

SIM LAB

INSTRUCTION MANUAL



GTSL PRO
VERSION 1.02
Last updated: 07-09-2026

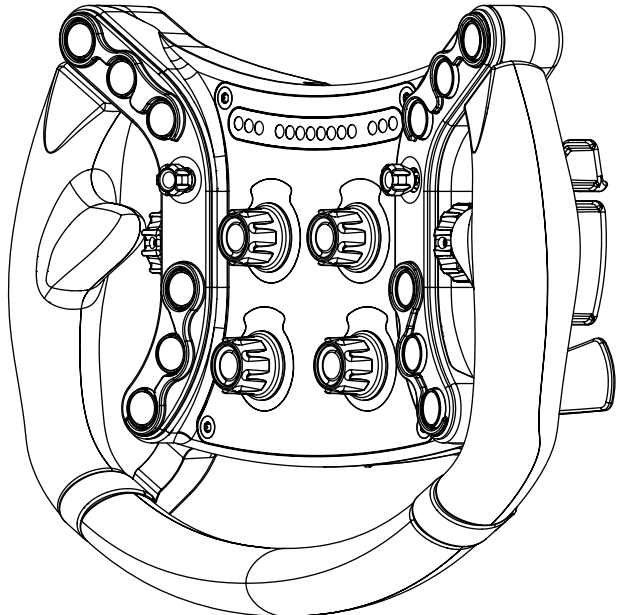
BEFORE YOU START:

Thank you for your purchase. In this manual we will provide you with the means to get started using your new steering wheel!

GTSL PRO

Features:

- Full aluminium construction
- Unique design
- Ergonomically placed backlit buttons
- 106 Telemetry controlled LEDs
- Dual 7-Way thumb switches
- 6 Rotary encoders
- Dual mono paddles
- Dual clutch paddles
- Coiled USB cable
- USB-C Data passthrough



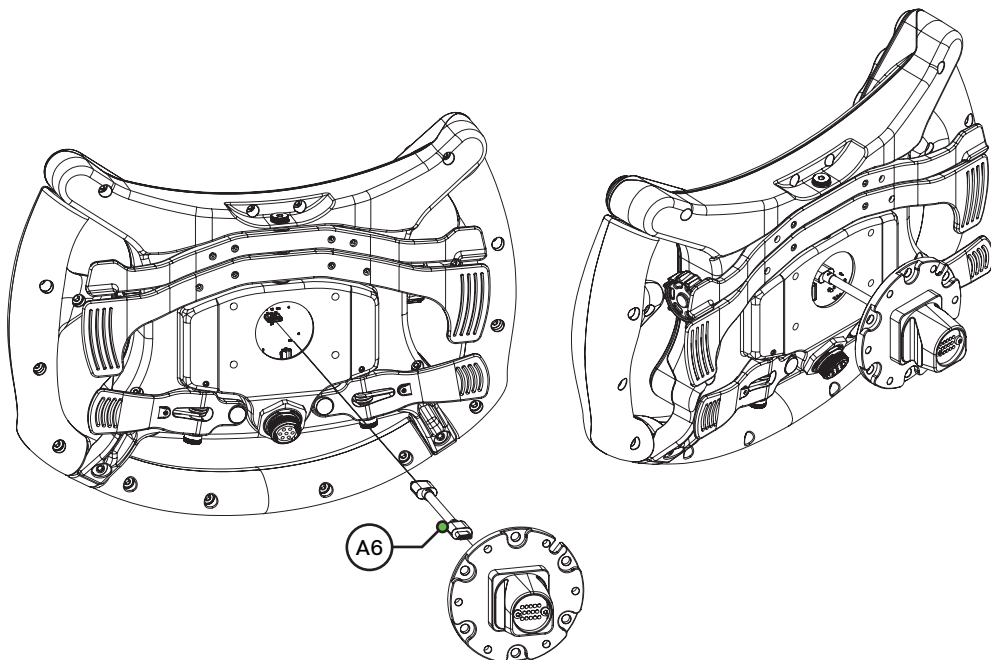
Preparing for use

Installing a hub/spigot

The hub features a 70mm PCD, with 4x M5 threaded holes. The reason we went for the 70mm is that it is very universal, so you will have no trouble finding a suitable hub/quick release solution.

