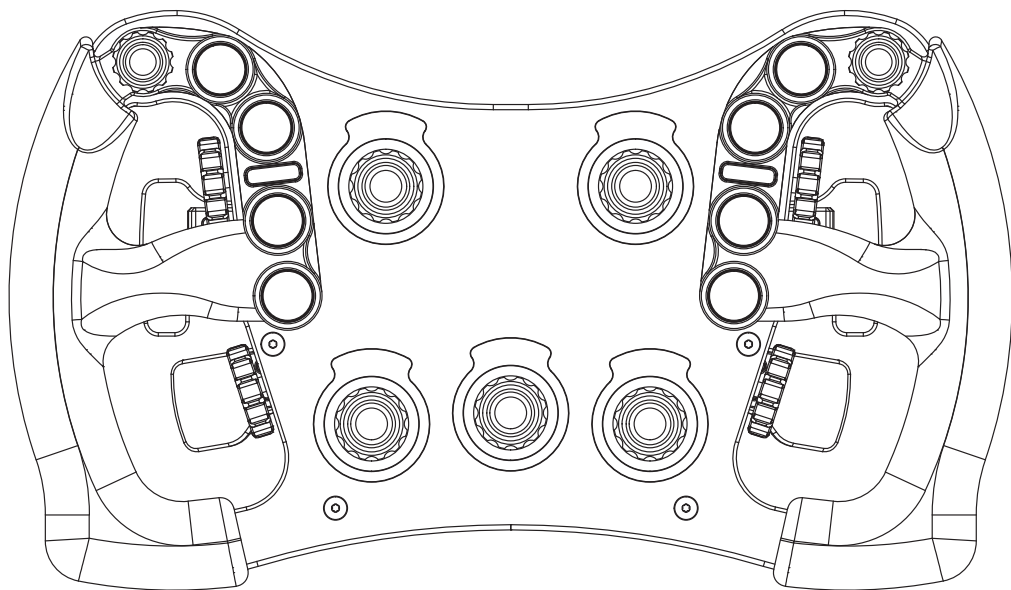




INSTRUCTION MANUAL



MPX STEERING WHEEL VERSION 1.4

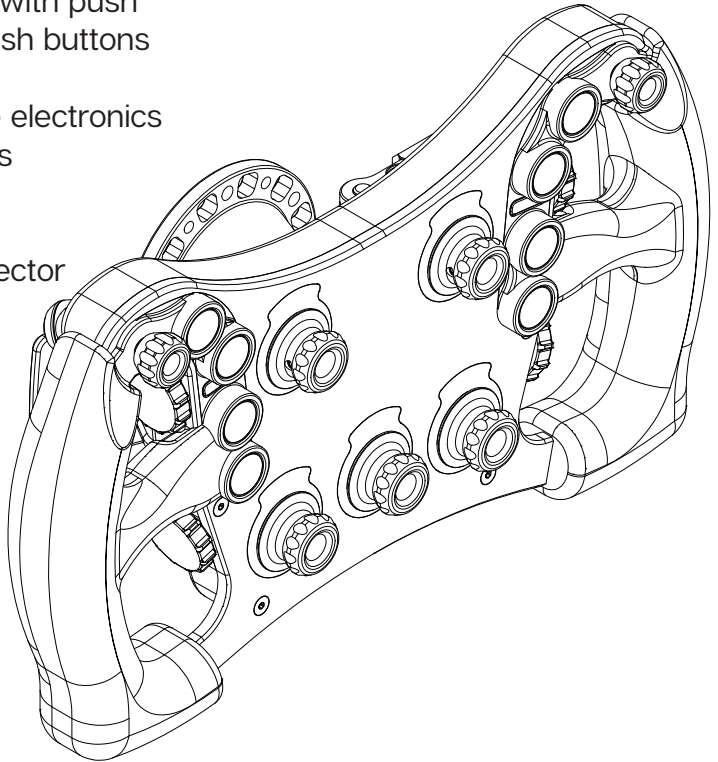
Last updated: 04-12-2025

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!

