BUTTON BOX LED PROFILES
Instructions

Daniel Newman Racing is where cutting edge technology meets the thrill of online racing. We specialise in crafting some of the most advanced SimHub compatible LED profiles designed to elevate your Sim Racing performance to new heights. Whether you're a seasoned pro, or just starting out, our products are meticulously engineered to immerse you in the heart pounding action of the track.

DNR profiles are built to be different, and used by those serious about winning. The purpose is to make you fast and give you what's important, when, it's most important. Not only used by Sim Racers worldwide, but also trusted by real life Formula One race winners, IndyCar champions, Daytona 24 winners and a plethora of industry leading manufacturers.

The below tutorial will explain the DNR Button Box LED profiles installation and customisation options.

In order to use the Daniel Newman Racing Steering Button Box LED profiles you will need to ensure you have SimHub installed and the latest version installed.

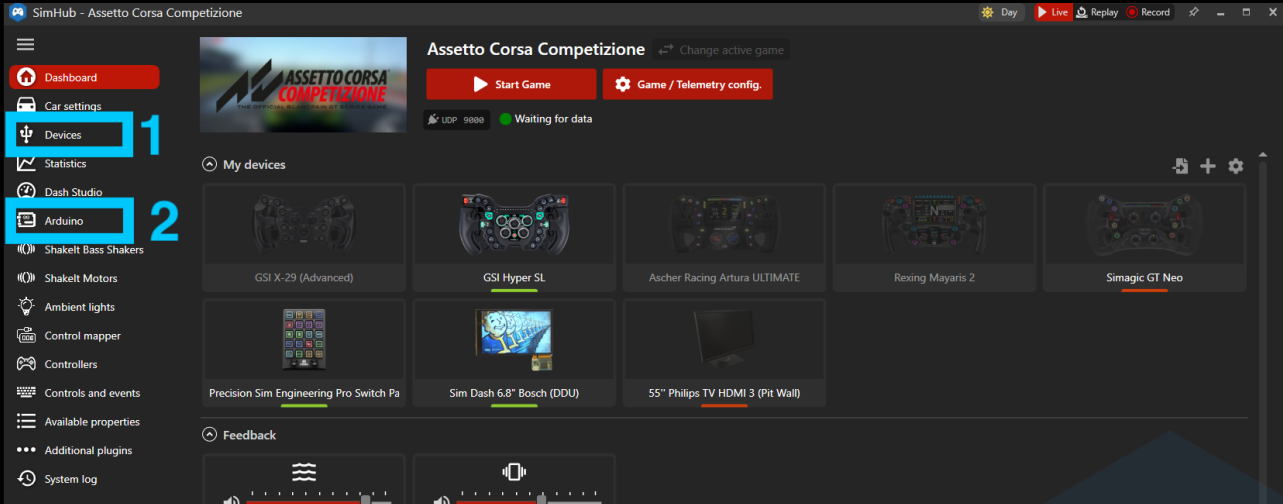You can download SimHub here - https://www.simhubdash.com/

In addition to installing SimHub, you will ned to ensure you have a set of SimHub compatible DDU/RPM device.

