290 GP Function Guide

Supports: 290 GP

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V1.21

Conspit R&D

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1. Idle Mode

If the steering wheel buttons, knobs, paddles and other components are not operated, the 290 GP will enter the idle mode, the screen and lighting will dim after 1 minute and turn off after 5 minutes.

The 290 GP can be awakened by operating the control input again or entering the game to receive signals.

2. Driver Software & Functions

2.1 Driver Software Downloads

Visit www.conspit.com, or scan the QR code below to download Conspit Link 2.0.

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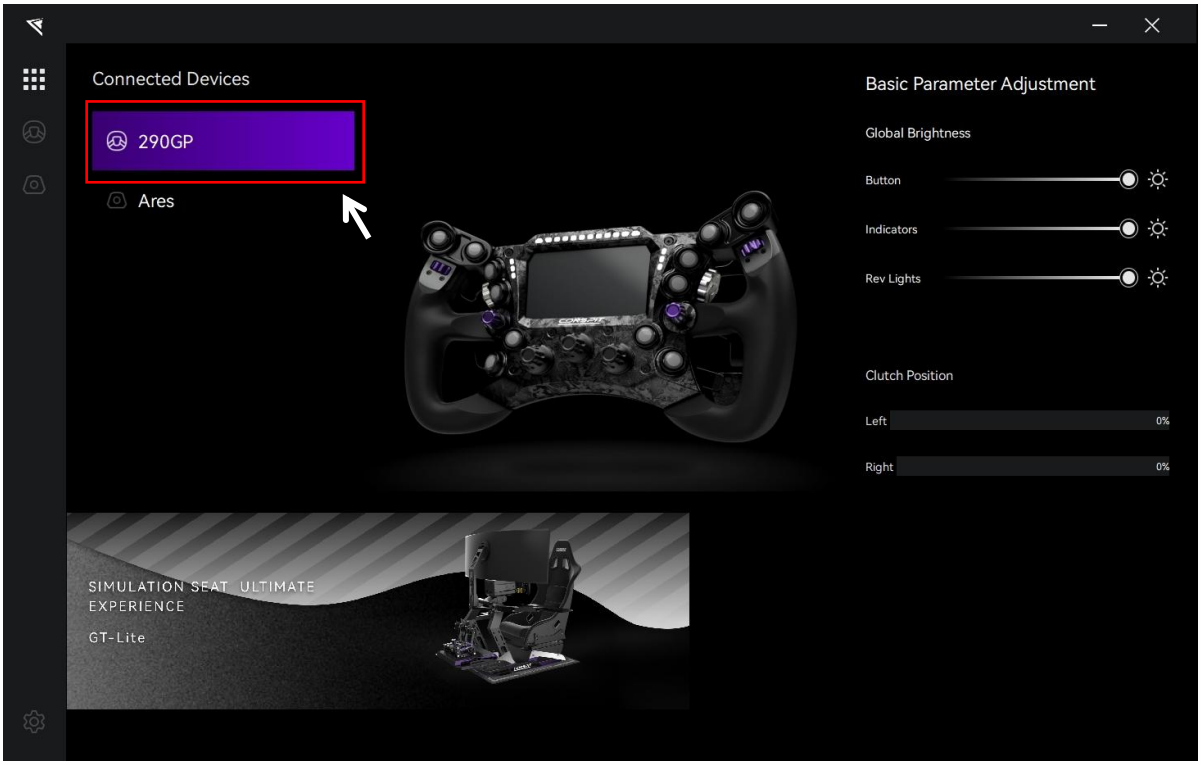
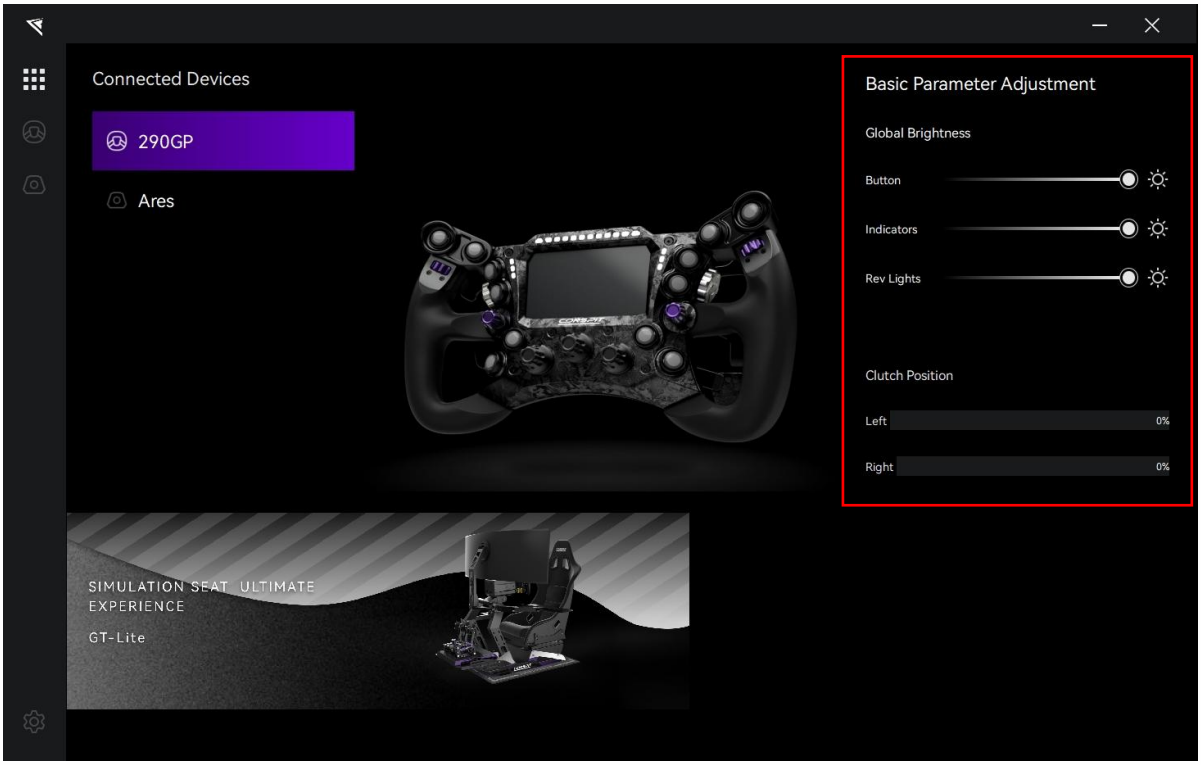
2.2 Homepage

Click to select 290 GP on the homepage.



On the right side of the homepage, you can quickly adjust the light brightness of the device, and check the clutch paddles' travel.



Double-click the device name in the "Connected Devices" list, or click the corresponding icon of the device to enter the detailed settings pages.

