



Multi Led Display

User Manual V1.2



Before you start racing

We would like to thank you for your purchase. With your purchase, we can keep developing more awesome Sim Racing products. This user manual will provide you with the information needed, on how to set up your MLD module. If you have any questions, or need help setting up your wheel, please contact customer support at info@simrep-engineering.com.

What's new	
V1.0	Initial version
V1.1	Mounting options added and size
V1.2	Added chapter 2 about heat

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Packaging contents

- 2x MLD – Multi Led Display
- 2x USB-A to USB-C cable 1.5m
- 1x ABS left MLD bracket for 4040 alu profiles
- 1x ABS right MLD bracket for 4040 alu profiles
- 4x M3x12mm Hex socket bolt
- 2x M4x12mm Hex socket bolt
- 2x M4 T-slot nut
- 1x 2.5mm hex allen key
- 1x Microfiber glass cloth



WARNINGS

SEIZURES

This product contains bright LED's that may trigger seizures in individuals with photosensitive epilepsy.

IMPORTANT NOTE

The MLD enclosures will become warm during operation, this is normal. The aluminum enclosure

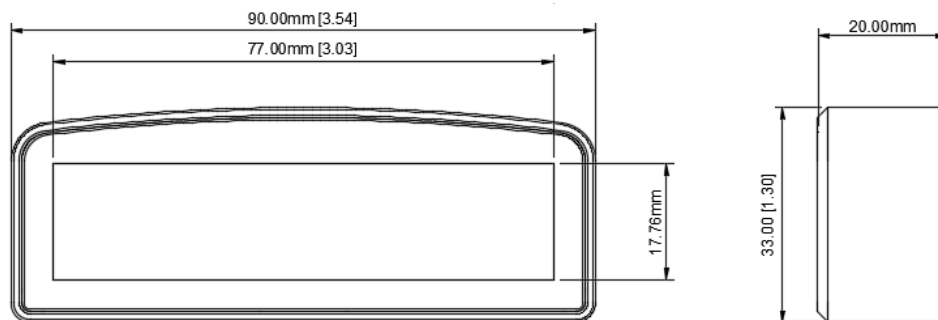
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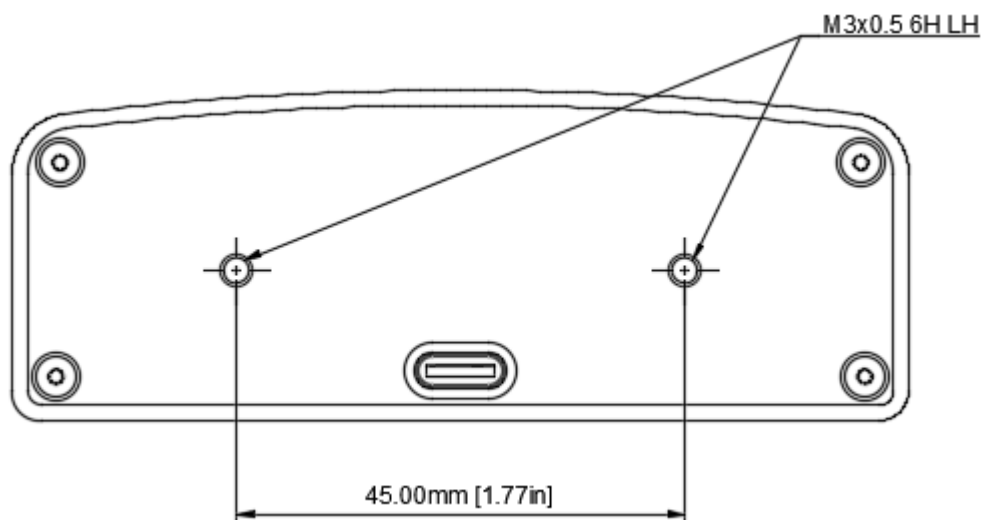
1. The MLD module

The MLD module is a small device that can easily be placed almost anywhere on the sim.

Dimensions of the product:



For mounting 2x M3 holes are used:





WARNINGS

Be Careful: The threats only go 8mm deep.

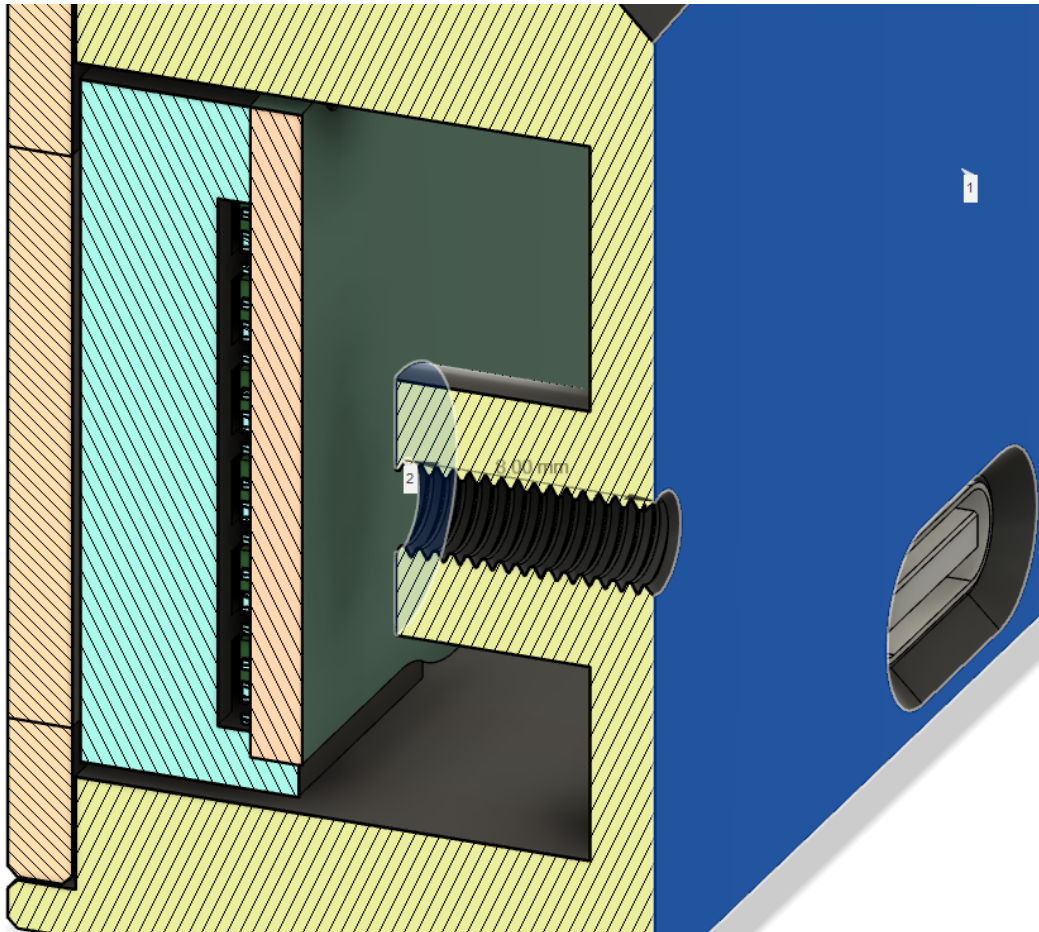


Figure 1: Threat dept

USE THE SUPPLIED SCREWS OR YOU CAN DAMAGE THE PRODUCT

2. Heat

The MLD's are featuring 150 LEDs, these generate heat. The aluminum enclosure functions as a cooling block, just like the cooler in your PC. The normal operating temperature ranges from 25/77 to 60/140 degree Celsius/Fahrenheit. When a terminal overheats, it automatically shuts down.

