POKORNYI ENGINEERING

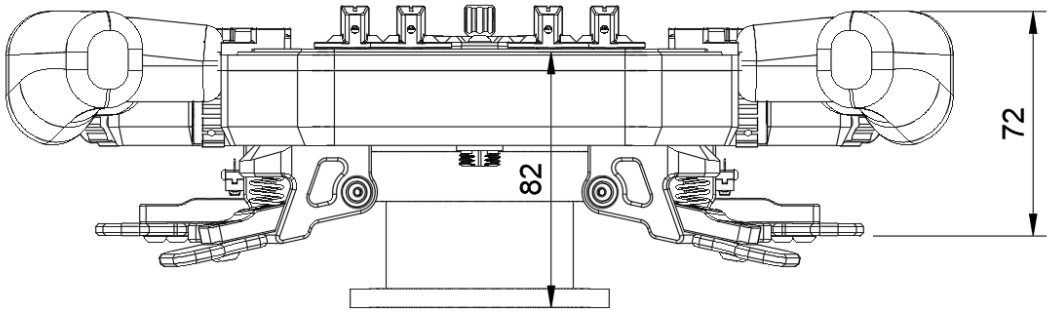
GTE PRO V3

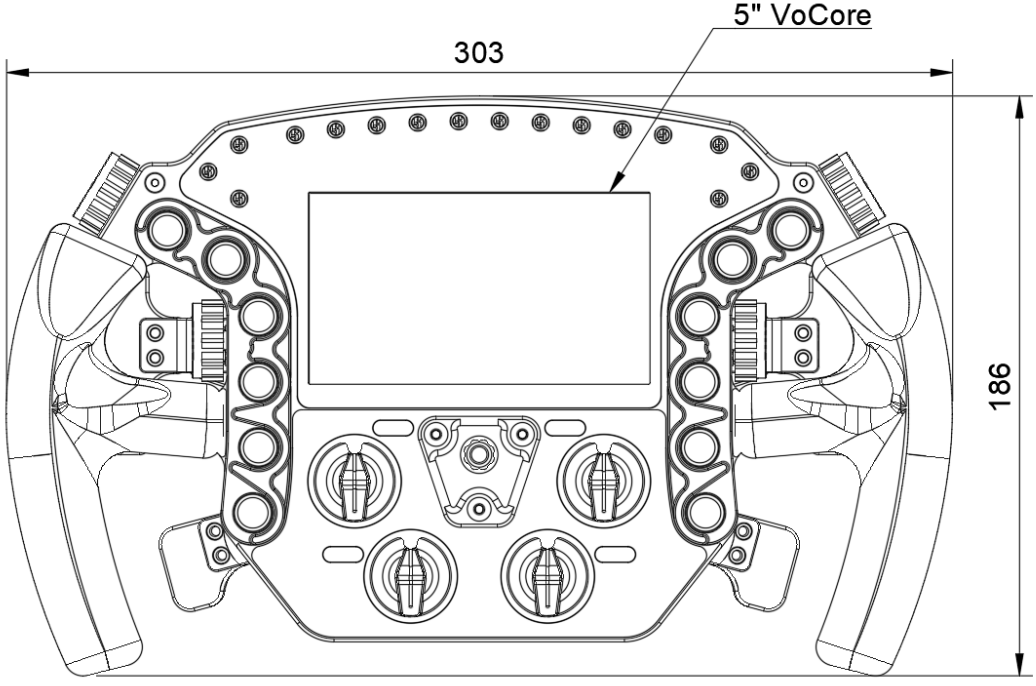
User Manual

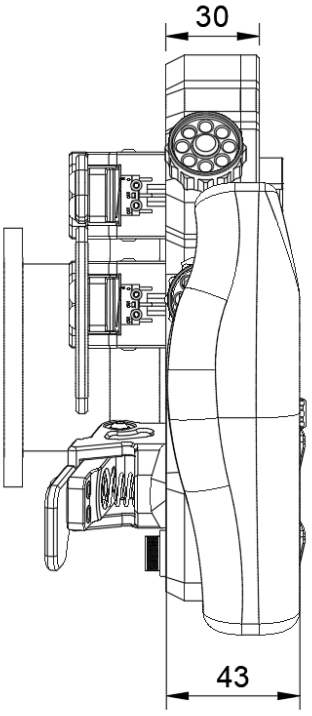
V4.1

Dimensions

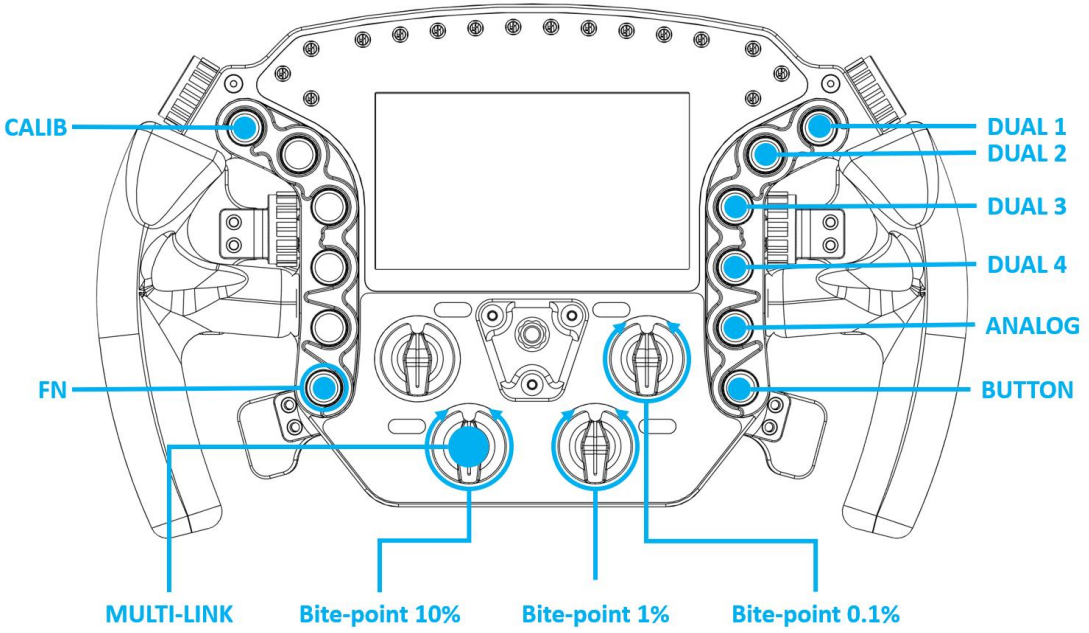
All dimensions in mm.







Interface



FN key

The **FN** (function) key (**BUTTON 6**) is a button/encoder modifier key that works like a Shift key to activate a second function on a dual-purpose button or encoder. The FN key is used to control hardware functions such as clutch mode selection or bitepoint adjustment.

The secondary functions (marked blue) can be accessed by **holding the FN button**.

MULTI-LINK

The wheel features a **virtual multi-link rotary encoder**, allowing you to control multiple parameters (e.g. volume, brightness, or other settings) with a single knob.

1. **Rotate** the encoder to increase or decrease the selected value.