MPX FEATURES:

- Full billet anodized aluminum construction
- 87 telemetry controllable RGB LEDs
- 9 ELMA encoders with push
- 2 OTTO P9 rear push buttons
- 2 7-Way switches
- Motorsports grade electronics
- Adjustable clutches
- Adjustable shifters
- 70MM PCD HUB
- Passthrough connector

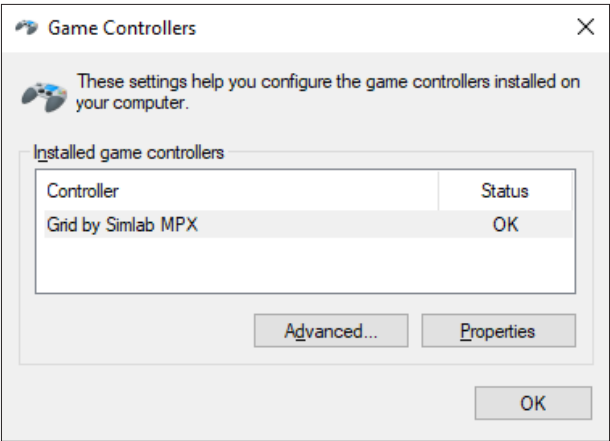


Initial calibration

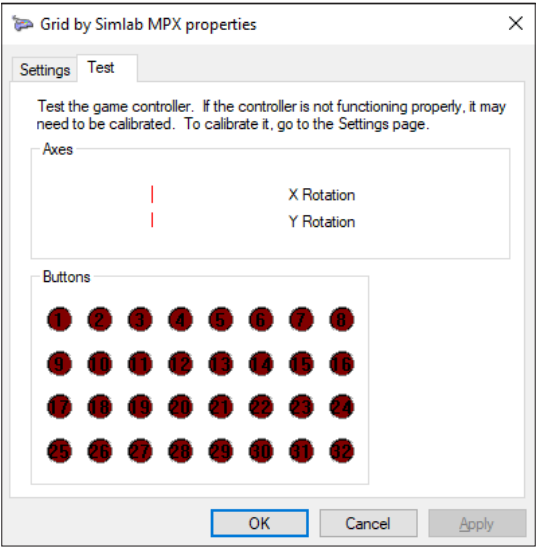
Before using the wheel, we recommend to walk through calibration of all paddles found on the back of the wheel.

To make this an easier and more visual experience, let's open the Windows Game Controller program.

The quickest way to do this is to press the windows-key, type 'Game Controller' and hit 'enter' on your keyboard. This will open the Windows Game Controller program.