3. Installation

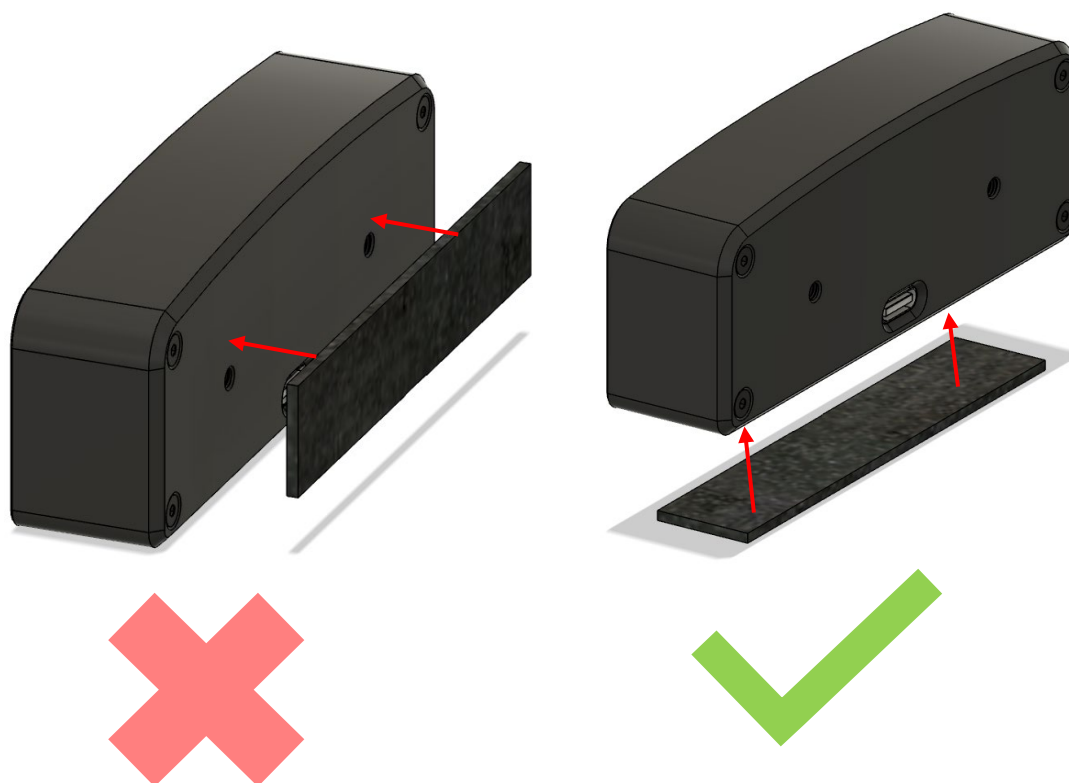
Mount your MLD modules to your sim rig in the desired location. Using the supplied 3M tape or brackets. In case of mounting issues, please let us know at info@simrep-engineering.com.

3M tape

If you choose to use the 3M tape following these steps.

The 3M tape should be installed at the **bottom** of the module. Installing the tape on the back can lead to the product falling down. This risk is especially high when the product is used for a long period of time and heats up because of this, making the tape less secure.

What should be done is installing the tape at the bottom of the module, like this:

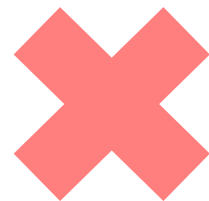


When the 3M sticker is placed secure the module on a solid piece of aluminum profile or your sim dashboard.

Do mount it like this:



Do not mount it like this:



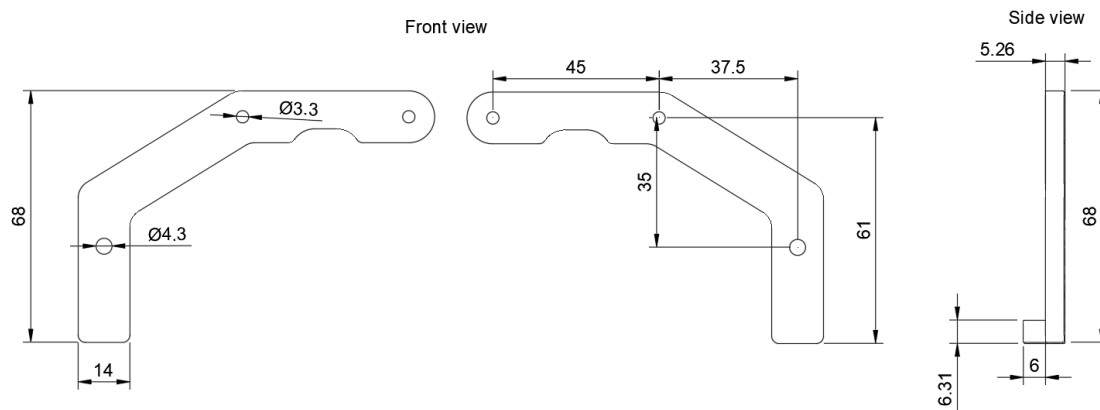
USB Cable

Connect the USB-A side of your cable to your PC or USB hub. DON'T connect the USB-C to the MLD modules at this stage. This will be done during setup.

Mounting bracket

There are included mounting brackets. These can be used to connect the MLD to a aluminum profile or to a wheelbase or similar.