2. **Press and rotate** the encoder to switch between adjustable properties.

The currently selected property (position) is shown on **Input 43–58**, which can also be mirrored on any compatible dashboard for real-time feedback.

Analog modes

The analog clutch paddles have 3 different modes:

DUAL-CLUTCH	The clutch paddles are working as a single analog axis with bitepoint adjustment. There are 4 different DUAL-CLUTCH modes (D1, D2, D3, D4) that work the same way but can store 4 different bitepoints.
ANALOG	The clutch paddles are working as 2 separate analog inputs.
BUTTON	The clutch paddles are working as momentary buttons.

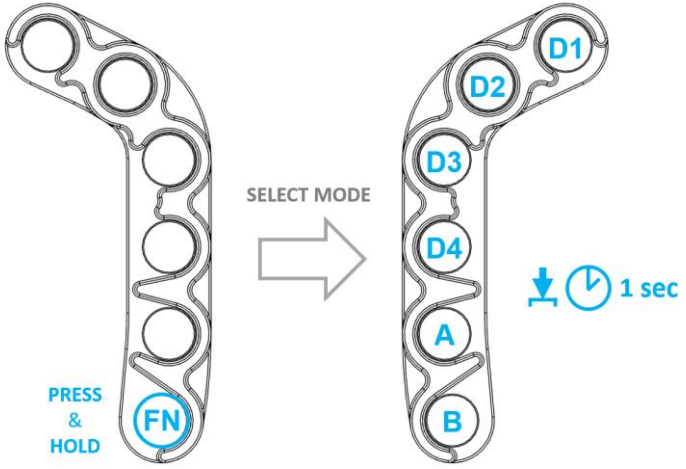
Modes can be switched **by pressing and holding the FN button** and then **pressing the desired mode** for **1 sec**: **D1, D2, D3, D4** – DUAL-CLUTCH; **A** – ANALOG; **B** – BUTTON.