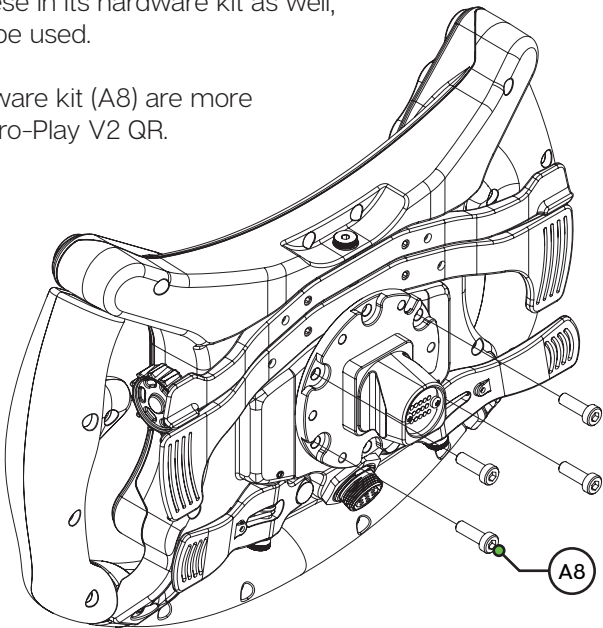
In this example, we will be installing our brand new Xero-Play V2 quick release. Of course, you can fit any aftermarket 70mm hub, hub extension or quick release spigot as you please.

One thing which is apparent is that we offer USB-C data passthrough. Connect the shorter of the supplied cables to the connector on the steering wheel first, then the one on the hub.



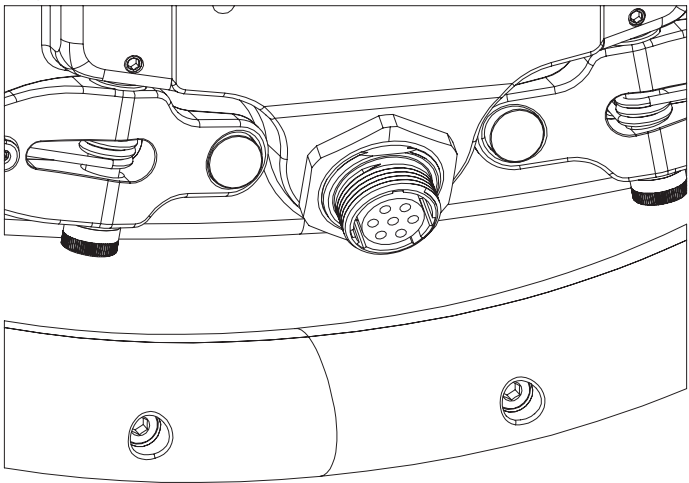
Even though it is short on purpose, please make sure to tuck the cable away so it doesn't get pinched between the wheel and the flange on the hub. Tighten the 4 bolts. The Xero-Play V2 has these in its hardware kit as well, they are the preferred ones to be used.

The bolts in the GTSL Pro hardware kit (A8) are more for those who do not own a Xero-Play V2 QR.



Connecting the coiled cable

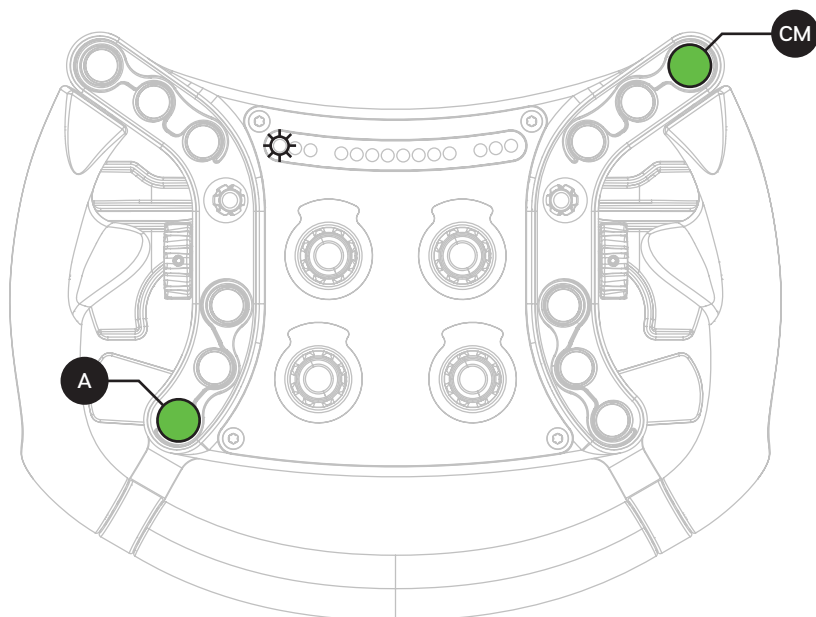
If you do not use the passthrough option, the external cable option is always there and available. It's simply the case of carefully aligning the notches in the connector, and tightening the collar. This quality connector and cable allow for the rock solid connection you may expect. Connect the other end to the power injection box (see page 12) to complete installation.