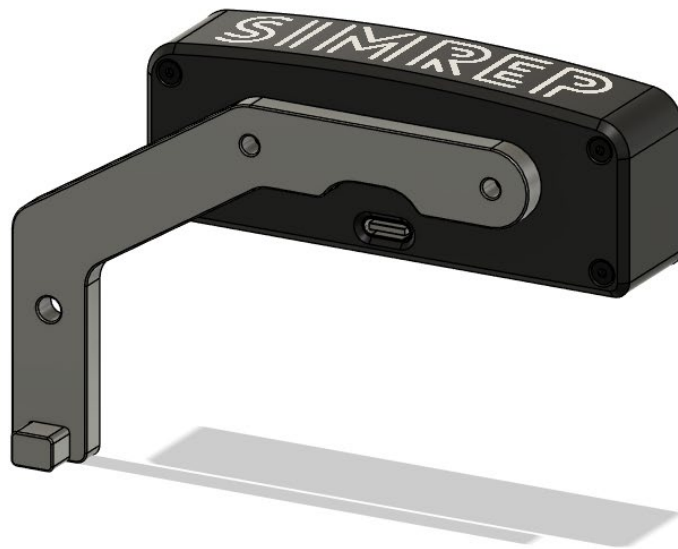
Dimensions of the bracket:



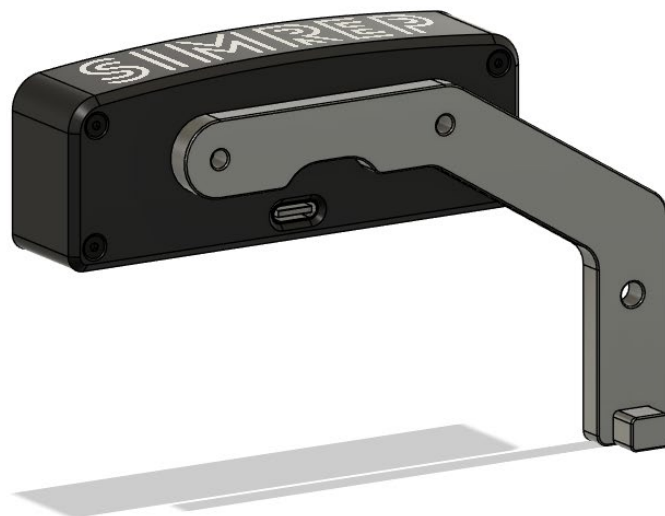
There is a bracket for Left and Right. Use the included M3x12mm screws to secure the module.

The square that sticks out, is used to keep the module stable. It sits in the groove of the 4040 profile, or on the bottom when using a horizontal profile. You the picture on the next pages for reference.

It depends on your setup but generally this would be the Left side:

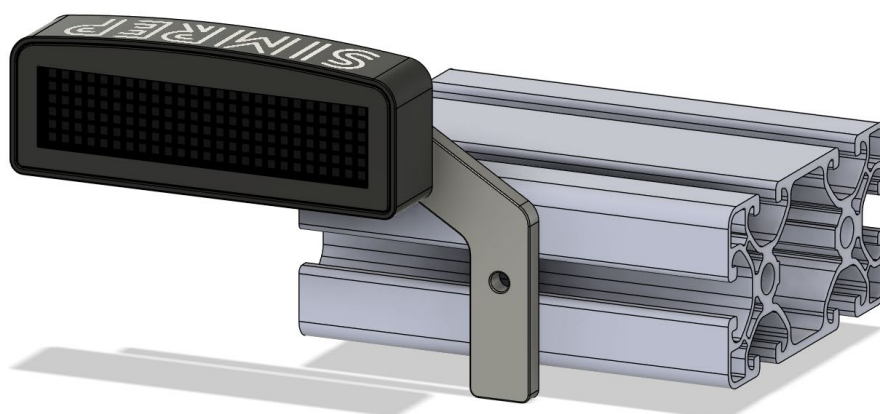


And this the Right side:

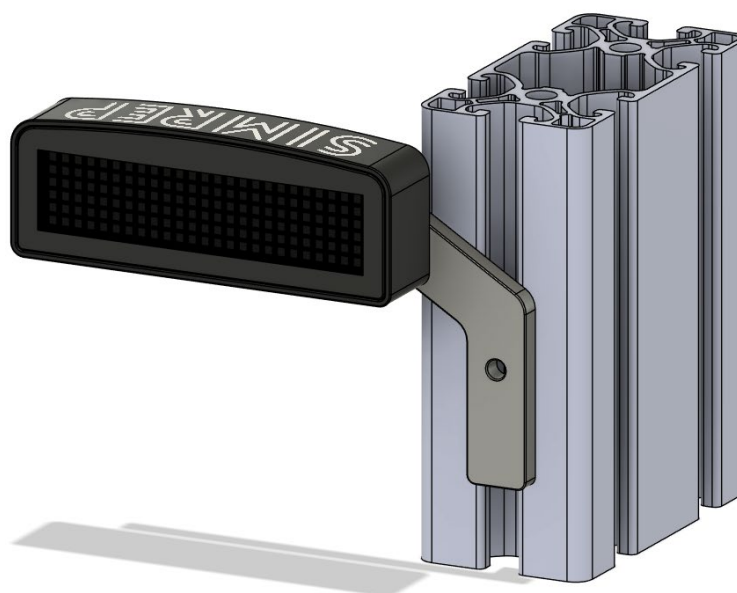


Mount the bracket to a 4040 Aluminum profile.
Use the M4x12mm bolt and M4 T-Nut.

Horizontal mounting:



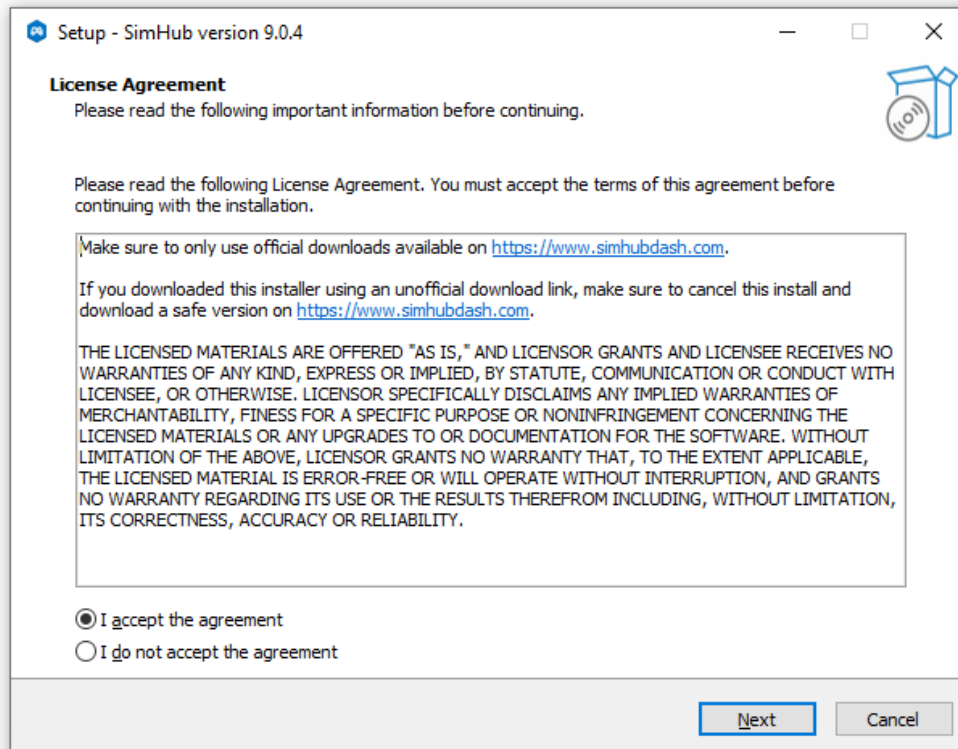
Vertical mounting:



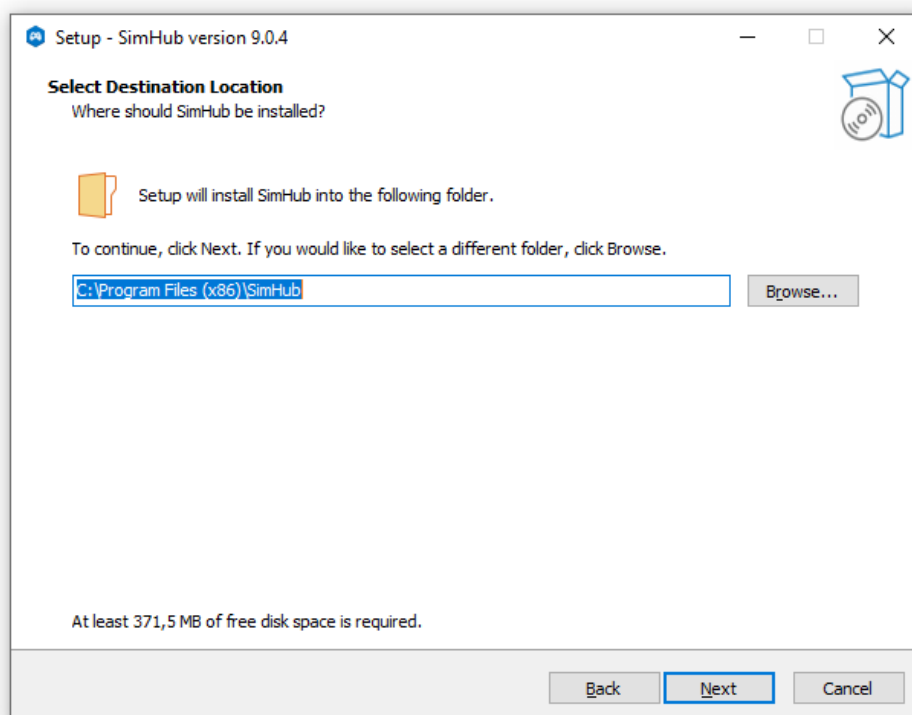
4. SimHub Software installation

Skip this step if you already have SimHub installed.

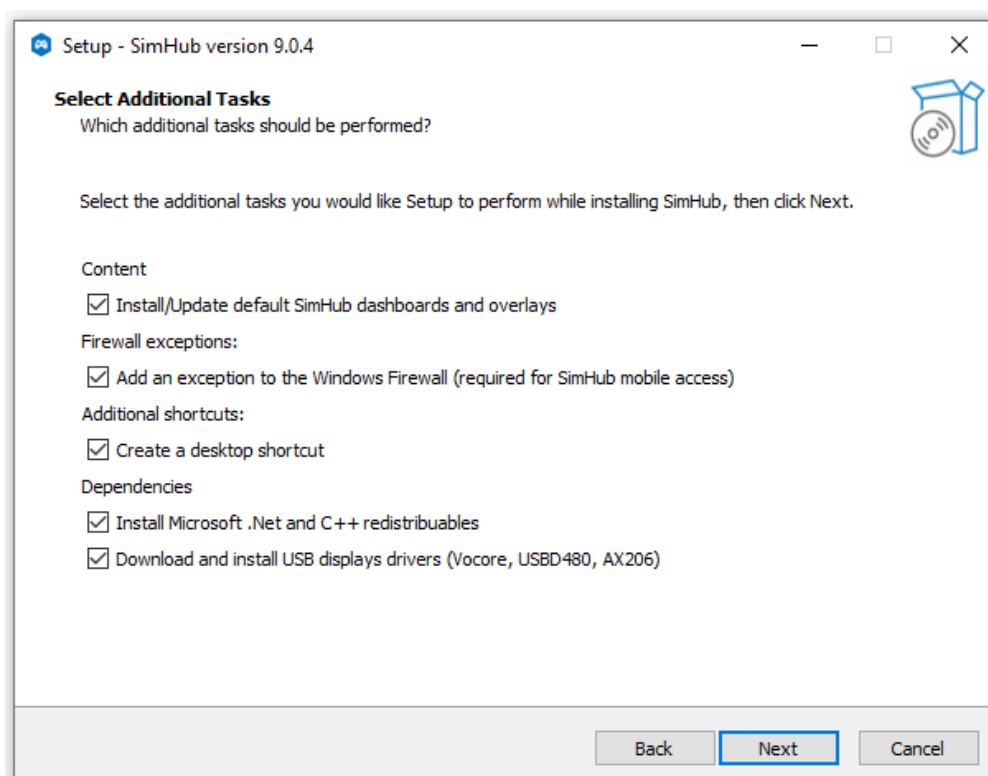
Accept the agreement and press “Next”.



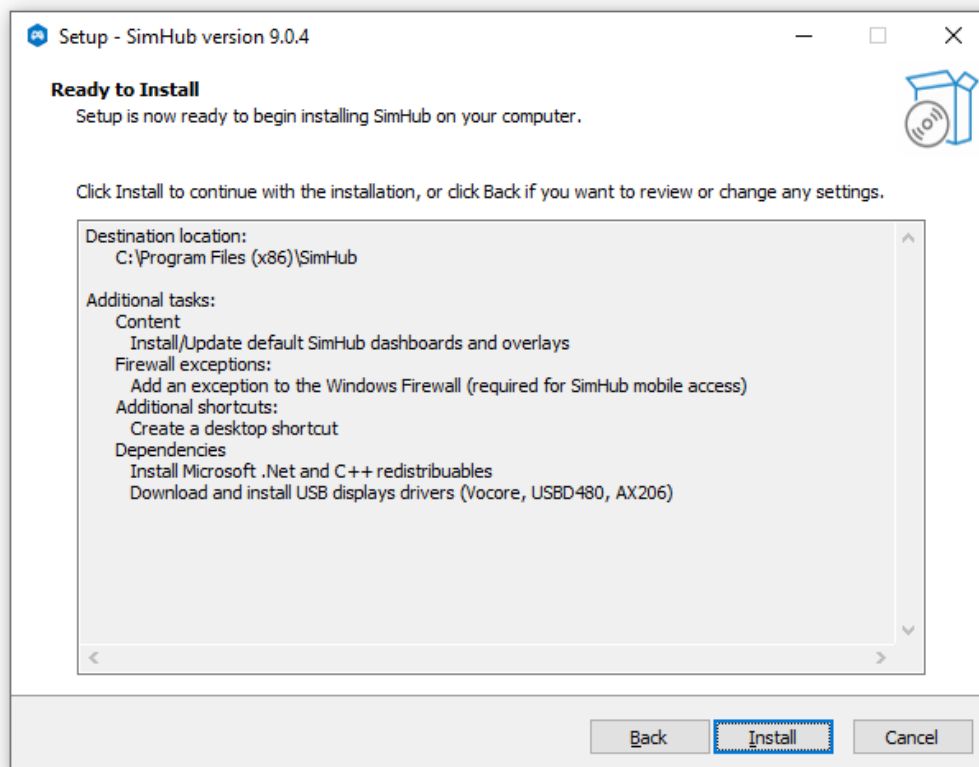
Specify where you want to install the software and press “Next”.