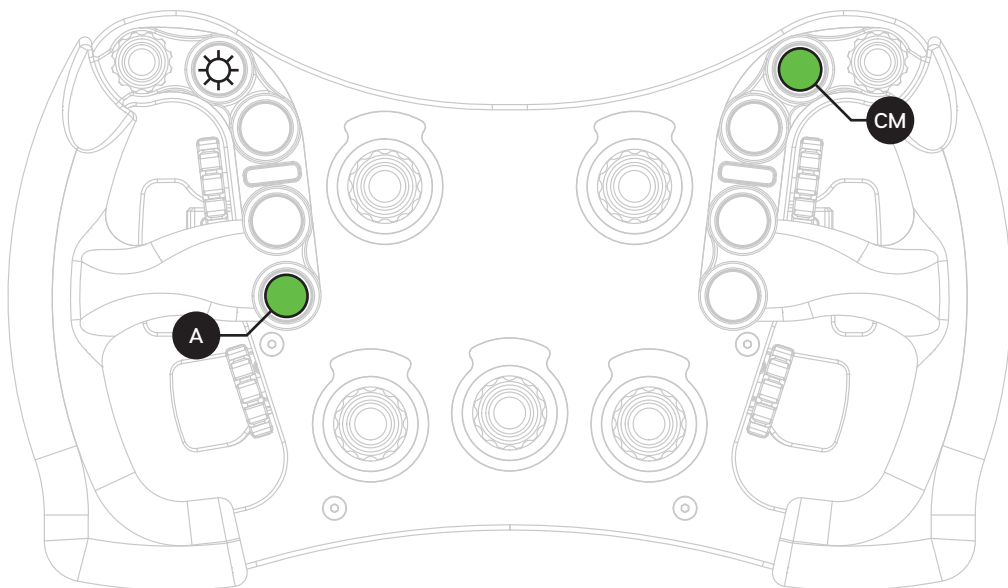


Select 'Grid by Simlab MPX' from the list and press 'Properties' to access the properties window. At this moment, we offer more inputs than possible to display.



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 you see BUTTON 1 (top left) flashing. Release both buttons when the wheel successfully entered Calibration Mode.



Calibration

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

Clutch modes and bite point adjustment

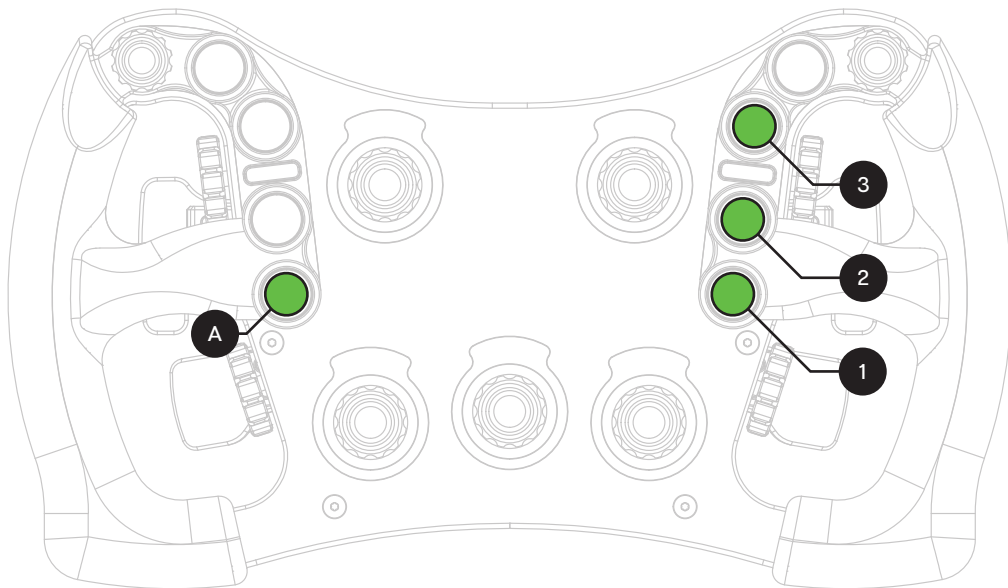
To make the most out of the dual clutches installed, they need to be set-up to your liking and intended use.

Mode selection

We offer multiple modes for different uses. This can be changed on the fly on the wheel itself. The three modes are:

- **Bite point:** The 2 clutch paddles are working as 1 analog input. Left side is the adjustable bite point clutch and the right side clutch is the master. Bite point adjustment available *ONLY* in this mode.
- **Dual axis:** The 2 clutch paddles are working as 2 separate analog axis.
- **Button:** The 2 clutch paddles are working as regular buttons.

To switch modes, **Press and Hold** the ADJUST (A) button and **Press** the mode of your choice. (1) Bite point, (2) Dual axis, (3) Button. Release both buttons after you have made a selection.