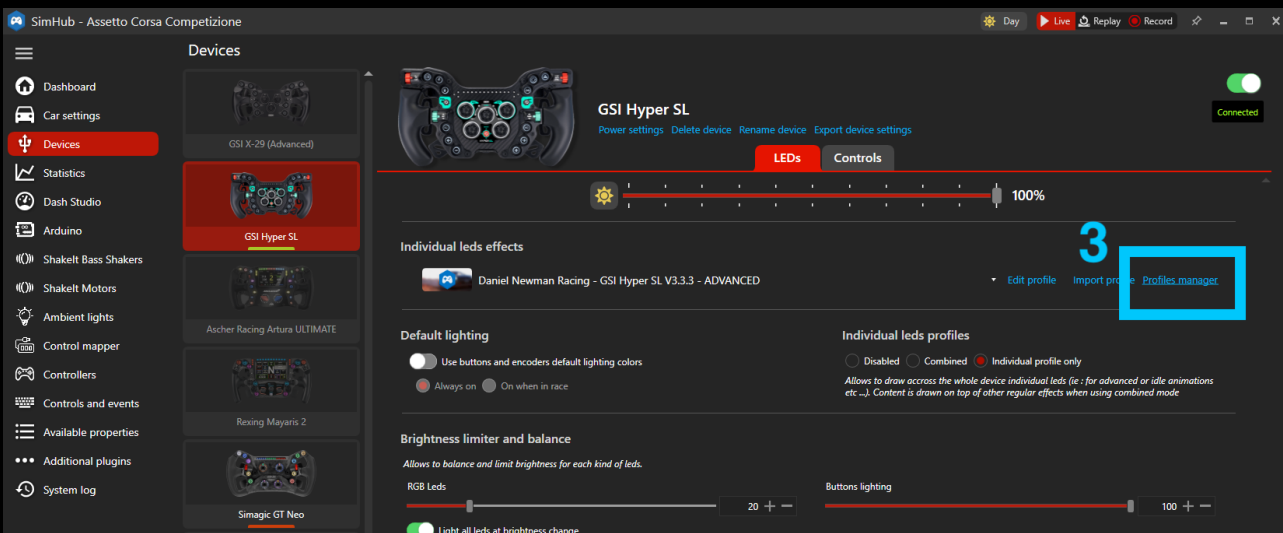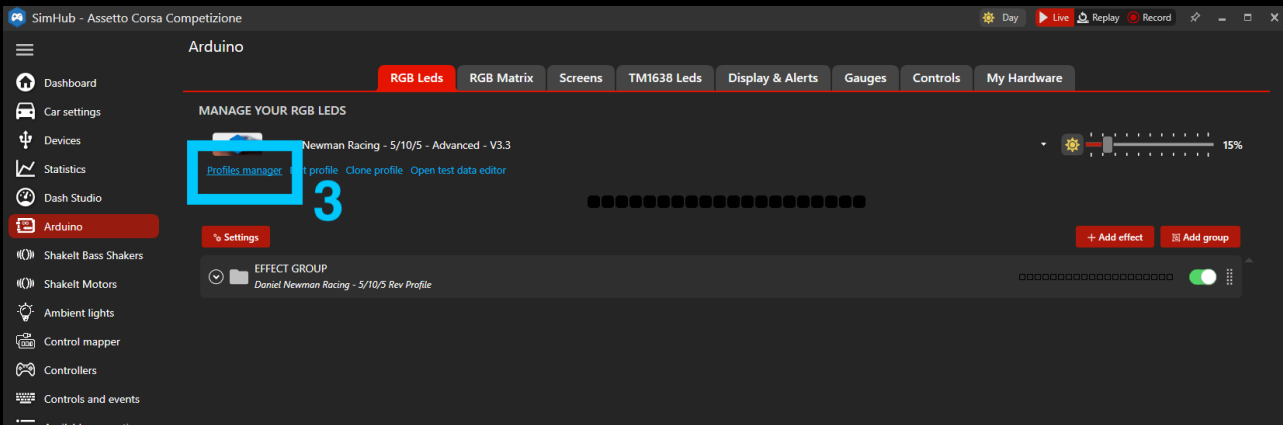A range of Button Box LED options are available on the website to suit many layouts including:

Precision Sim Engineering Pro Switch Panel
Box One Racing - Bor X1 Button Box
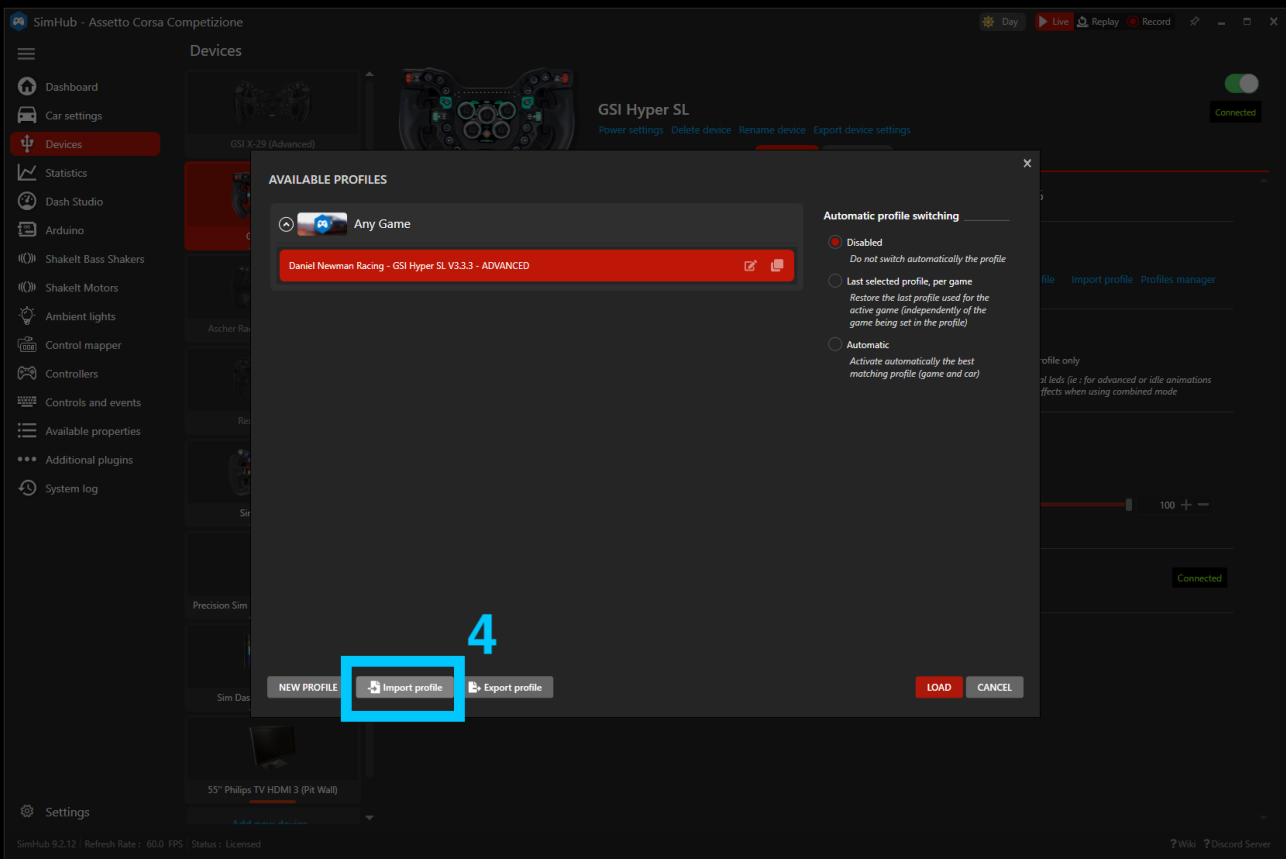
Step 1 - Install the Profile