BITEPOINT adjustment:

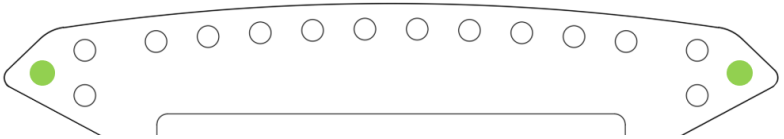
The bitepoint in the ***DUAL-CLUTCH*** modes can be adjusted by **pressing and holding the FN button** and using the front encoders shown in the interface graphics.

The bite-point value is displayed on the 3rd axis in the game controller.

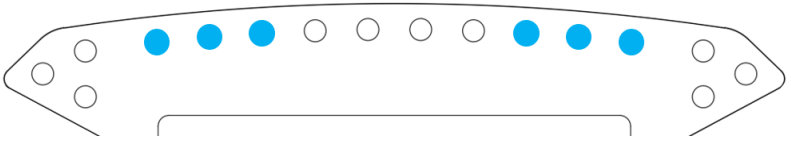
When the mode is successfully changed, the LEDs indicate the newly selected mode with a specific pattern and color, which you can see on the next page.



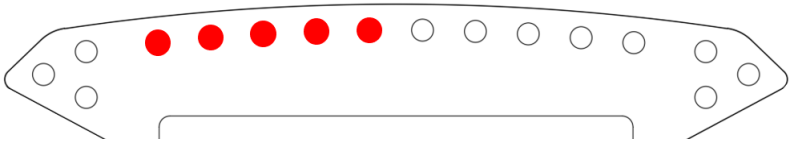
Button Mode



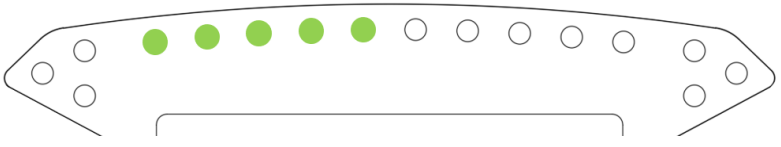
Analog Mode



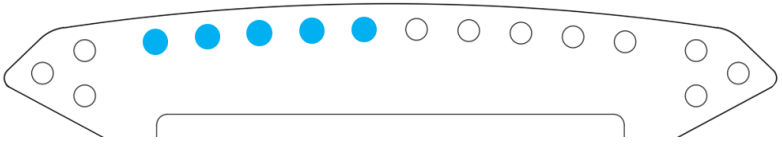
Dual Clutch Mode 1



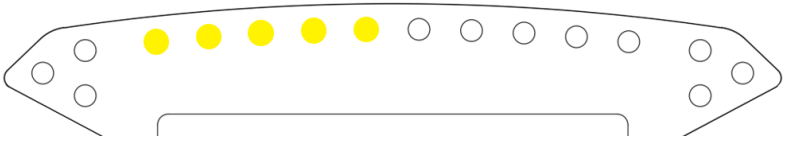
Dual Clutch Mode 2



Dual Clutch Mode 3



Dual Clutch Mode 4



The number of LEDs in DUAL-CLUTCH modes indicates the current bitepoint value in the selected preset.

Analog calibration

Before using the analog clutch paddles, calibration might be required.

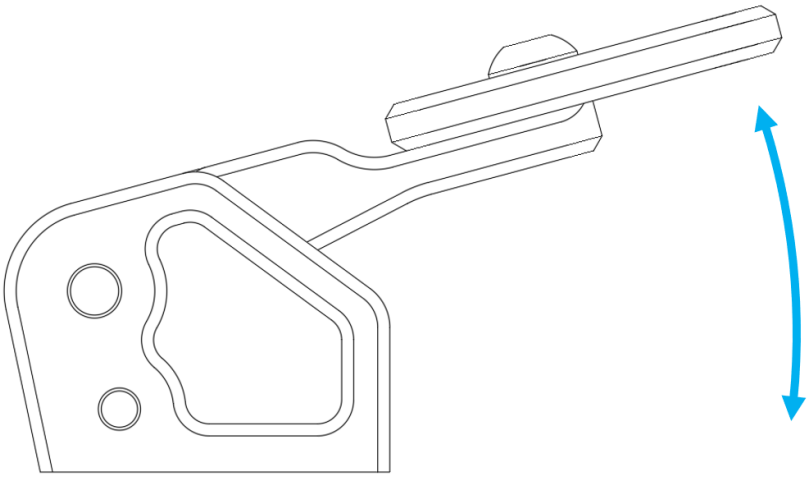
Before starting calibration, it's recommended to switch to (separate) ANALOG mode by pressing and holding the **FN** button and pressing the **A** button. To check the analog values of the wheel, open the Windows Game Controller panel, select the wheel, and click "Properties". Here you can check the analog values after calibration.