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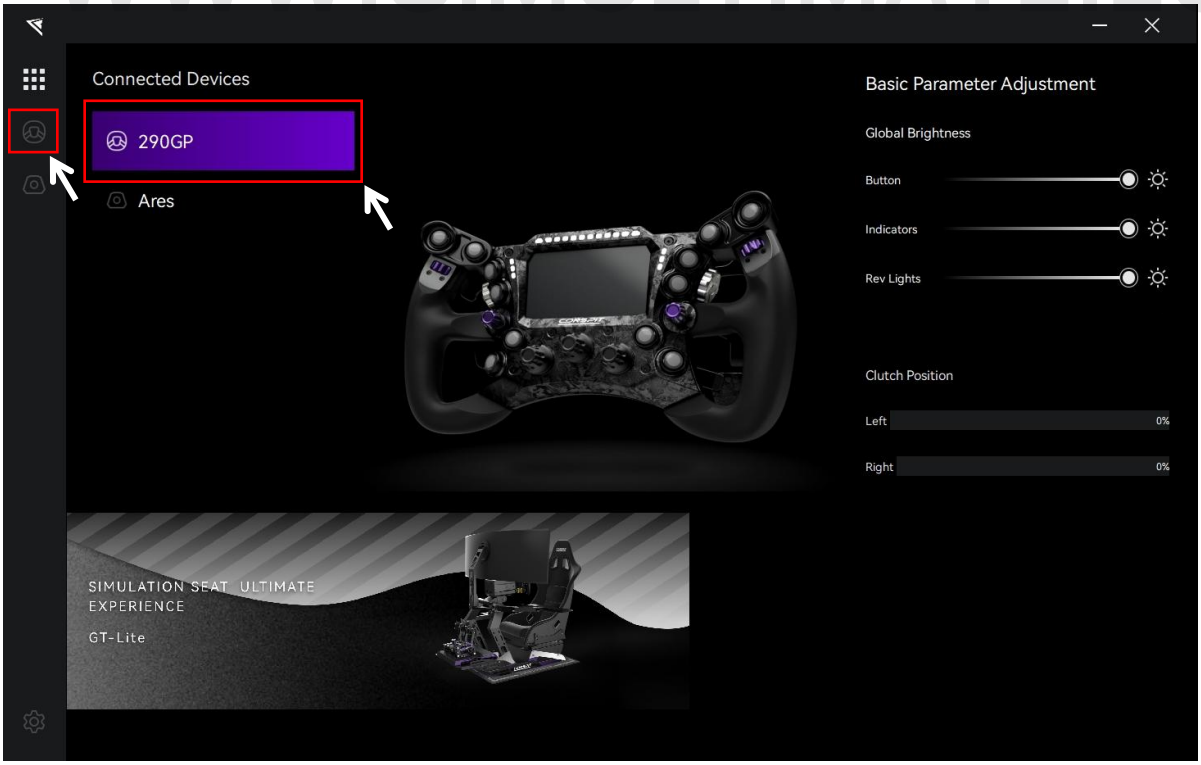
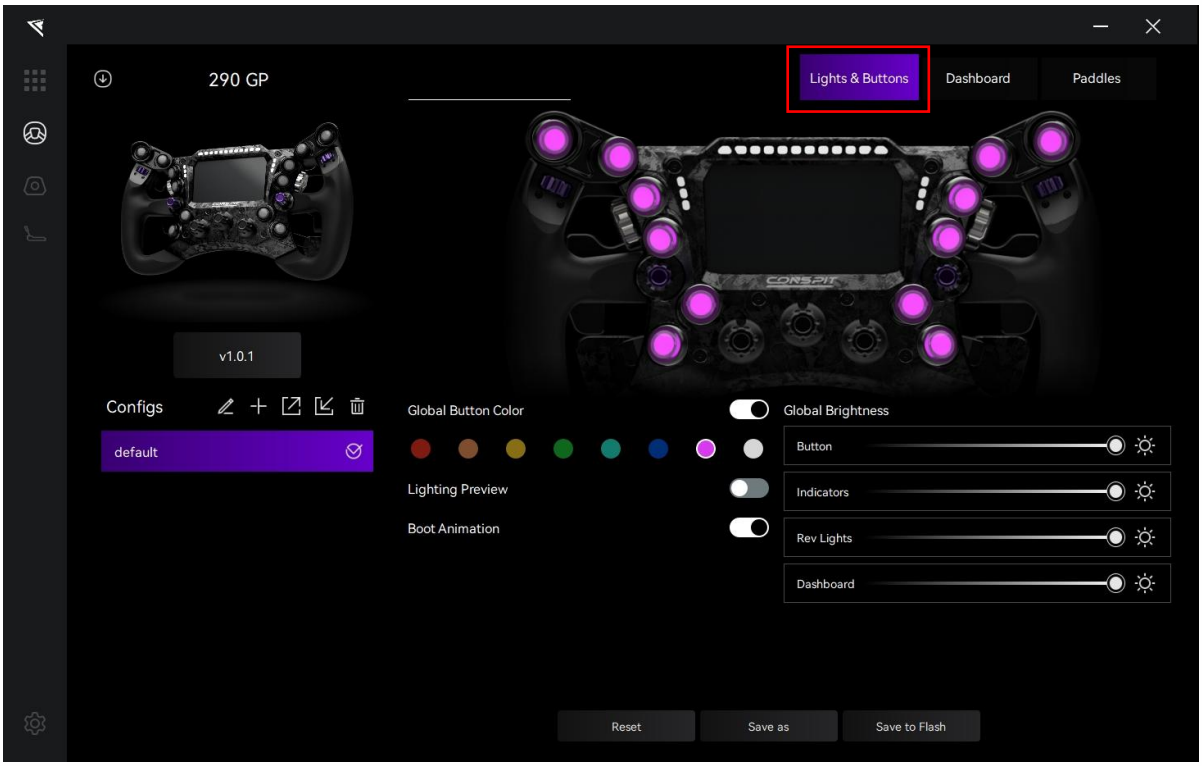


2.3 Lights & Buttons Settings

Click on "Lights & Buttons" in the menu bar to enter the lights & buttons settings interface.



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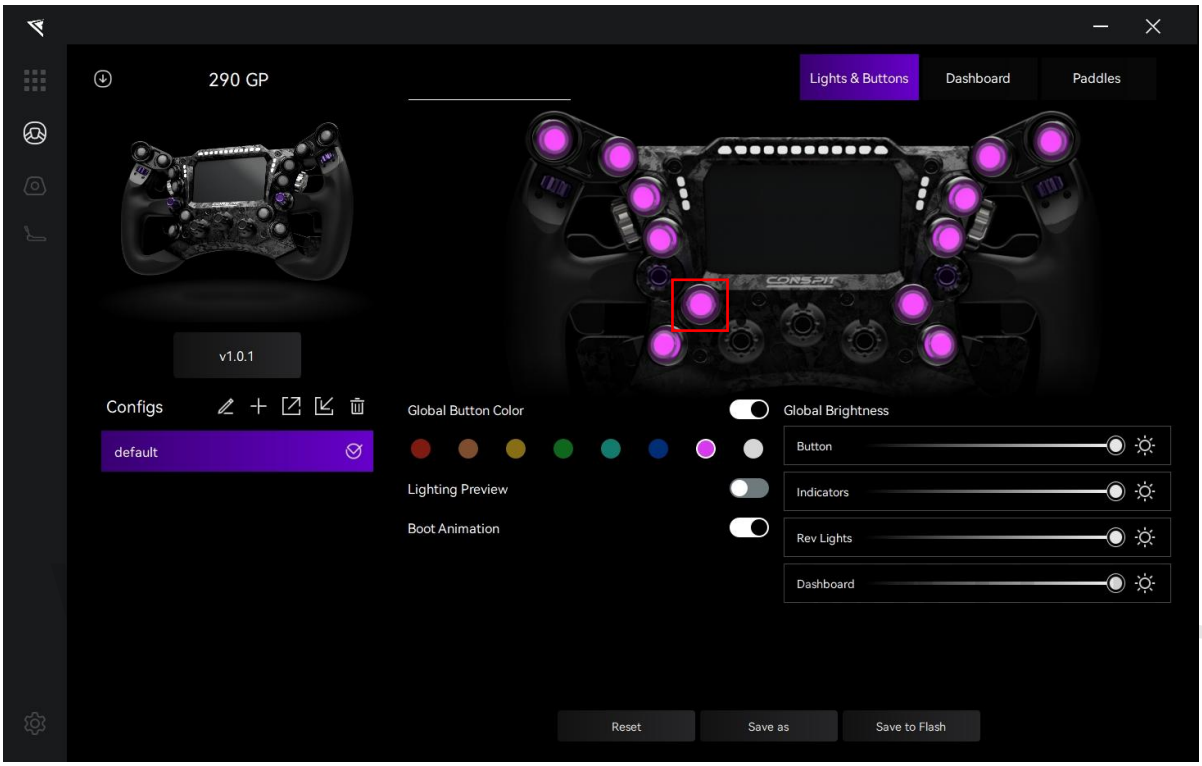
Configs:

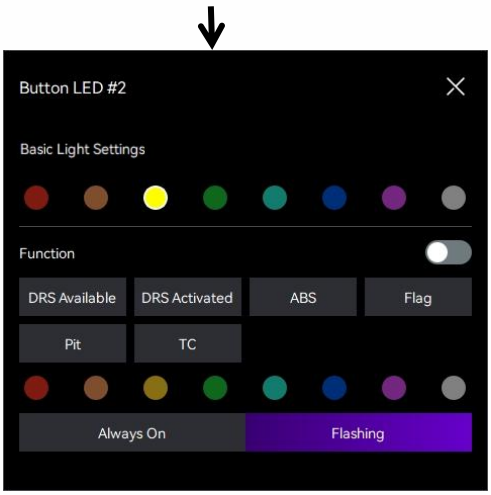
In each setting page, in the "Config" section at the bottom left, you can select, rename, add, export, import, or delete configs. If you need to customize the settings, please create a new config, click “Save” after setting is completed, or modify the official default config and click "Save as".