First you need to open SimHub and navigate to EITHER the Devices page (1) OR the Arduino page (2). This will depend on whether you are adding an LED profile to a SimHub recognised device OR to an Arduino DIY type device. SimHub does not list all manufacturers are supported devices, so be sure to check which open you need.
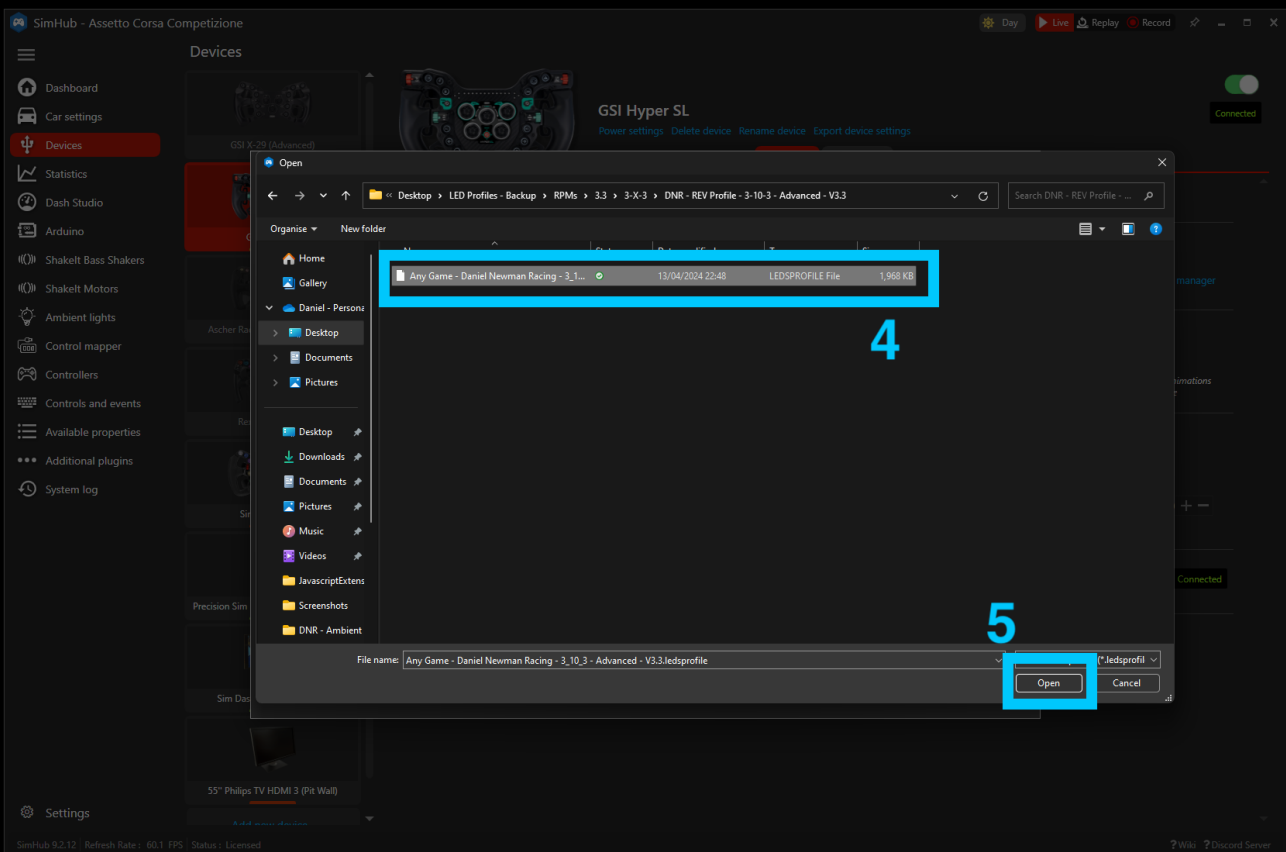