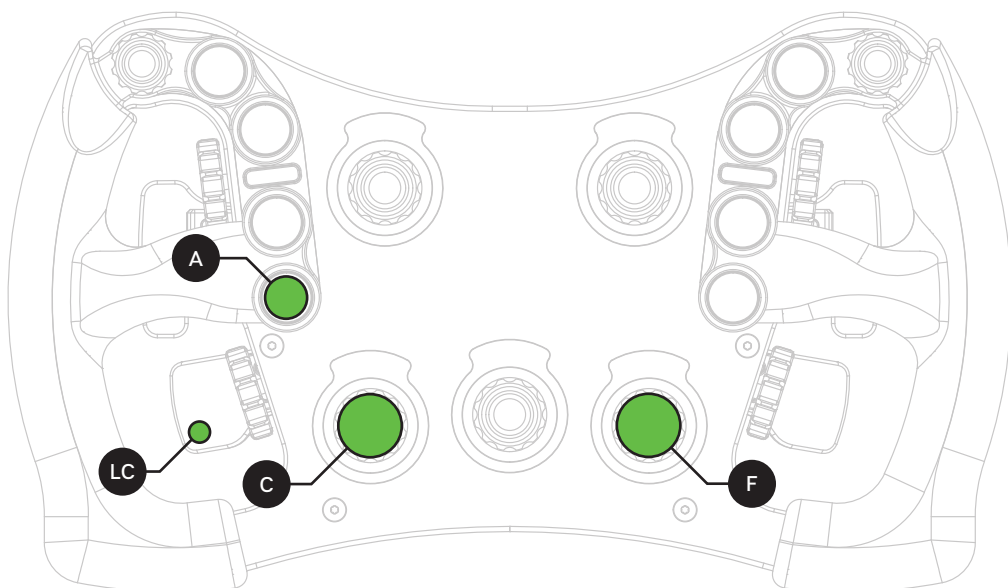


Bite point adjustment

Bite point adjustment is available only in the **BITE POINT** mode. If you are not in this mode, please see the previous page on how to switch to this mode. Also, it is important that both paddles are calibrated before adjusting their behavior. Please see Page 4 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 and the left clutch paddle (LC) **fully**. 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 roughly 10% increments, while Fine (F) roughly does 1% of adjustment. This way you can really dial in your clutches without compromise.



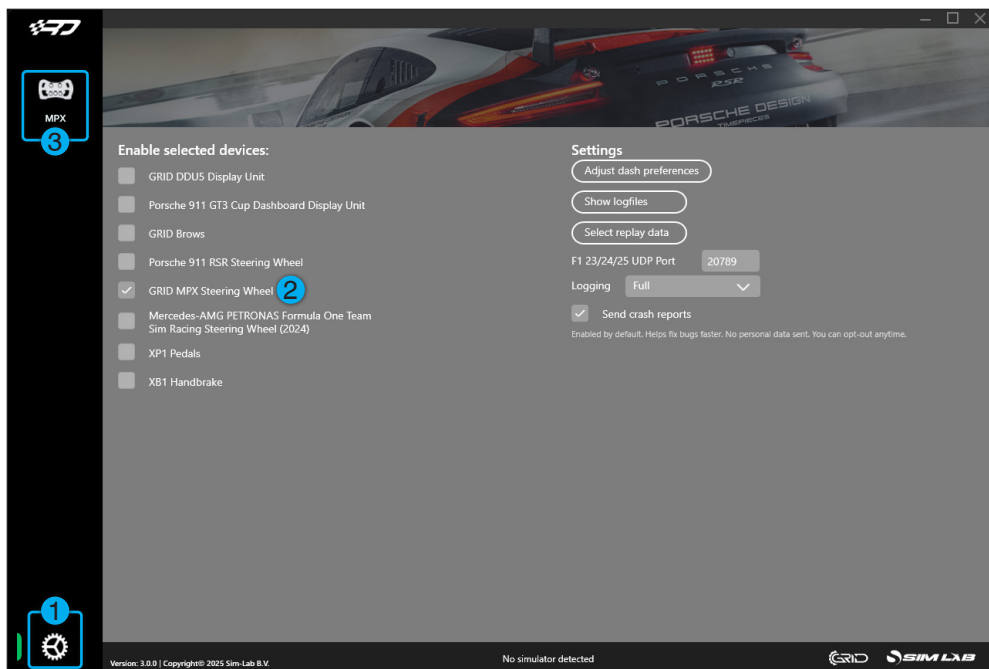
RaceDirector

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.