Buttons Lights Settings:

When setting the light for a single button, you first need to turn off the "Global Button Color" option.

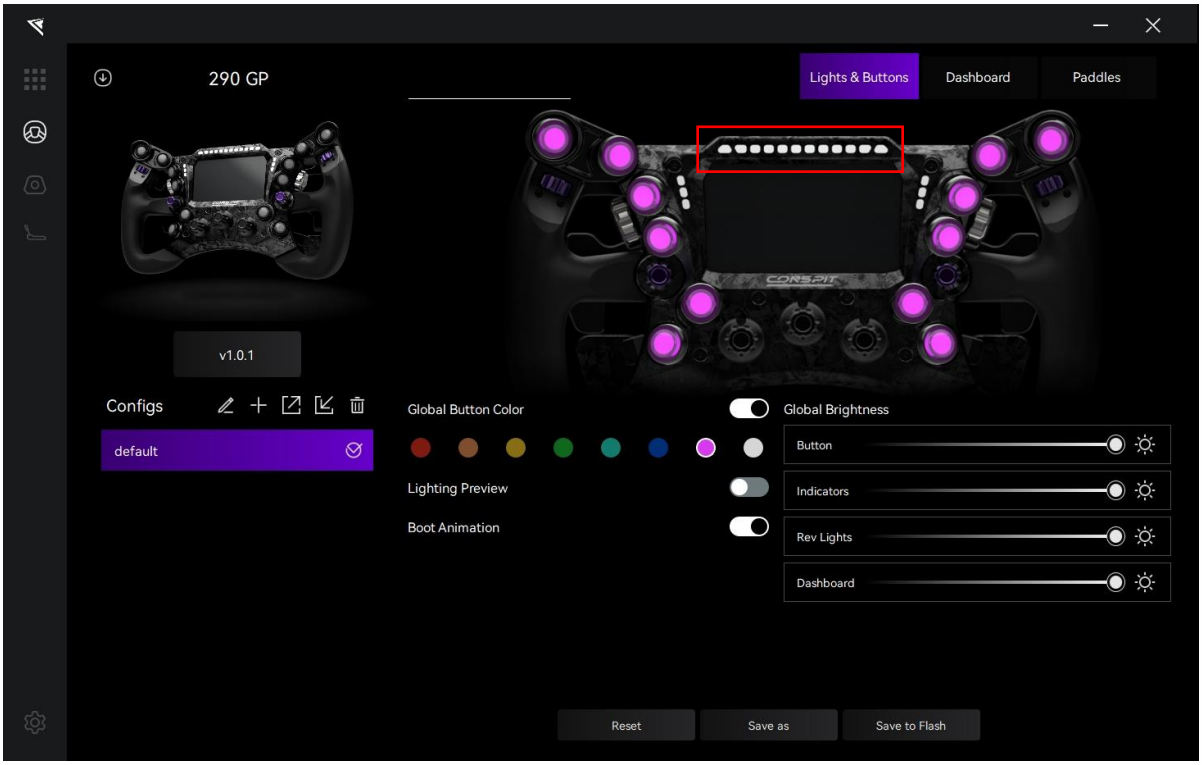
Click on an individual button on the ops-panel to enter the corresponding settings interface for each button.

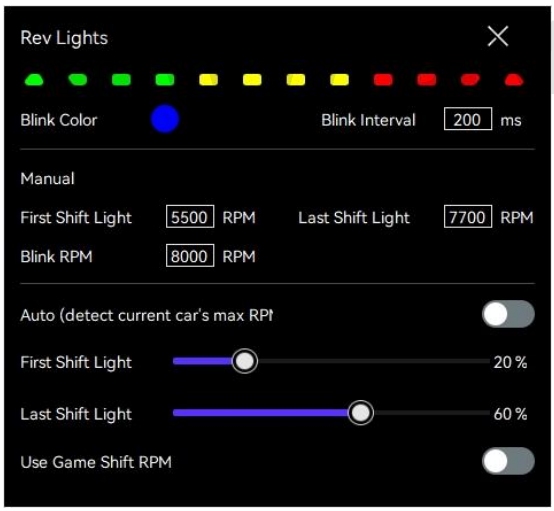




Shift Lights Settings:

Click on the RPM rev lights on the panel to enter the settings interface for shift lights.





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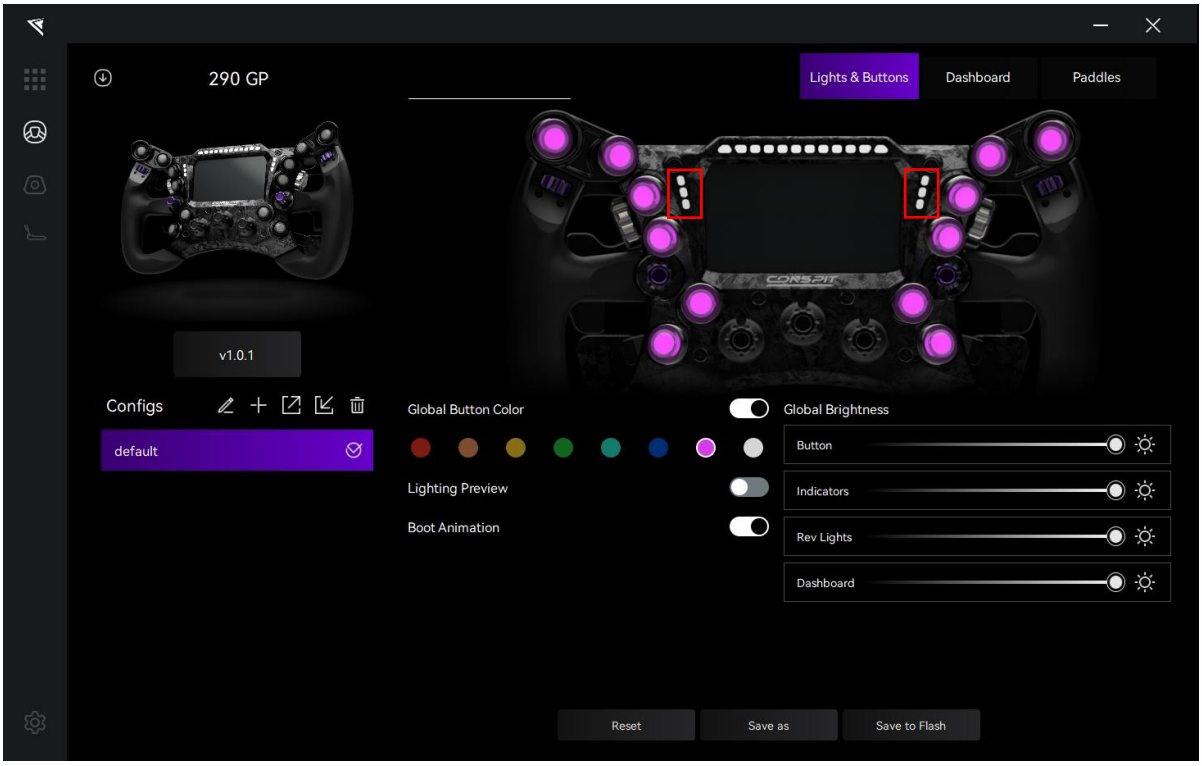
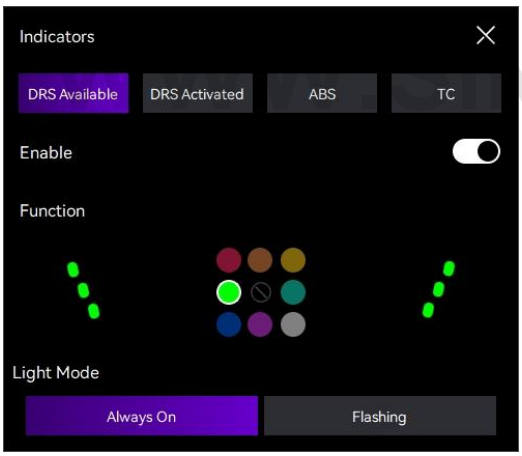
Indicators Settings:

Click on the indicators on the panel to enter the settings interface for indicators.