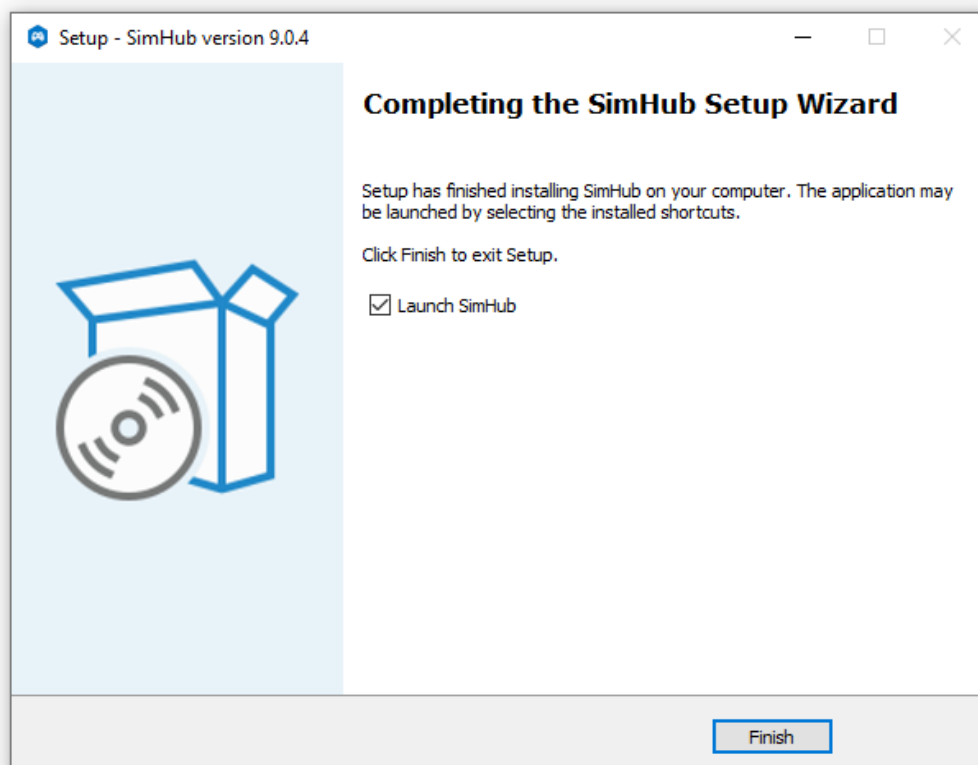
Check all boxes and press “Next”. Make sure the “Download and install USB displays drivers (Vocore, USB480, AX206)” box is checked, otherwise the display won’t work.



Press “Install”. The installation may take up to 5 minutes.



After the installation press “Finish”.



5. SimHub configuration

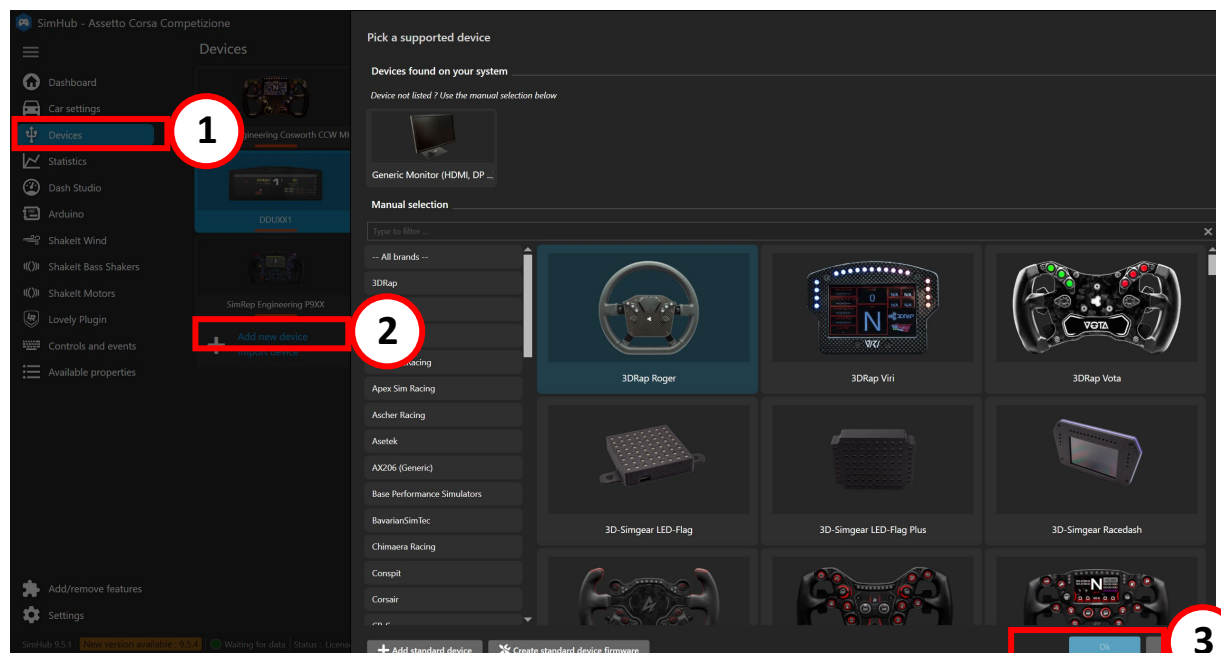
After installing SimHub, the MLD modules must be set up to use the LED templates. Configuring the MLD as the default device ensures it connects automatically whenever a game is launched.

The default templates can be edited by the user for personal preference.

Connect the USB-C cable to your left MLD module. Make sure that only one MLD module is connected for the initial setup. During the setup of the right MLD module, the left MLD may stay connected.