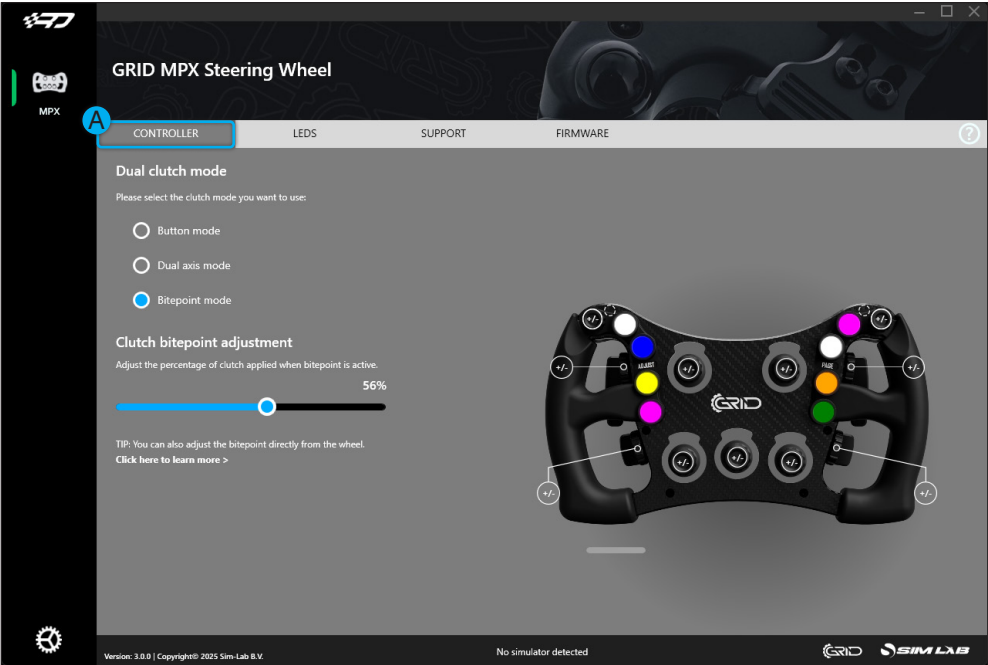
Tick the 'Activate' tickbox next to 'GRID MPX Steering Wheel' (2) and its icon (3) should appear on the left side of the screen. Selecting the icon (3) will take us to device pages.

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)