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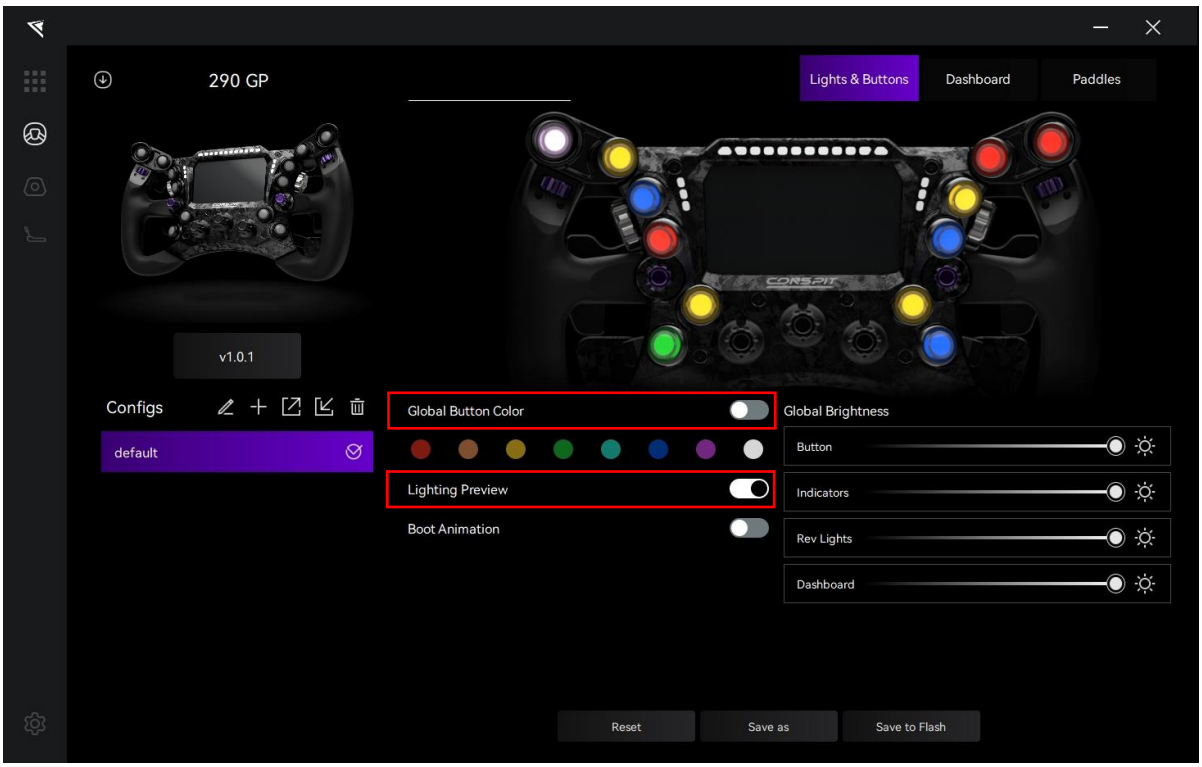
Lighting Preview:

After the settings are completed, enable "Lighting Preview" to preview the lights you just set (while keeping the "Global Button Color" option turned off).



Global Brightness Adjustment:

Adjust the brightness of the lights and screen in the "Global Brightness" section (Note: The adjustment of the dashboard's brightness requires clicking "Save to Flash" to see the effect).

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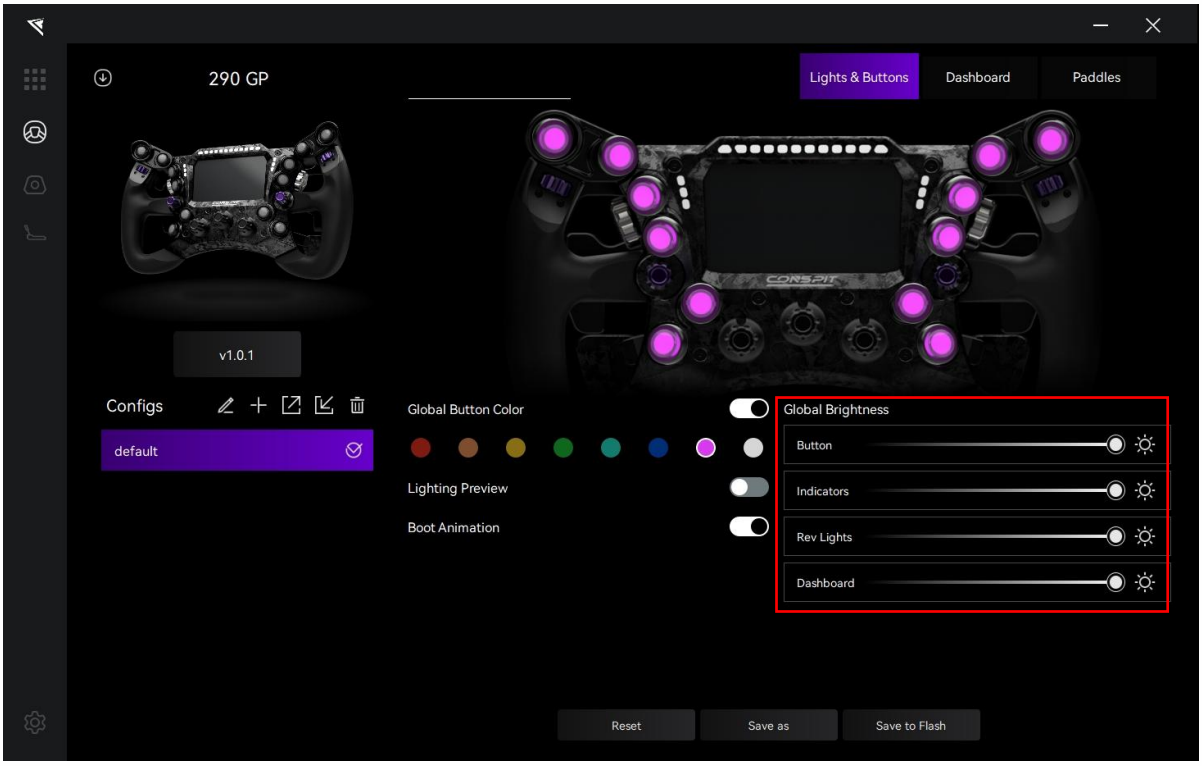
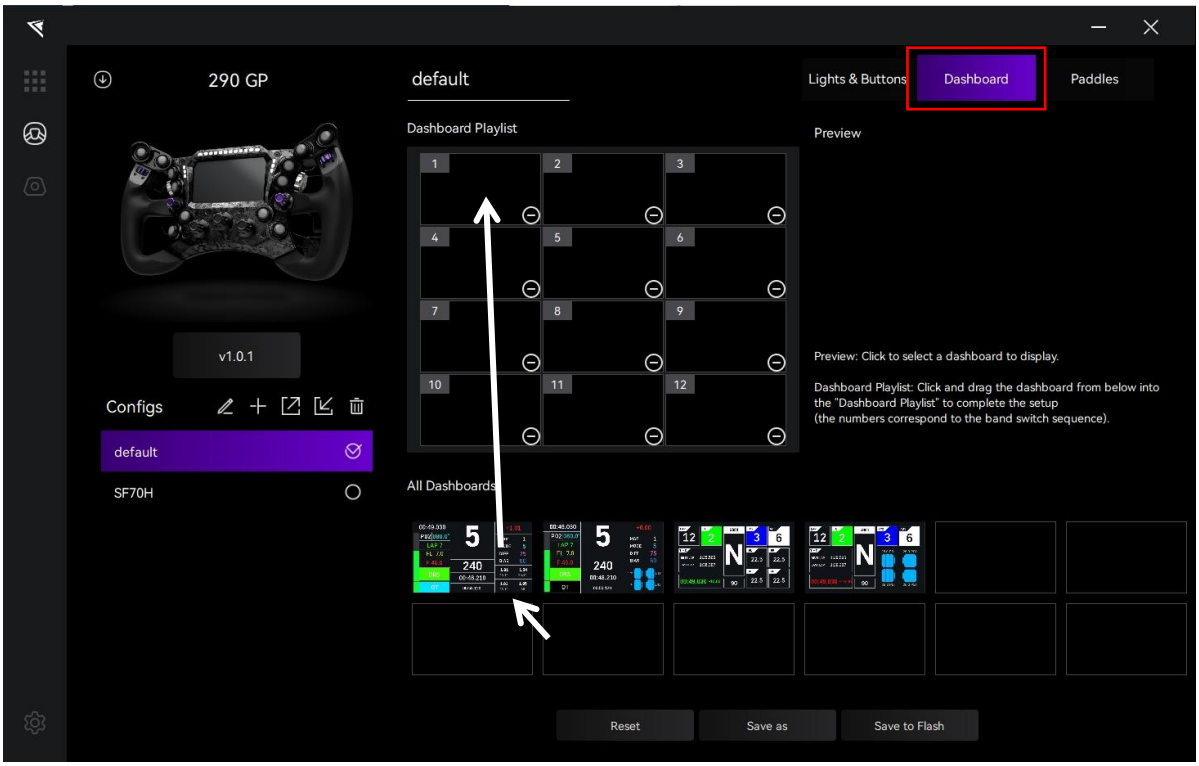