Calibration Mode

The calibration is a very straightforward process, but first we need to enter the Calibration Mode on the wheel itself. To activate the wheels' calibration mode, **Press and Hold** the ADJUST (A) button and CALIBRATION MODE (CM) button at the same time. Keep doing so for at least **5 seconds**, until the warning LED * starts flashing (red).

Release both buttons when the wheel successfully entered Calibration Mode.



Calibration

Calibration is easy to do. Simply fully depress and hold the clutches for about a second, release, and you're done. After this has been done, the wheel's firmware has registered the minimum and maximum values for travel. Press the Adjust (A) button a single time to exit the Calibration Mode.

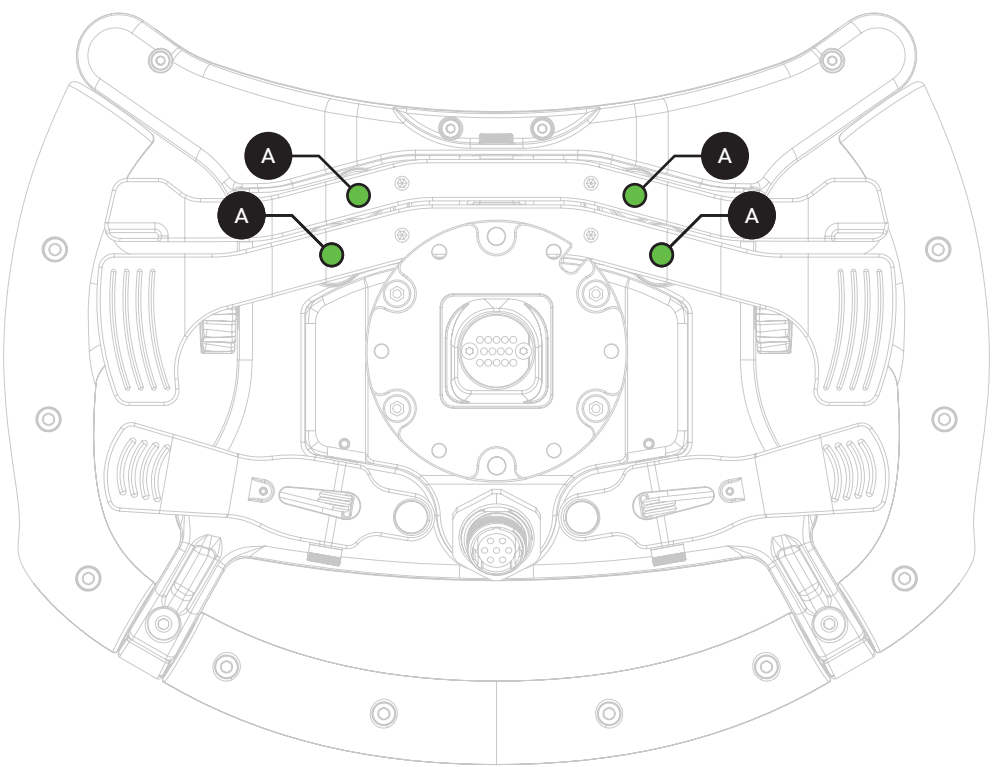
The mono paddles are auto calibrating and do not have to be calibrated manually.

Mono paddles

These are pretty straightforward, and we love them for it.

It could occur however, they could use a small tweak, which is very simple to do.