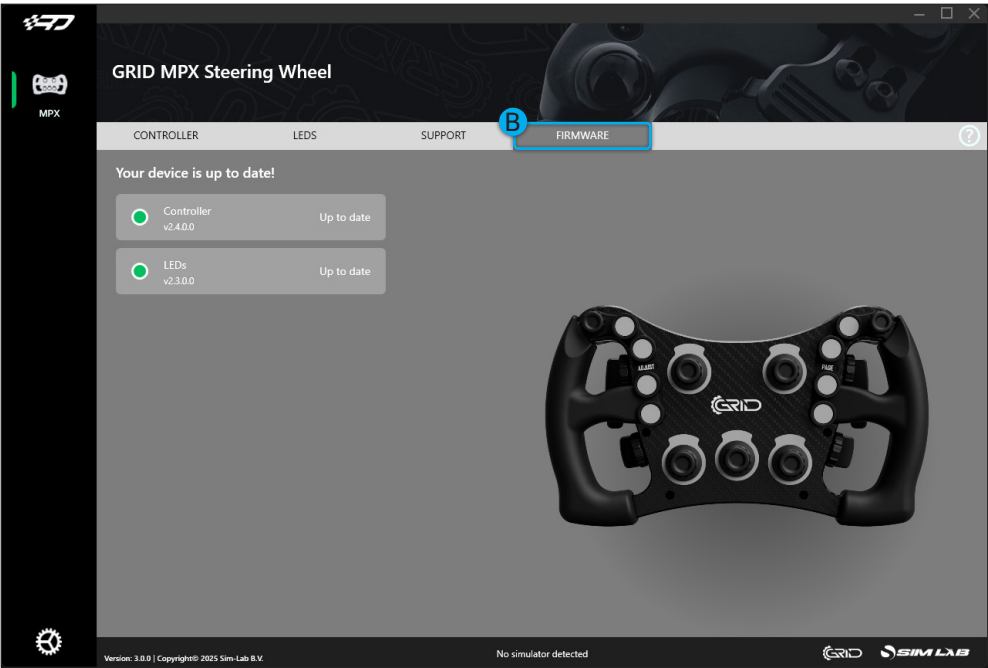
This device is just as simple to configure as any other device or dash in RaceDirector.



For the other device pages and a more detailed explanation of this page, please see the RaceDirector manual as referred to on Page 7 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..

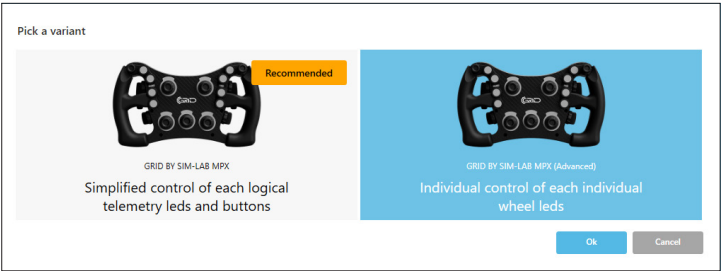
Perform update



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

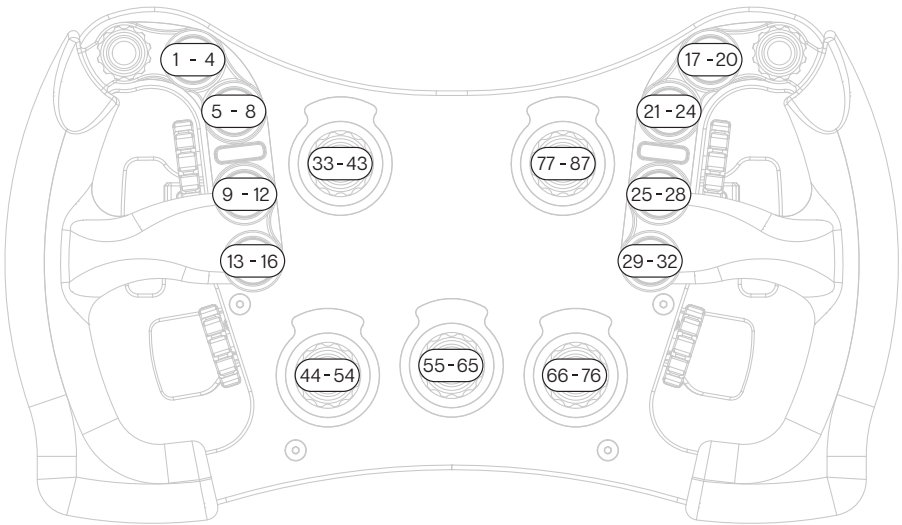
Simhub Support

For advanced users, we do still support people who prefer using Simhub. When adding a device, choose the advanced option as indicated below to get individual access to all 87 LEDs to go all the way.



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 for the available inputs and encoder LEDs.