2.4 Dashboard Settings

Click on "Dashboard" in the menu bar to enter the dashboard settings interface.

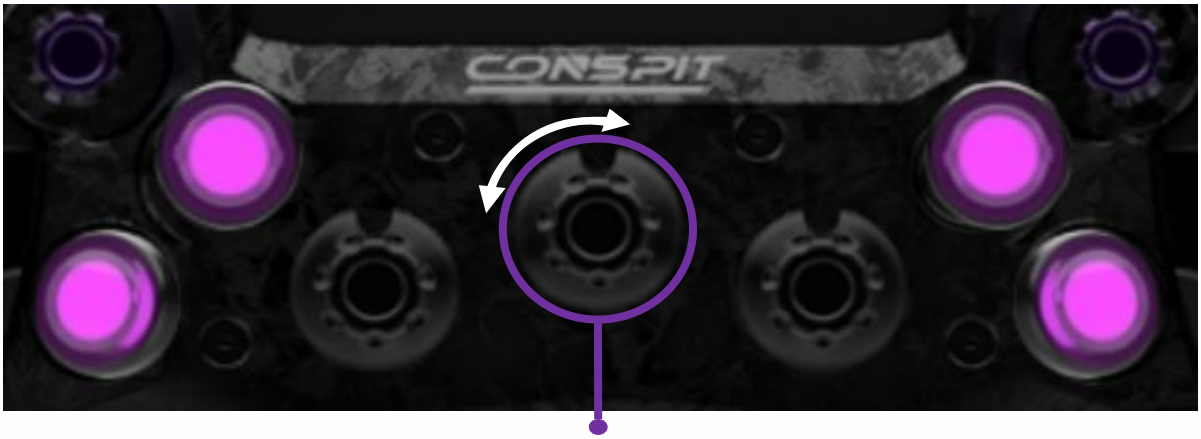


Set up and switch instruments:

Preview: Click to select a dashboard to display.

Dashboard Playlist: Click and drag the dashboard from below into the "Dashboard Playlist" to complete the setup. (the numbers correspond to the band switch sequence).

Rotate the rotary switch knob in the center of the steering wheel to switch the dashboard display, as shown in the picture below:



Instrument display switching knob

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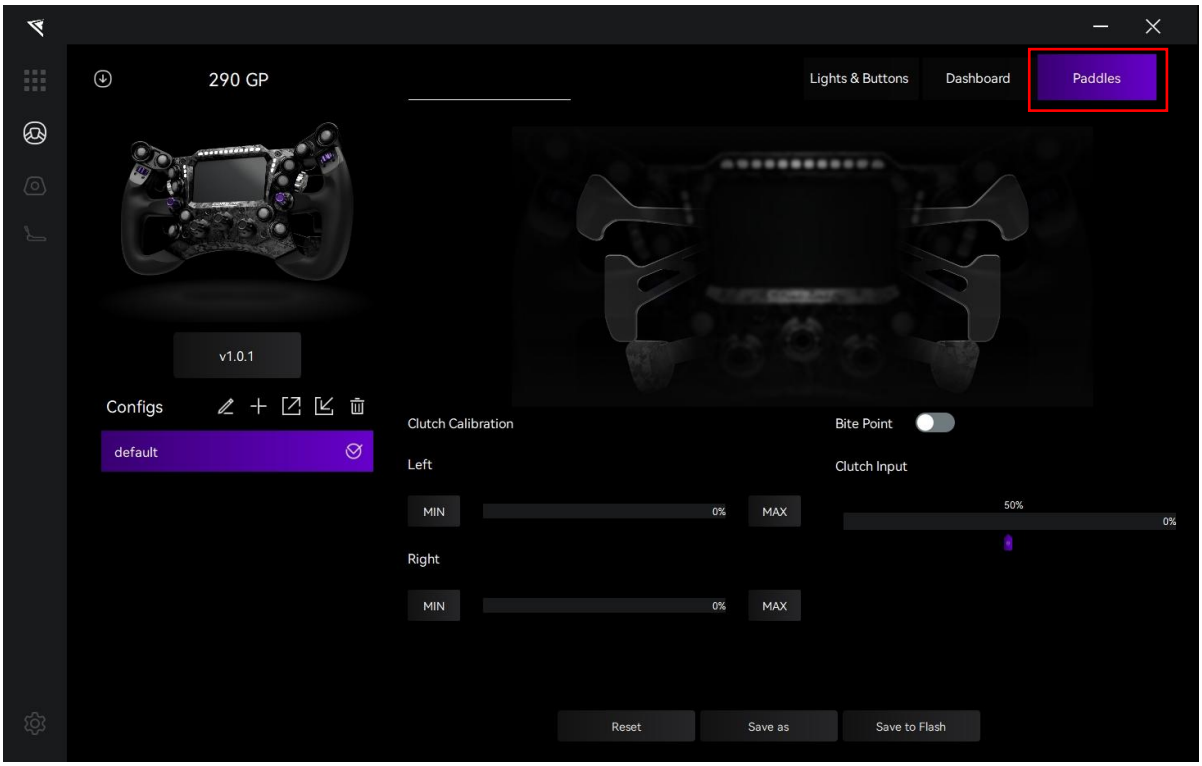
2.5 Paddles Settings

Click on "Paddles" in the menu bar to enter the paddles settings interface.