Enter Calibration Mode by **pressing and holding the FN and the CAL button** at the same time for **5 sec**. LEDs will start flashing blue when entering Calibration Mode. Buttons can now be released.

Press and release both analog paddles fully 3-5 times.

The paddle moved first will become the MASTER channel.

After that, press and hold the FN button and press the CAL button once again to exit Calibration Mode. By exiting Calibration Mode, LEDs will stop flashing and the new calibration values will be saved.



SimHub Configuration

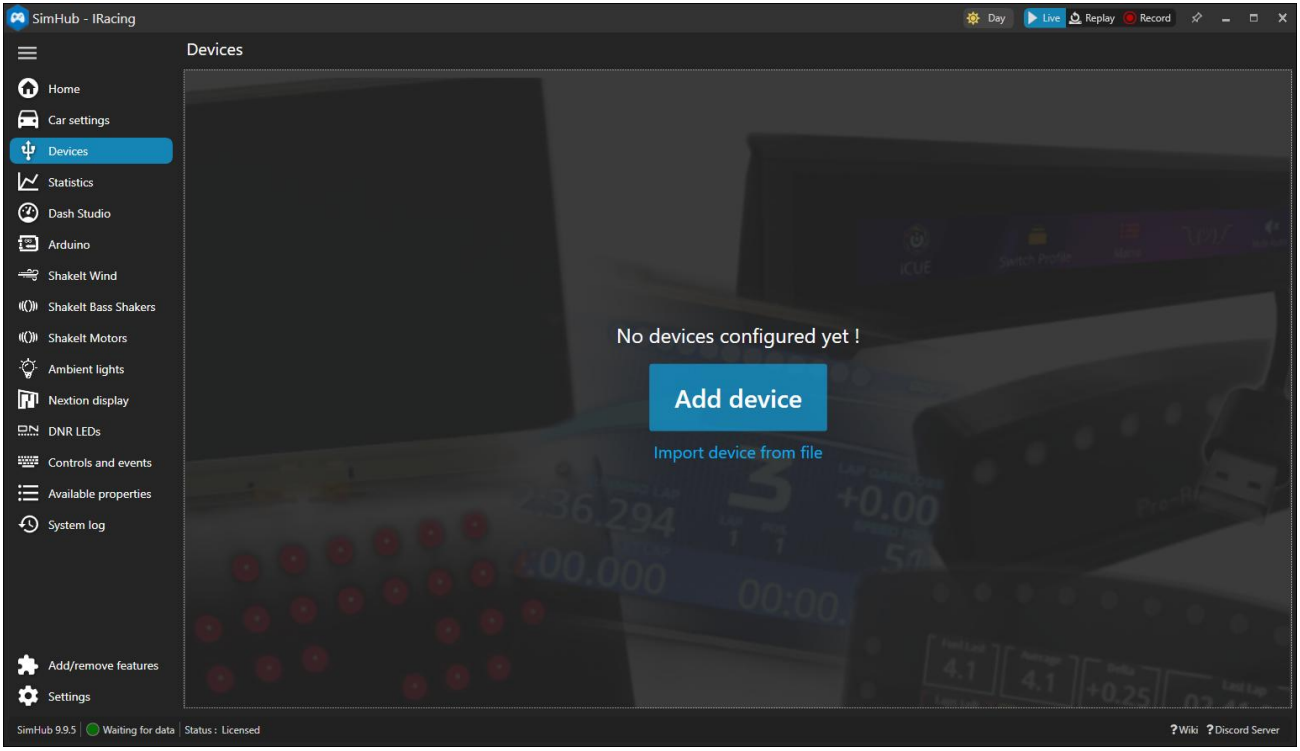
The LEDs and the display are controlled through **SimHub**.