If there is some free play before the plungers engage for example, there are some set screws which can be adjusted (A) to take out the play again.



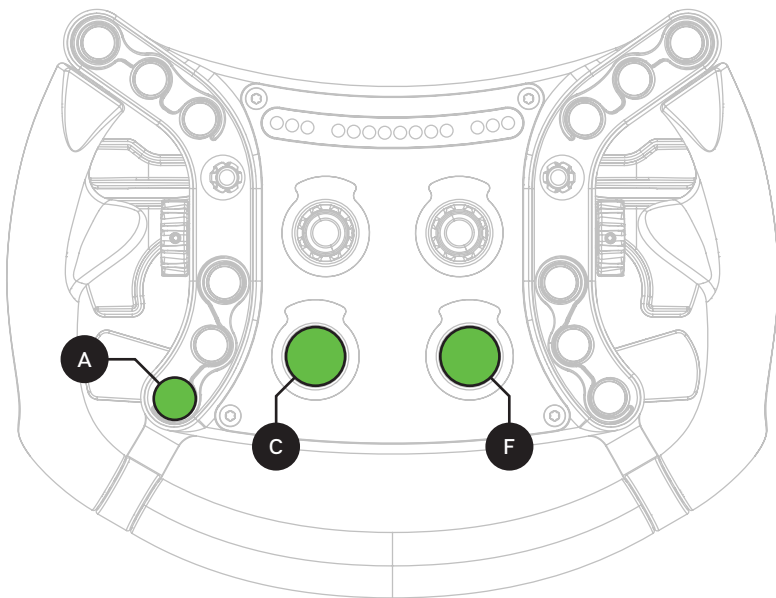
Clutch

Bite point adjustment

Bite point adjustment is available with the steering wheel set to 'Bitepoint mode' in RaceDirector. It is important that both clutch paddles have been calibrated before adjusting clutch behavior. Please see page 5 before following the steps on this page, if you have not calibrated your clutch paddles already.

To adjust the bite point, **Press and Hold** the ADJUST (A) button. Next, start by dialing in the bite point roughly by using the Coarse (C) adjustment knob, tweak using the Fine (F) adjustment knob.

The Coarse (C) adjustment adjusts in increments of 10%, where the knob numbers show the value. For example, position 7 = 70%, while Fine (F) does the same in single digits. For example: left knob position is 7, right knob position is 5, equals 75%.



After you finished setting bite bitepoint, you can back out of this mode by simply releasing the ADJUST (A) button.

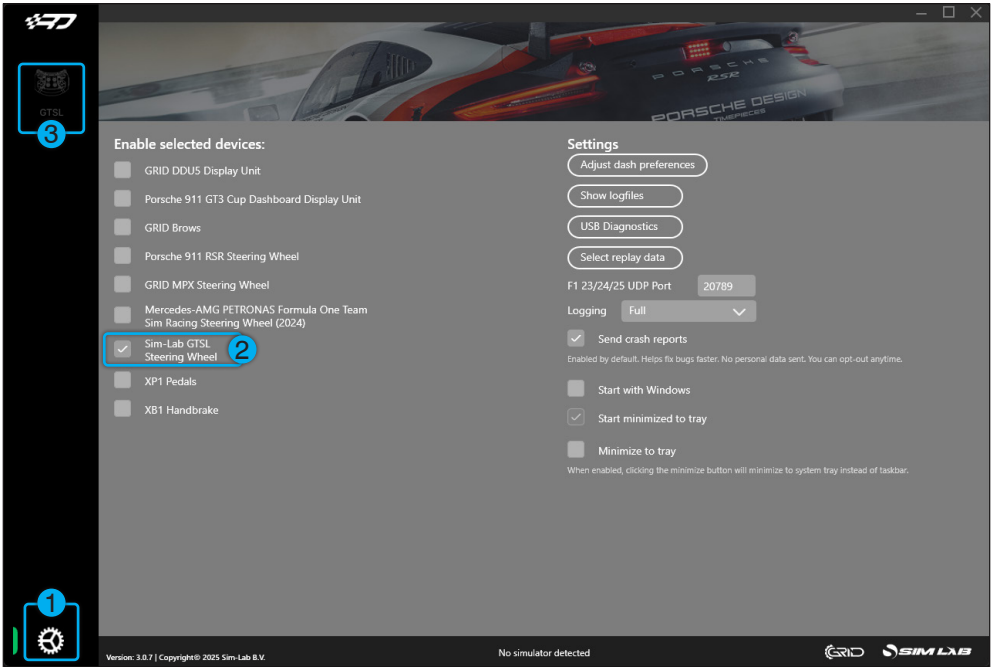
RaceDirector

Download and install the latest version of RaceDirector from www.sim-lab.eu/srd-setup