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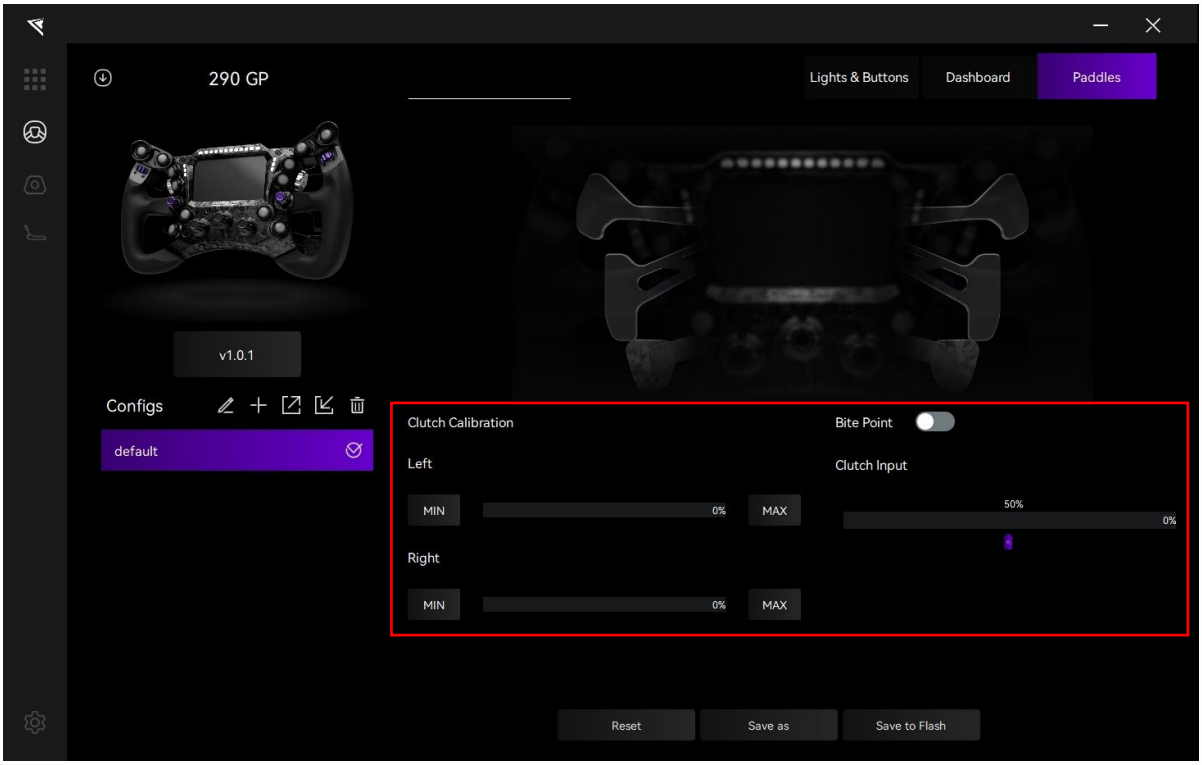
Paddle Shift Response Display:

Press the rocker-type paddle shifter group and check the response on the screen. Upon pressing, the corresponding paddle should be highlighted with a purple outline in the driving software.

The bottom section of the page is for clutch calibration. This product is designed with a dual-clutch system. The "Clutch Input" on the right side takes the maximum value of the left and right clutches, which is the actual input.



Calibrate the left and right clutch paddles separately:

Click "MIN" to calibrate the minimum value when the paddle is completely released.

Click "MAX" to calibrate the maximum value when the paddle is fully pressed.

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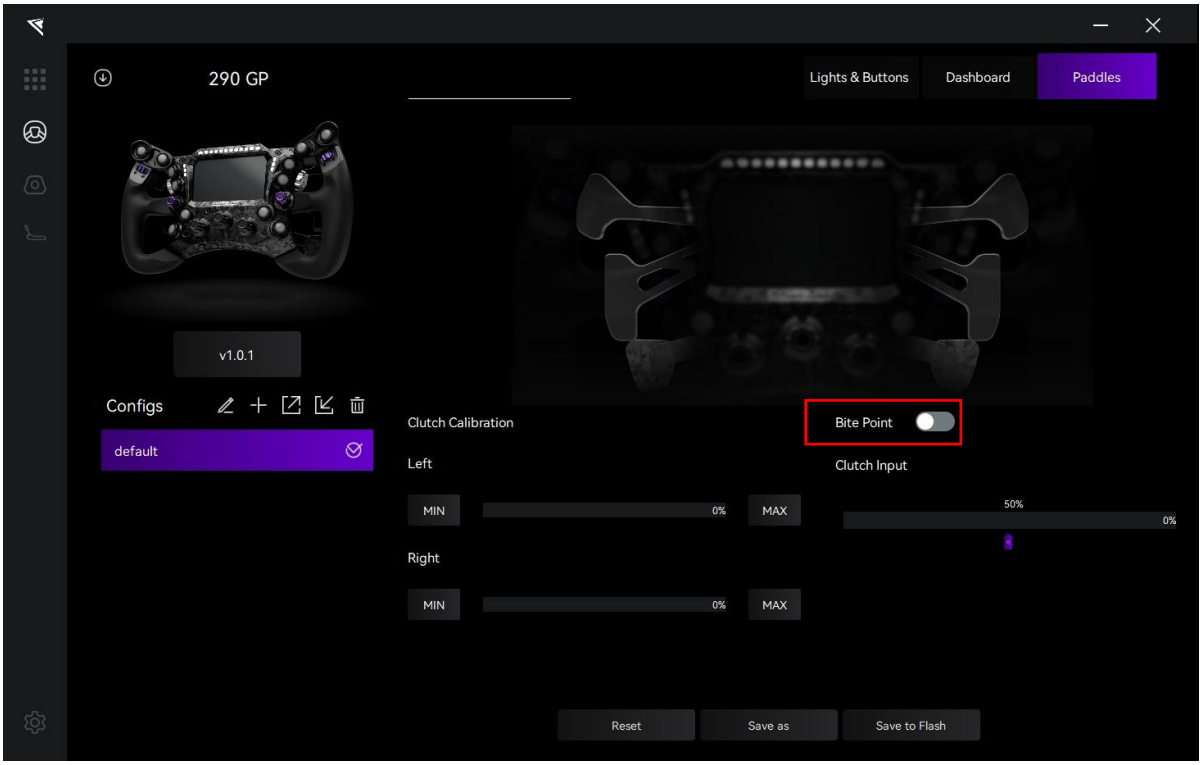
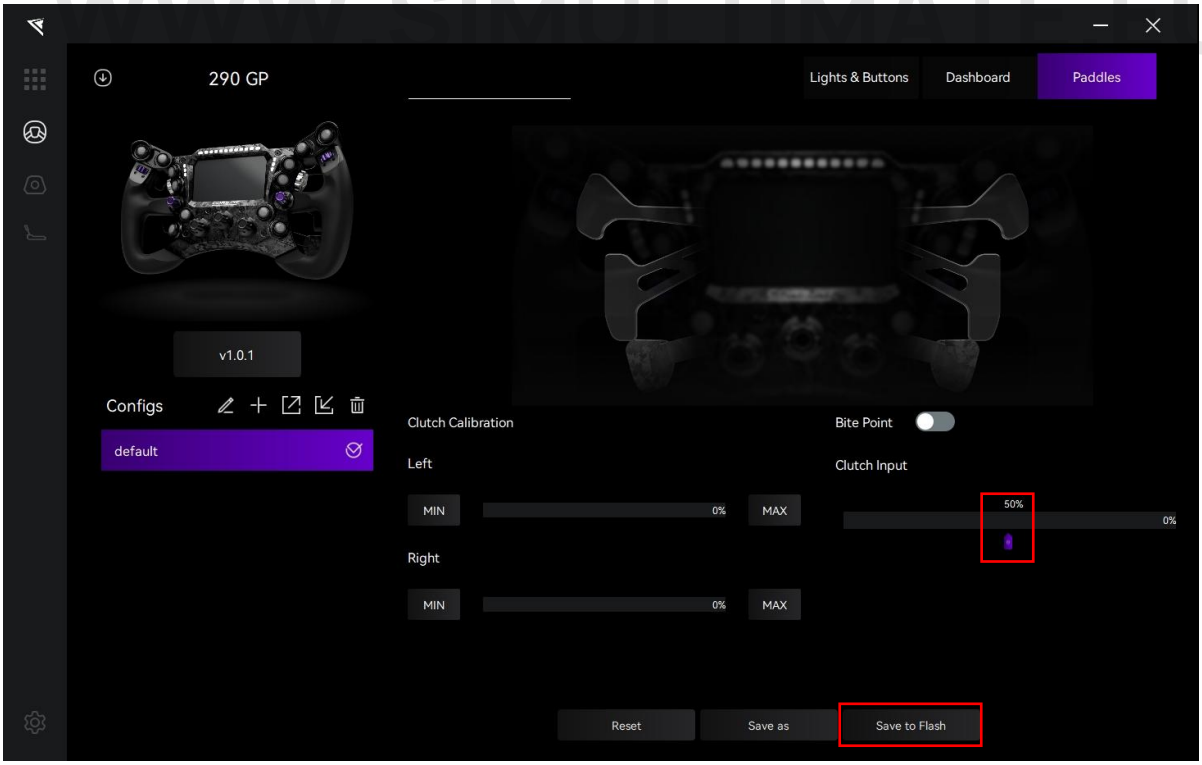
Clutch Bite Point Settings

Click to turn on the “Bite Point” to adjust the clutch bite point.