You'll then need to select profile manager (3) on either page to open the import window.
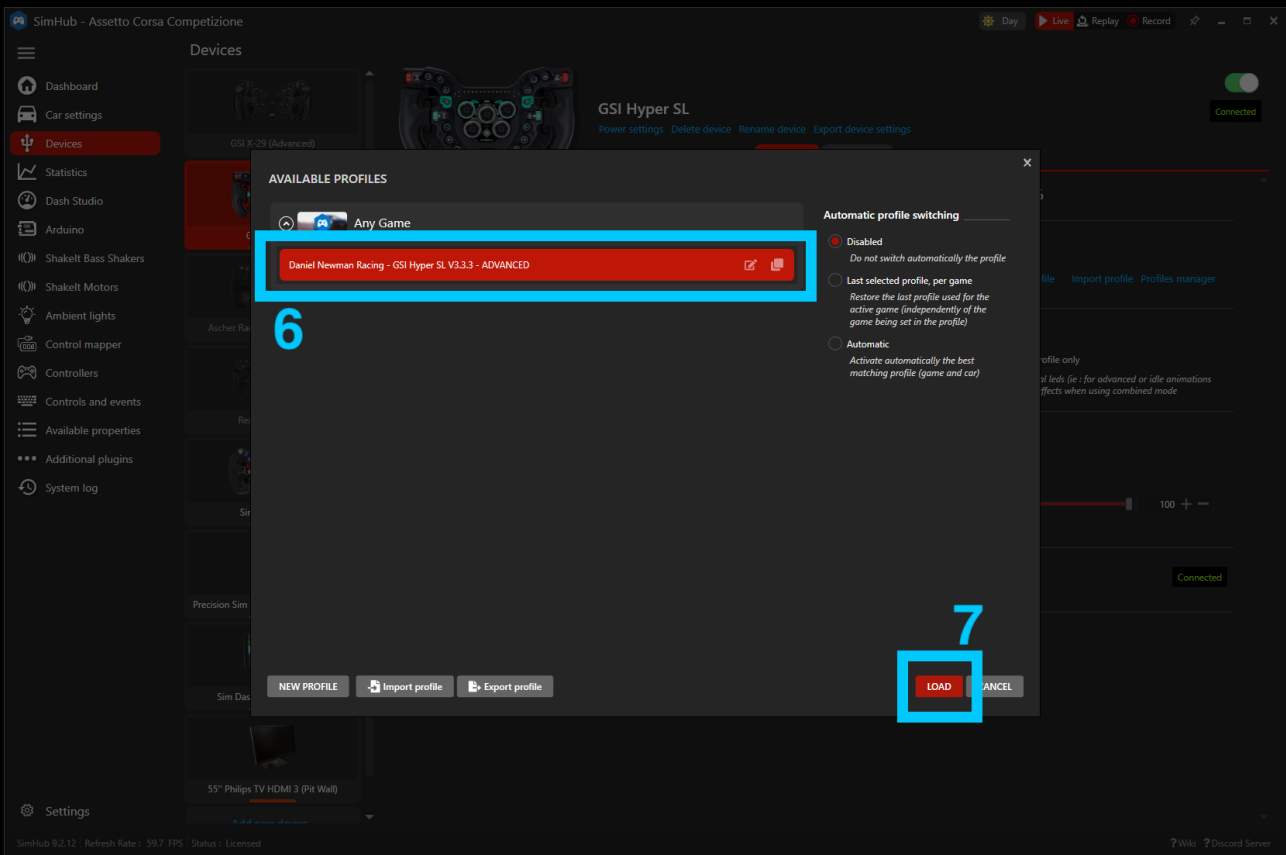
After pressing profiles manager, you will see the screen below, where you can now press 'Import profile' (4).

You now need to navigate your file explorer to the location of the saved profile, select it as shown in number (4), and then press open as per number (5).

Lastly, select the profile in number (6) ensuring you select the correctly named profile, and then press load as per option (7).

The LED Profile is now installed on your DDU / Wheel / RPM telemetry device. The profile has a series of default options loaded within it, but if you wish to customise these to your own preference and taste, please move onto Step 2 below.

The Daniel Newman Racing website (https://www.danielnewmanracing.com) provides an easy to use and automated configurator tool to allow you to customise your profiles. Once the tool has been used a JSON file (the settings file) is generated and used to tell SimHub which preferences you wish to follow. As the Daniel Newman Racing library is large, the JSON file will adjust the preferences of all your DNR profiles, so ensure when making changes, you do them with all devices in mind.

In this section we will skip to the relevant configurator options for this profile (Wheel Button LEDs) and describe what each of the options does.

Button Box Menu Colour
Daniel Newman Racing / Lovely Dashboard (Default) / Red / Blue / Green / Yellow / Orange / Purple / Pink / White / Arctic / Sunset / Rainbow / Citrus / Tokyo / Gulf Oil Theme

This setting allows you to select the colour of the Button Box when SimHub is launched and the game is NOT launched (i.e on Desktop and in Menus). 16 colour options exist to allow you to match your Wheel Buttons to your taste, pairing with the theming of your rig, or integrating the colours with other SimHub compatible devices running DNR LED profiles (Wheels for instance).