For explanation on how to install and use RaceDirector, please read the manual. This can be found here: www.sim-lab.eu/srd-manual

We will now go over the very basics to get going using RaceDirector to get you on track asap. We really urge you to go through the manual for a more in depth explanation of the possibilities RaceDirector has to offer.

First we need to activate the product, this is done on the 'Settings' (1) page.



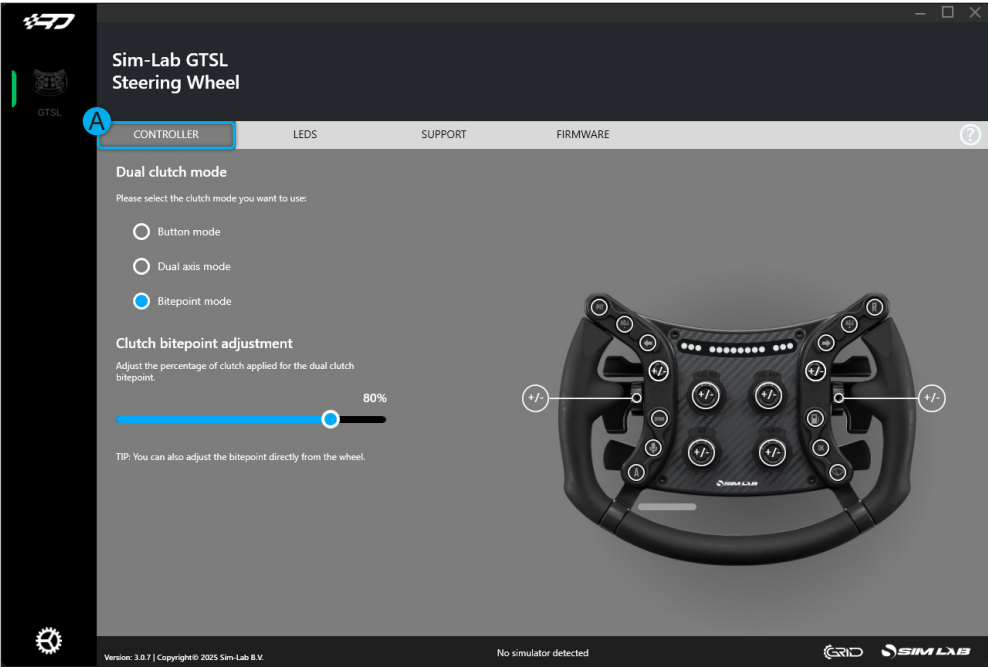
Tick the 'Activate' tickbox next to '**Sim-Lab GTSL Steering Wheel**' (2) and its icon (3) should appear on the left side of the screen. Selecting the icon (3) will take us to its device pages.

Device pages

These pages allow you to control, configure and update your device. To keep this manual concise, we only go over the basics or unique functions.

CONTROLLER (A)