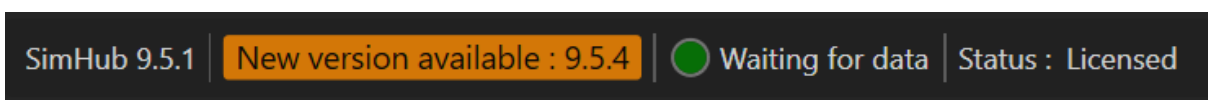
5.1. SimHub Standard Device

Go to SimHub “Devices” **(1)** tab and click “Add Device” **(2)**. Search for “MLD” and click “OK” **(3)**.



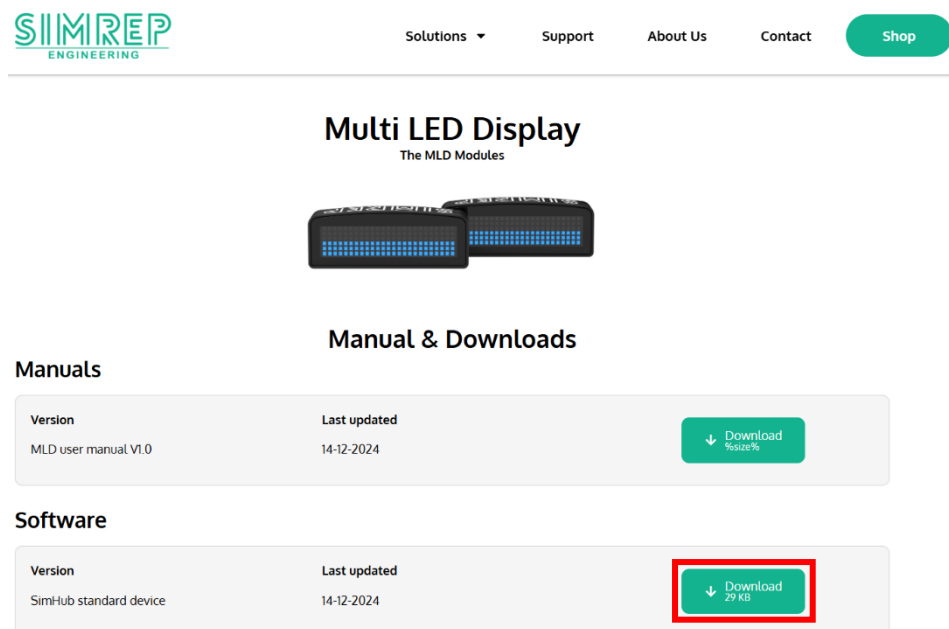
After clicking here, you will notice that the device will also be listed on the top, as “detected device”. You can use this, but you have to manually import the LED profiles or make your own. So it’s pervert to simply use the provided file or use simhubs standard device.

If the MLD is not available in the list, make sure to have the latest update of SimHub. If still not available, go the step 3.2 to install the MLD manually.



5.2.Importing SimHub Device

Go to the MLD – Multi Led Display [support](#) page and download the “SimHub standard device”.



Multi LED Display
The MLD Modules

Manual & Downloads

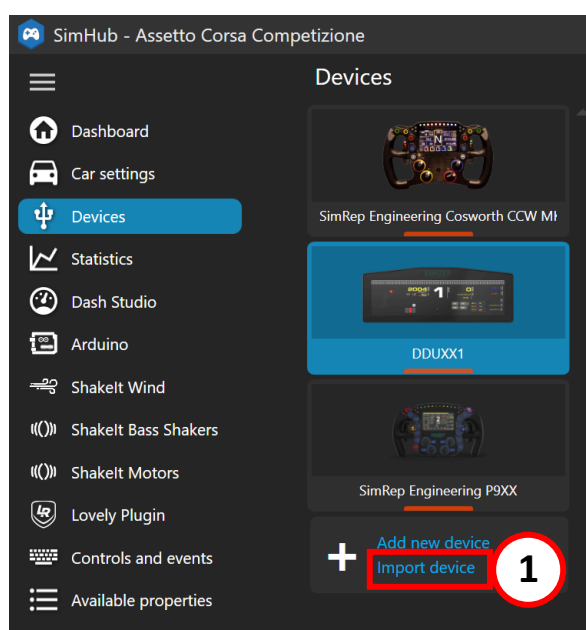
Manuals

Version	Last updated	
MLD user manual V1.0	14-12-2024	Download 1542 KB

Software

Version	Last updated	
SimHub standard device	14-12-2024	Download 29 KB

Click on “Import Device” **(1)** and select the device file.