Drag the purple slider located below the "Clutch Input" display section to adjust the bite point.

(Note: Adjustments to the clutch bite point will only be visible after clicking "Save to Flash".)



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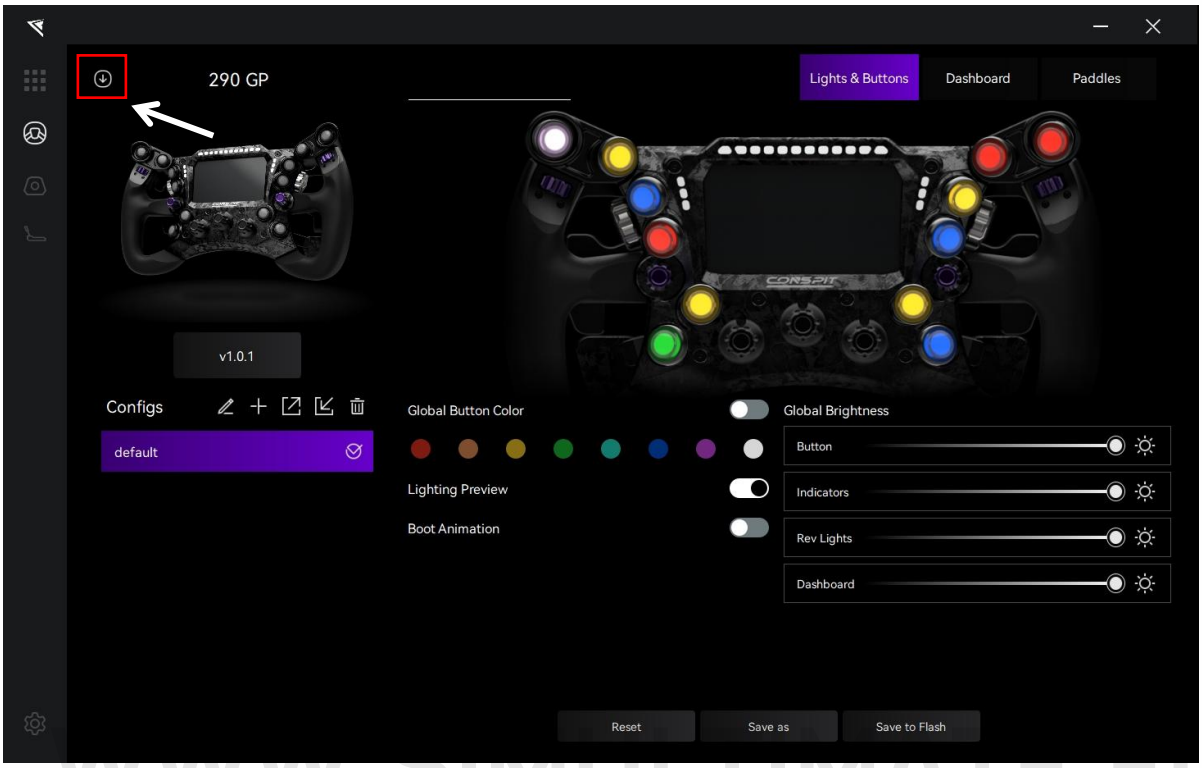
2.6 Firmware Update

Visit www.conspit.com to download the firmware for the corresponding product;

Enter the detailed settings pages and click the "↓" symbol in the top left corner to update.



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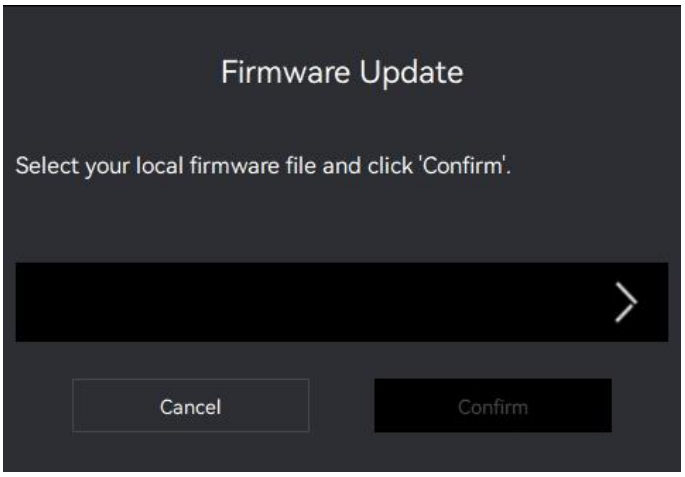


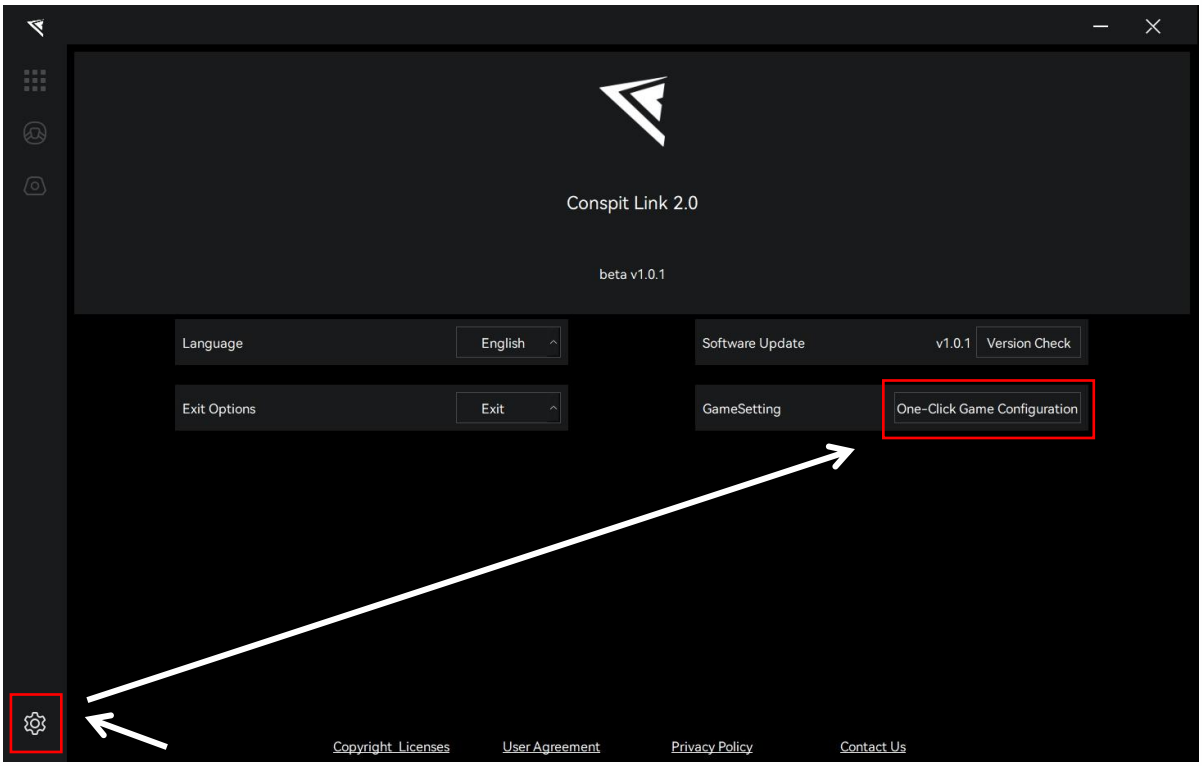
Click the ">" button on the right side of the pop-up window to select the firmware you have downloaded for the corresponding product; then click “Confirm” to update the firmware.