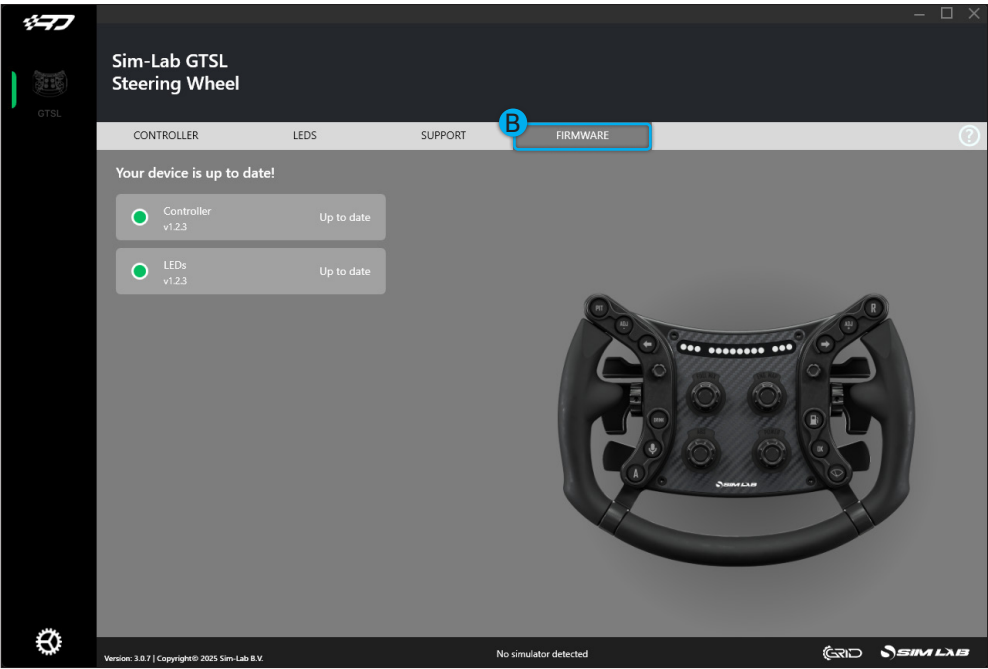
This device is just as simple to configure as any other device or dash in RaceDirector.



For the other device pages and a more detailed explanation of this page, please see the RaceDirector manual as referred to on Page 8 of this manual.

FIRMWARE (B)

On this page you can see the current firmware loaded on the device. If your firmware is out of date, we recommend to update it.



RaceDirector keeps tabs on current firmware versions. When it detects a difference, a notification  will let you know more recent firmware has been detected.

When an updated firmware version has been detected, please follow the instructions and click the 'Perform update' (1) button.

RaceDirector will show the progress and will take care of the updating for you. If you see a windows explorer or USB device popping up, don't worry, it is part of the process.

An update for your device is available!

 Controller
v1.14.0.0

Update available
v1.15.0.0

How to update?

Press the button below to automatically install any required updates to your device.

Please ensure your device remains connected during the update procedure.

Contact support if you have any problems updating your device via RaceDirector..

Perform update



Older devices might still require the former firmware update tool. In that case, RaceDirector will tell you what to do.

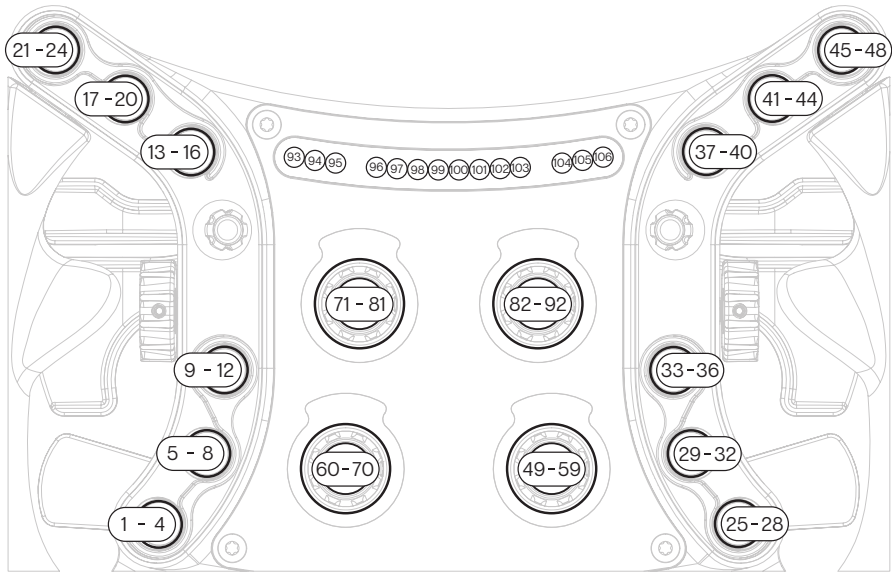
SimHub Support

For advanced users, we do still support people who prefer using SimHub. Go to 'Devices' on the left hand side of the screen and choose 'Add device'. Find your new wheel listed as below:



Changing the LEDs' functions.

To change the LED effects you need to know their numbering to identify them on the wheel. The following schematic shows the LED numbering on the display.