SimHub - Assetto Corsa Competizione

Devices

SimRep Engineering Cosworth CCW M1

DDUXX1

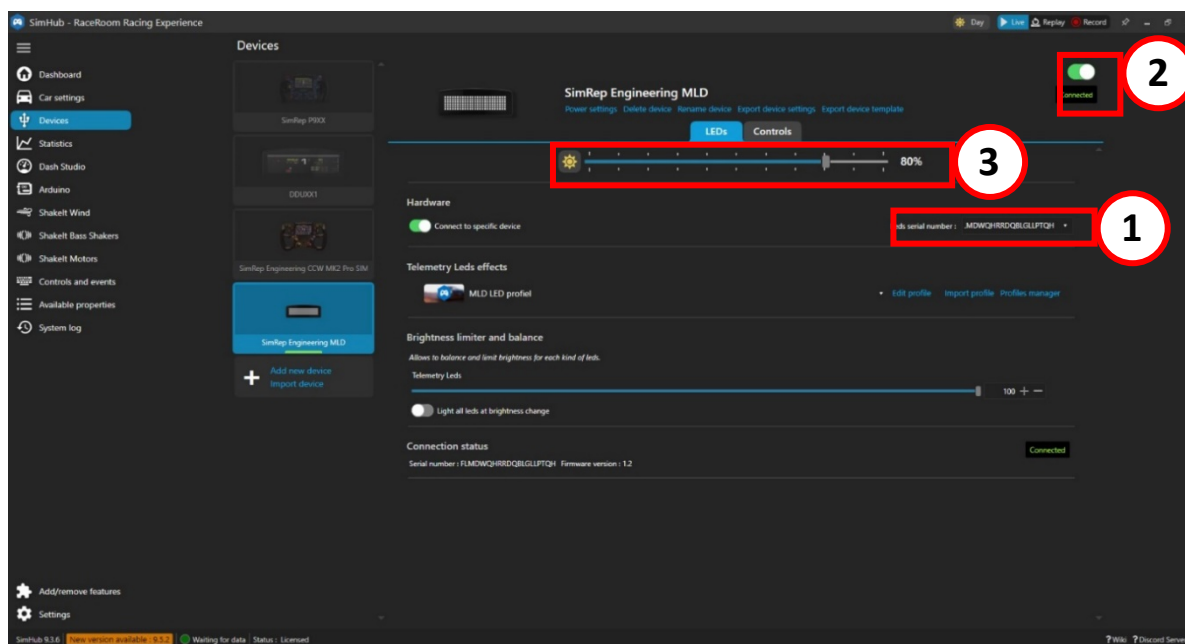
SimRep Engineering P9XX

+ Add new device
Import device **1**

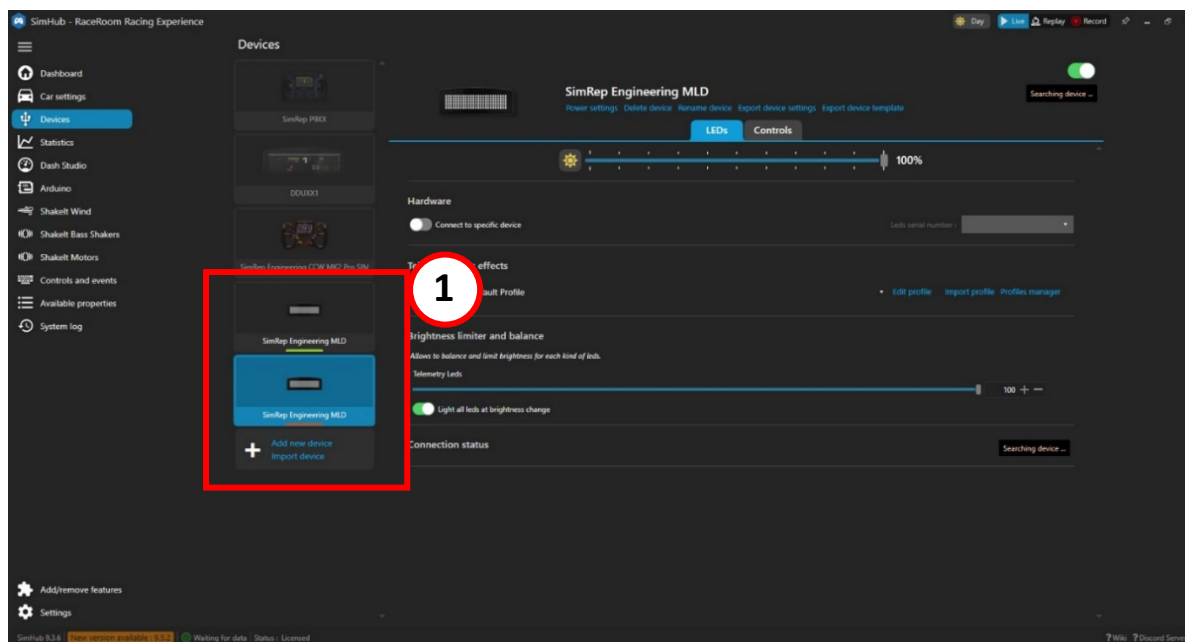
5.3. Setting up the standard device

After connecting your 1ste MLD module.

1. Select the serial number **(1)**.
2. When everything is set up right, it will show as connected **(2)**.
3. The brightness can be adjusted to personal preferences **(3)**.

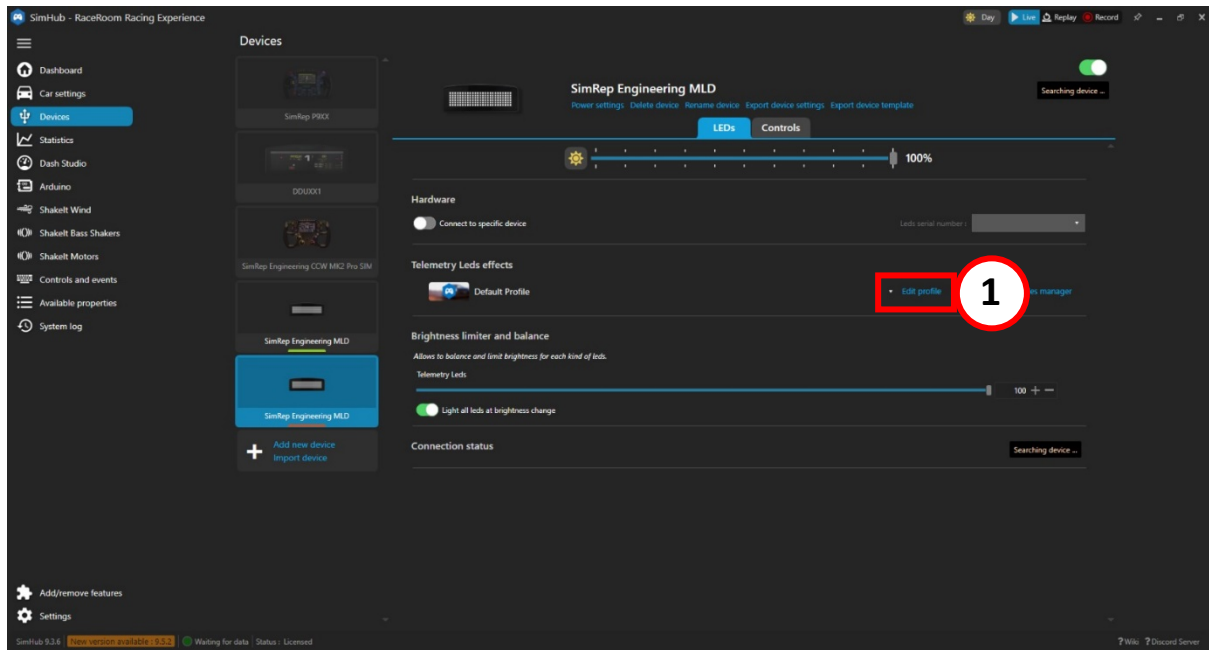


Repeat step **3.1** or **3.2** to add a second MLD device **(1)**.