Note:

1) If the progress bar gets stuck, please unplug and replug the USB cable and try again.

2.7 One-Click Game Configuration

Click on the "Settings" icon in the bottom left corner to enter the driver settings interface, and click on "One-click Game Configuration" to configure.



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3. Games' Telemetry List

Games	Settings
Assetto Corsa	No need to set up
Assetto Corsa Competizione	No need to set up
iRacing	No need to set up
F1 Series	Enter the game, modify the settings, enable UDP, set the port to 20777. Do not enable broadcast mode.
Automobilista 2	No need to set up
Race Room	No need to set up
rFactor 2	One-click configuration is required within Conspit Link 2.0, Enable telemetry plugin in the game settings.
Le Mans Ultimate	One-click configuration is required within Conspit Link 2.0
Dirt Rally 2.0	One-click configuration is required within Conspit Link 2.0
Forza Horizon 5	Enter the game, modify the settings, enable UDP, and set the port to 20777.

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4. Troubleshooting Guide

I. What to Do If the Steering Wheel Is Not Recognized in the Driver?

1) Ensure that the steering wheel is properly connected to the computer via a USB cable or CDP quick release.

2) Press Win+R on the keyboard to open the Run dialog, enter "joy.cpl" and hit Enter to access the Game Controllers page. Check if there is a device named "CONSPIT 290 GP".

3) If the device is present but the steering wheel is still not recognized in the driver, please check if the driver is up-to-date. If it is the latest version but the steering wheel is still not recognized, please contact customer service.

4) If the device is not present, try re-plugging the USB cable/CDP quick release. For users with CONSPIT Ares base and CDP quick release, please ensure the base's indicator light is green, as the steering wheel will only be powered correctly in this state.

5) For users connecting the steering wheel with a CDP quick release, if the base's indicator light is green but the steering wheel still cannot be detected in the Game Controllers after multiple re-plugging attempts, please unscrew the connecting screws between the steering wheel and the quick release, and check the connection between the quick release's data cable and the steering wheel.

II. What to Do If the Clutch Paddle Doesn't Respond or Isn't Responsive? What to Do If the Clutch Bite Point Switch Isn't Working?

1) Go to the paddle settings page in the driver and calibrate the clutch paddle (note: wait for the spinning to complete in the driver after each click of MIN or MAX).

2) Changes to the clutch bite point switch and bite point values in the driver require clicking "Save" or "Save to Flash" to take effect.

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III. What to Do If Dragging the Steering Wheel Doesn't Change the Screen Brightness?

1) Changes to the steering wheel screen brightness in the driver require clicking "Save" or "Save to Flash" to take effect.

IV. What to Do If the RPM Rev Lights Don't Respond and the Screen Doesn't Change in the Game?

1) Ensure the driver software is up-to-date and running during gameplay.

2) Check the telemetry support list in the game. For games not on the list, please wait for driver software updates.

V. What to Do If the Game Lights Change But the Screen on the Steering Wheel Doesn't Show Data Changes?

1) Check the "Dashboard Playlist" in the dashboard settings page of the driver. If the middle band switch on the current steering wheel is not in a slot with a display in the list (the first position is when the band switch opening faces directly up, with 1-12 positions arranged clockwise), the screen will not display telemetry data. Place any display into the empty slot of this position and click "Save" or "Save to Flash" to display screen data normally.

2) To avoid this issue recurring after driver restart, it is recommended to put a display in each slot of the "Dashboard Playlist" and click the "Save" button in the driver.

VI. Why Does the Boot Animation Still Appear After Turning It Off in the Driver?

1) Switching the "Boot Animation" toggle requires clicking the "Save" button in the driver to apply the change to the steering wheel program. The next time you connect, there will only be a brief logo display without lighting effects.

VII. What to Do If the Left and Right Thumb Wheels Don't Register Input on the First Turn or Fail to Register Input During Reciprocating Single-Step Rotation?

1) Adjust the initial position of the thumb wheels, then re-power the steering wheel to automatically repair and enable normal use.

VIII. Why Does Modifying Light Color, Brightness, or Pressing Buttons/Paddles on the Steering Wheel Not Respond in the Driver, and No Prompts Appear?

1) Press Win+R on the keyboard to open the Run dialog, enter "joy.cpl" and hit Enter to access the Game Controllers page. Check if there is a device named "CONSPIT 290 GP".

2) Double-click the device or click "Properties" in the lower-right corner to enter the "Test" page. If no buttons or axes are displayed on this page, please contact customer service.

IX. Why Does the Screen on the Steering Wheel Display When Flags Appear, But the Indicator Lights Don't Light Up the Corresponding Colors?

1) The display priority of the indicator lights gives telemetry conditions precedence over flags. Therefore, when a flag appears on the track and you trigger a telemetry condition (e.g., DRS available), the indicator lights will display the color corresponding to that condition.

2) To avoid this, you can disable the "DRS Available" and "DRS Activated" telemetry functions that appear relatively frequently in the indicator light settings page.

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X. The Steering Wheel RPM Rev Lights and Screen Don't Change When Playing rFactor2, Le Mans Ultimate, or F1 24, But They Work Normally in AC and ACC. What to Do?

1) Ensure the driver software is up-to-date and running during gameplay.

2) Check the telemetry support list and telemetry adaptation operation guide (to be made) for the game, and follow the instructions to enable the steering wheel to function normally in supported games.

XI. What to Do If the RPM Rev Lights on the Steering Wheel Don't Match Those in the Game?

1) Put the vehicle in Neutral in the game, slowly press the throttle, observe the first and last rev lights on the in-game vehicle, as well as the flashing RPM value, and then enter the driver to modify these three values to improve the match between the rev lights on the steering wheel and those in the game.

2) You can also enable the "Auto" mode in the rev light settings and quickly adjust the rev light behavior by modifying the percentage of the RPM values corresponding to the rev light nodes relative to the maximum RPM of the in-game vehicle.

3) Alternatively, enable the "Use Game Shift RPM" toggle to let the driver automatically recognize the in-game vehicle and RPM data to modify the rev lights on the steering wheel (currently supported in some games, continuous optimization in progress).

XII. Why Does the Telemetry Function of the Button Lights Not Work Properly When Corresponding Conditions Are Triggered in the Game?

1) Check the button color settings under the "Function" column for the button lights. If no button color is selected, the button lights will be off when the condition is triggered.

2) If the function selected for the button is "TC" or "ABS", triggering these conditions in the game may cause the button lights to flash before switching to the set color, or sometimes the color change and flashing may not be observable. It is recommended to use the "Constant On" display mode for these conditions in certain games, as the high frequency of triggering and non-triggering state switches for TC and ABS will also create a flashing effect.
3) The "Flags" function in the button lights settings' function column is currently undefined and under development, and will be optimized or modified in the future.

XIII. The driver software shows that the 290 GP is connected, but the lights cannot be set normally, and the operation buttons, paddles, and knobs do not respond. The data on the screen is also incorrect and stuck. What should I do?
1) If this problem occurs, please contact CONSPIT official customer service.

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5. Revision History

Date	Version	Release Notes
2024.11.15	V1.21	Revised the image series for the homepage.
2024.09.03	V1.2	Idle mode introduction added.
2024.09.02	V1.1	First release

6. Disclaimer and Copyright Notice

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