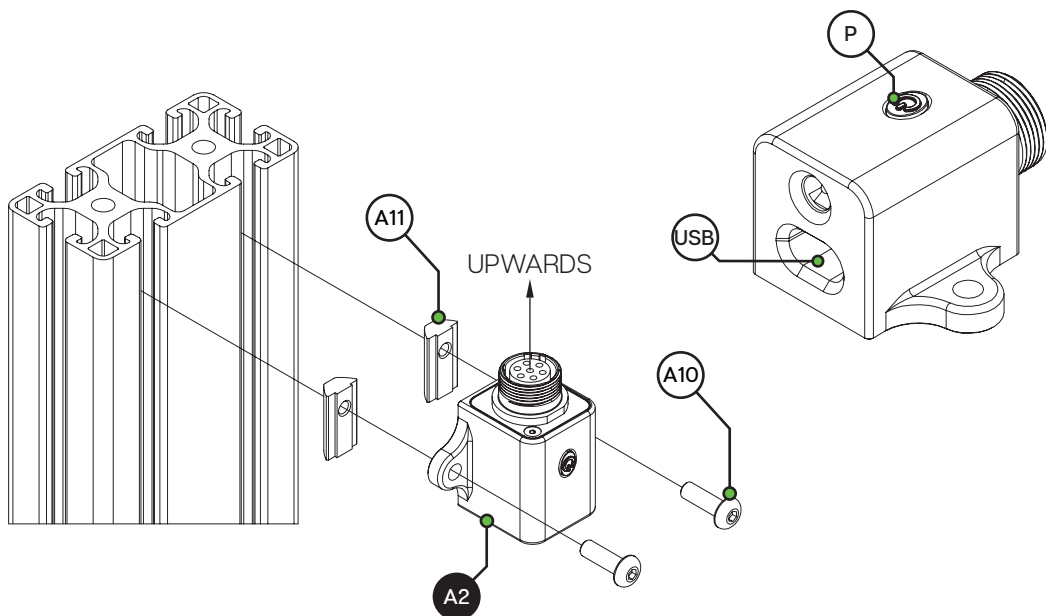
There should be enough info in the provided default LED profiles to be able to adjust LED settings to your liking. To start building your own profile, we suggest to copy an existing one and change where needed. The advantage is you always have a backup of the default profile to fall back to.

Note: for issues/troubleshooting your SimHub profiles, please refer to SimHub documentation or SimHub support.

Power Injection Box installation

The connection between your new wheel and PC is handled through the Power Injection Box (PIB) (A2). This will transfer signals and power to the wheel.

Installation is very straightforward. We recommend to have the connector for the coiled cable (A4) oriented upwards (when on the uprights). The bottom of the PIB is where your DC power adapter (A5) and USB cable (A3) are connected.



Connect all cables to and from the power injection box before plugging in the power supply. This ensures there are no grounding issues when plugging in cables while the device is powered. The current version of the power injection box has an on/off power button (P), you might need to press this if your wheel isn't recognized immediately. Also this makes it easier for you to turn off power for the wheel, just press the power button (P) once.

Secure all cables in such a way they can't be tripped on or accidentally pulled from their sockets.

When experiencing intermittent signal loss, we recommend using a powered USB hub.

**ONLY connect approved SIM-LAB sim racing steering wheels
or risk DAMAGE to your steering wheel or PC!**

Bill of materials

IN THE BOX			
#	Part	QTY	Note
A1	GTSL PRO Steering Wheel	1	
A2	Power injection box	1	Interface between wheel and PC.
A3	USB-A to USB-C cable	1	
A4	Coiled cable	1	
A5	DC power adapter	1	
A6	USB-C Passthrough cable	1	
A7	Decal set	1	
A8	Bolt M5 X 20 DIN 912	4	
A9	Bolt M5 X 16 DIN 912	4	
A10	Bolt M5 X 16 DIN 7380	2	
A11	Slot-Nut M5	2	

More information

If you still have some questions regarding assembly of this product or about the manual itself, please refer to our support department. They can be reached at:

support@sim-lab.eu

Alternatively, we have a Discord server where you can hang out or ask for help.

www.sim-lab.eu/discord

[Product page on the
Sim-Lab website:](#)