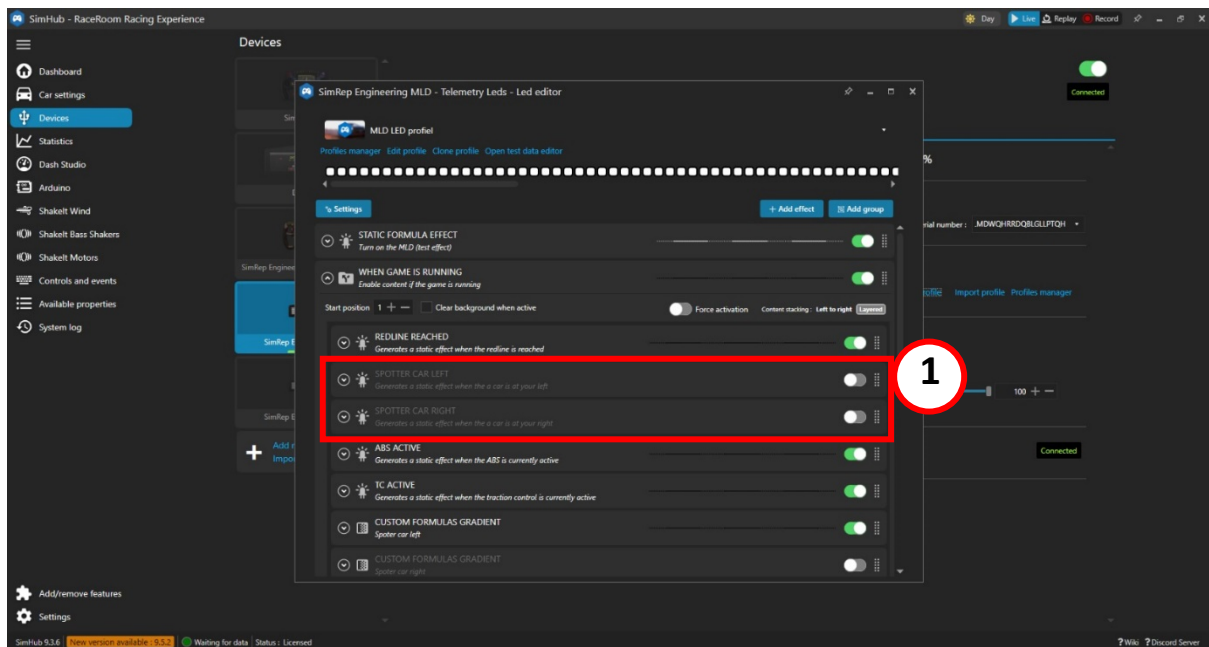
5.4. Setting up your left and right MLD

Click on “Edit Profile” (1).



Toggle “Spotter Car Left” or “Car Spotter Right” for the left or right MLD module.

Here you are also able to make other modifications, or turn certain features on or off.



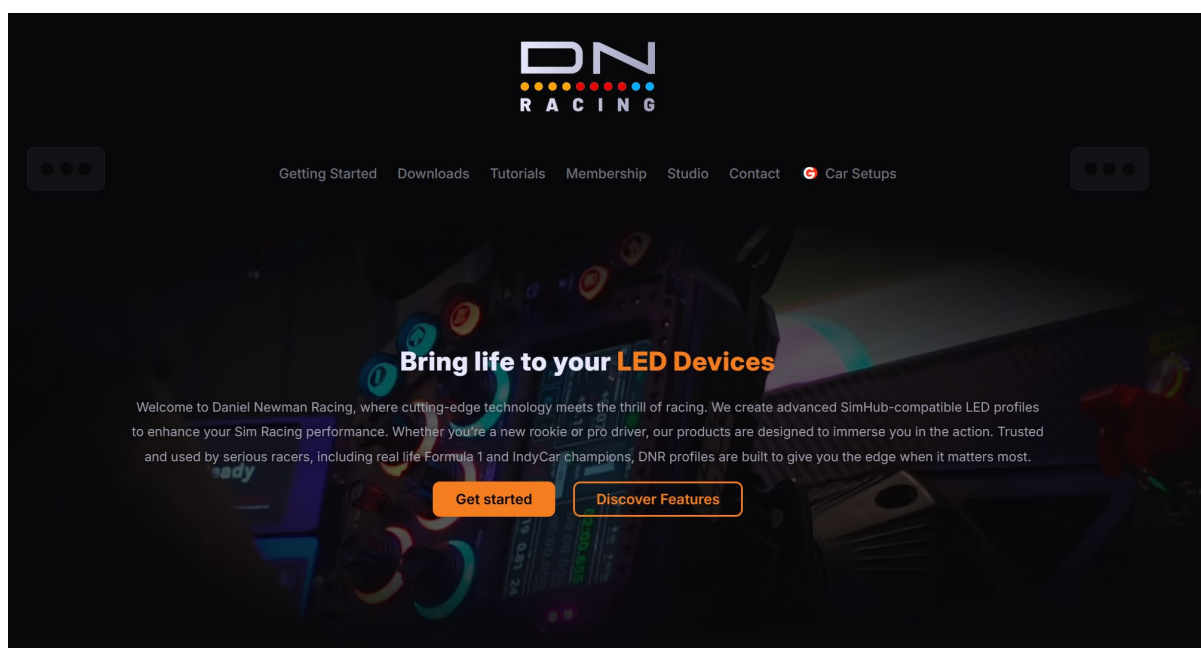
It's possible you have to tweak the brightness a bit between left and right to get a exact brightness match.

5.5. Third party plugins

The MLD – Multi Led Display may be used with third party plugins that control the LED profiles.

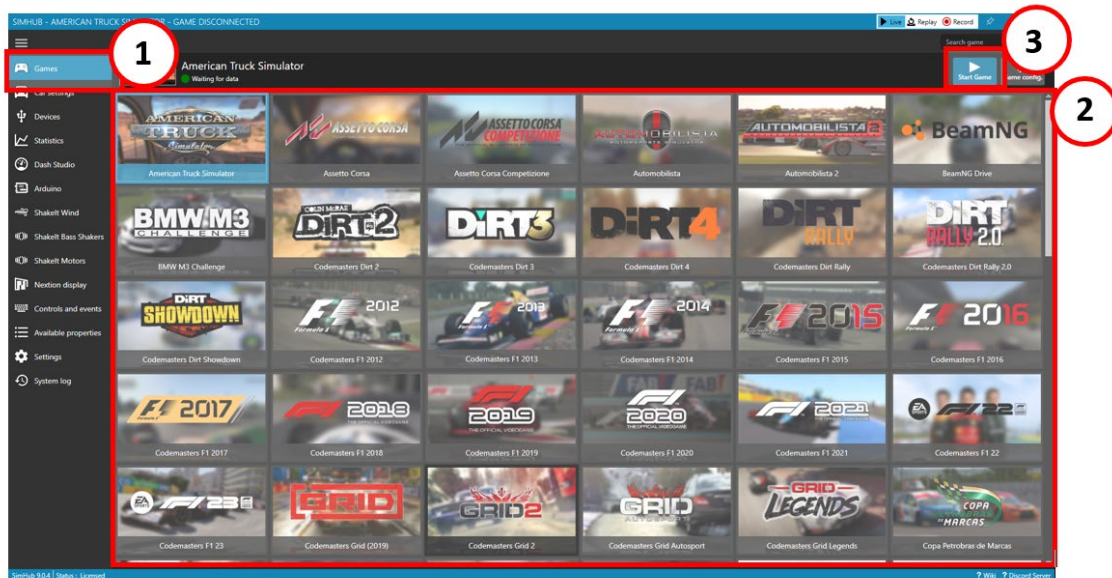
Daniel Newman Racing – Custom LED profiles for the MLD available from December 20th.

For installation of the DNR plugin, please visit their [website](#).



5.6. Starting a game

Go to the “Games” tab **(1)**, select your game **(2)** and click “Start Game” **(3)**.



Having any other trouble? Contact our customer support at info@simrep-engineering.com