4**.
- 4 Change the Controller drop-down to **Arcade Stick**.



- 5 When finished, scroll to the bottom of the page and click the **Save** button.

6 After completing the above steps, click the **reboot** button in the top right.

7 Select the **Controller** button in the pop-up box, and then the device will restart.



8 In the last step, disconnect the game controller from the PC, plug the authentication device into the passthrough port. Connect the game controller to the PS5 console and press the **Home** button to initialize the controller. The console will recognize the controller. Congratulations! Go to enjoy PS5 fighting games!

www.duelpad.com

© 2024 - duelpad. All Rights Reserved.