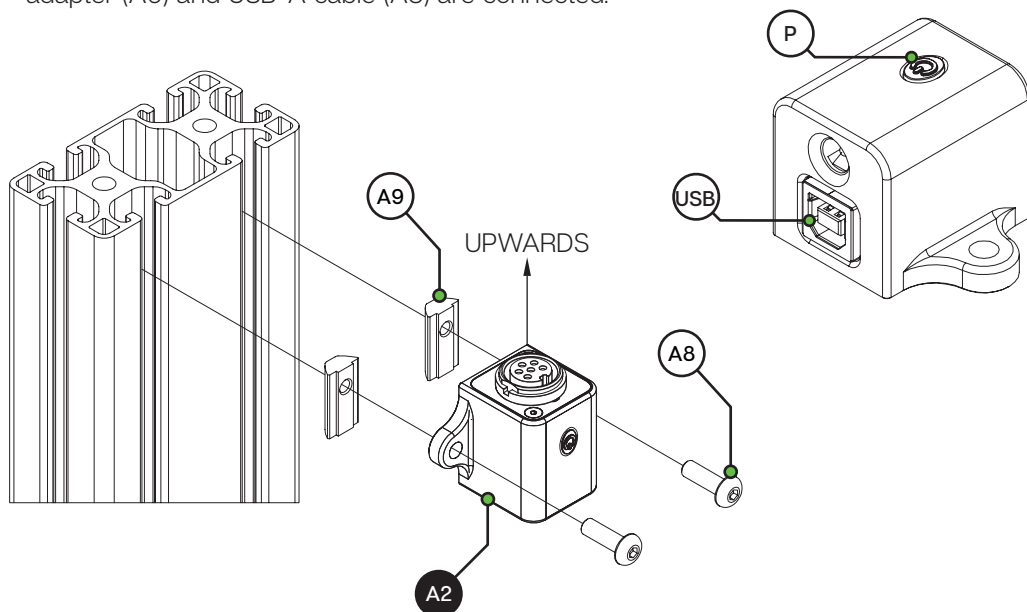
There should be enough info in the provided default LED profiles to be able to adjust LED settings to your liking. To start building your own profile, we suggest to copy an existing one and change where needed. The advantage is you always have a backup of the default profile to fall back to.

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 (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. The bottom of the PIB is where your DC power adapter (A6) and USB-A 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.

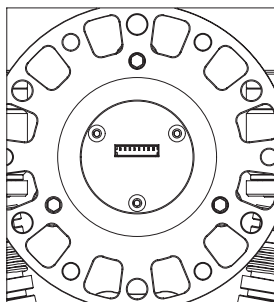
Secure all cables in such a way they can't be tripped on or accidentally pulled from their sockets.

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

ONLY connect approved 'GRID' sim racing steering wheels or risk DAMAGE to your steering wheel or PC!

Passthrough cable

Some quick releases offer passthrough functionality, negating the need for a coily cable going from your wheel to the power injection box. To know if your wheel is compatible with this, the adapter at the back of the wheel needs to look as follows:



Using the passthrough cable (A4), USB-A to molex, you can connect straight to your quickrelease (given it has a USB-A passthrough connection).

The wheel itself is designed to use 12V of power, the passthrough solution is only able to use 5V of power as per USB connection standard.

When experiencing intermittent power or signal loss on the steering wheel, we recommend to reduce brightness of all LEDs to reduce power consumption.

Note: please do **not** connect the wheel through both the power injection box and the passthrough cable at the same time.

Bill of materials

IN THE BOX			
#	Part	QTY	Note
A1	MPX Steering Wheel	1	
A2	Power Injector Box	1	Interface between wheel and PC.
A3	USB-A Cable	1	
A4	Passthrough Cable	1	
A5	USB Coiled Cable	1	
A6	DC power adapter	1	
A7	Label package	1	
A8	Bolt M5 X 16 DIN 7380	2	
A9	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