Download and install the latest SimHub version from: https://www.simhubdash.com/

It's recommended to buy a SimHub license to unlock the display and LED FPS limit.

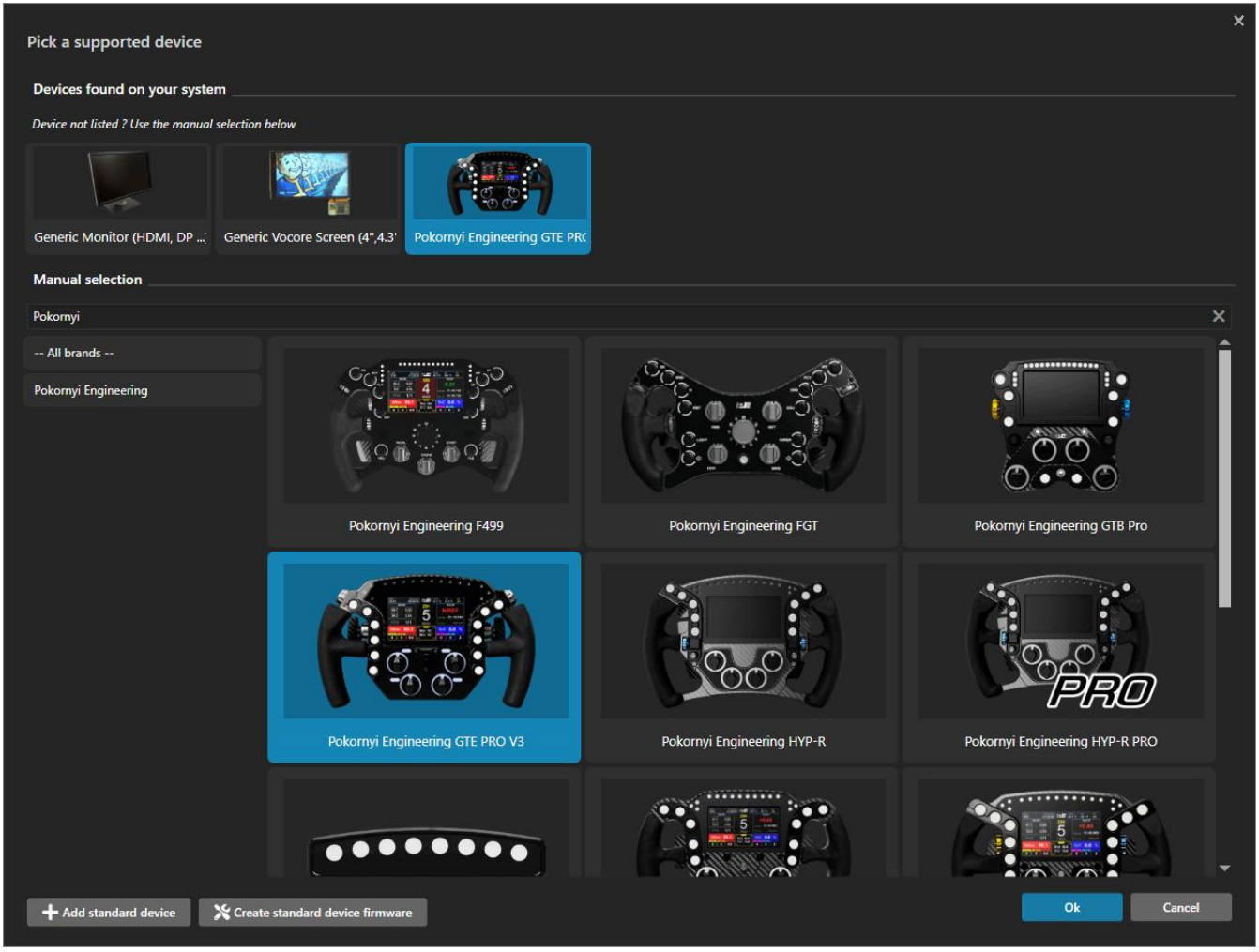
Make sure you are using the latest version of SimHub.
The device is supported starting from v9.9.5.

Open SimHub and go to "**Devices"** page and click "**Add device**" button.



Select the ***Pokornyi Engineering GTE PRO V3*** from the list.

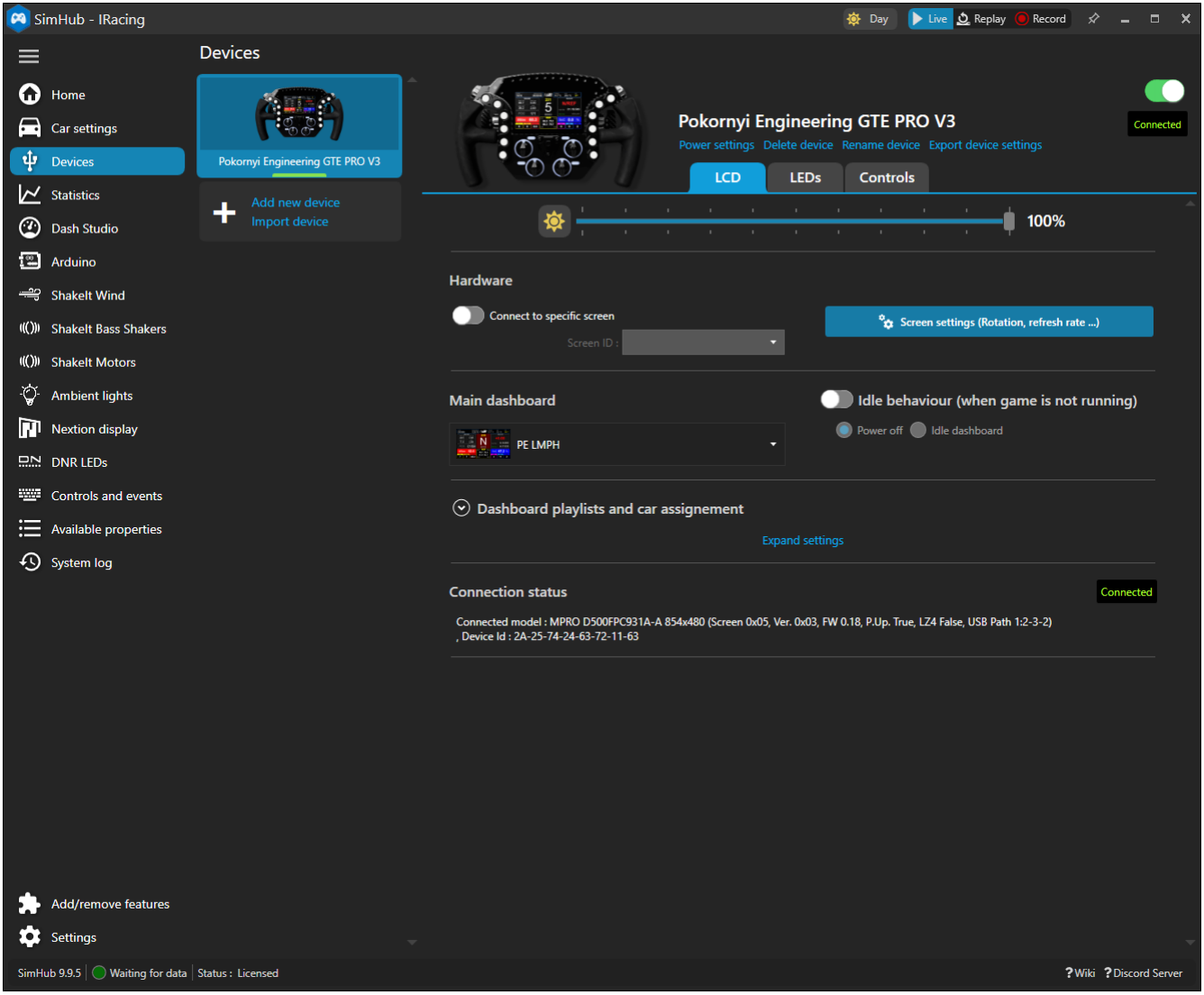
If the wheel is already connected, it will be listed in the first row.



Once the device is added, feel free to play around with the settings.

The dash can be configured on the LCD, the LED profiles on the LEDs tab.

Our dash template: pokornyiengineering.com/downloads/PE-LMPH-DASH-GTEPROV3



Extra tips

- Connect wheel via a powered USB hub (e.g., TP-LINK UH720)
- Avoid excessively long USB extension cables to prevent data degradation.
- Try different USB ports if one is not performing as expected.
- Update AMD systems with known USB performance issues to AGESA BIOS 1.2.0.2 or higher (check motherboard manufacturer's website).
- Use a dedicated PCIE USB card with NEC chipset for optimal performance.

www.pokornyiengineering.com