Button Box Game Colour

Button Box Menu Colour	Daniel Newman Racing Theme (Default) ⌄

This setting allows you to select the colour of the button box buttons whilst in menus and out of game. By default, Daniel Newman Racing Theme is selected, which provides a red, white & blue colour scheme.

Button Box Game Colour
Daniel Newman Racing / Lovely Dashboard (Default) / Red / Blue / Green / Yellow / Orange / Purple / Pink / White / Arctic / Sunset / Rainbow / Citrus / Tokyo / Gulf Oil Theme

This setting allows you to select the colour of the Button Box when SimHub is launched and the game IS launched. 16 colour options exist to allow you to match your Button Box to your taste, pairing with the theming of your rig, or integrating the colours with other SimHub compatible devices running DNR LED profiles (Wheels for instance).

Button Box Game Colour	Lovely Dashboard Theme (Default) ⌄

This setting allows you to select the colour of the button box buttons whilst inside a Sim or game session. By default, Lovely Dashboard Theme is selected, which provides a colour scheme that pairs with the Lovely Dashboard.

Button Box Pit Limiter
ON (Default) / OFF

This setting allows you to turn ON/OFF the traditional blue and white Speed/Pit Limiter animation.

Button Box Pit Limiter	ON OFF

Turn ON/OFF an animation showing when the cars speed limit is activated on a button box.

Button Box Flags
ON (Default) / OFF

This setting allows you to turn ON/OFF in game Flag animations on your Button Box. Typically a flag will illuminate all buttons on the button box in the colour of the flag.

Button Box Flags   **ON** OFF

Turn ON/OFF flag animations on your button box.

Wheel Engine Engine Start
ON (Default) / OFF

This setting allows you to turn ON/OFF a white 'needle sweep' effect that signals an engine start on the Button Box.

Button Box Engine Startup Animation   **ON** OFF

Turn ON/OFF left an animation on your button box that performs a 'needle sweep' when the cars engine turns on.

White Flag Final Lap Duration
1-60 (seconds) / Default is 10

This setting allows you to set the maximum time period in seconds that the final lap white flag is displayed for.

White Flag Final Lap Duration

`10`

VERSION 3.4 ONLY - This setting allows you to select the length of time (in seconds) the white flag displays for after being shown for the final lap. For example, do you want the white flag to show the entire lap? A Nordschleife/Nürburgring lap means you could have a 9 minute long flag. 10 Seconds is the default.

True Dark Mode - Lovely Dashboard Behaviour
On (Default) / OFF

This setting allows you to mimic the behaviour of the Lovely Dashboard Settings file for those who use it as far as True Dark Mode is concerned. Turning it ON will automatically take the ON/OFF True Dark Mode state from the Lovely Dashboard settings file. It will also copy and match the corresponding True Dark Mode colour state from the Lovely Dashboard mirroring it on your LEDs also.

TDM Lovely Dashboard Behaviour   **ON** OFF

Where users of the Daniel Newman Racing LED profiles also have the Lovely Dashboard with settings file installed, copying the Lovely Dashboard True Dark Mode behaviour above, will automatically take the ON/OFF True Dark Mode state from the Lovely Dashboard settings file. It will also copy and match the corresponding True Dark Mode colour state from the Lovely Dashboard mirroring it on your LEDs also.

True Dark Mode
On (Default) / OFF

This setting will enable or disable the use of True Dark Mode for users who do not have the Lovely Dashboard installed.

TDM **ON** **OFF**

This setting will enable or disable the use of True Dark Mode for users who do not have the Lovely Dashboard installed.

TDM Colour
Red (Default) / Blue / Purple / Orange

This setting will allow you to change the colour of True Dark Mode used when activated between one of 4 colours listed above.

TDM Colour   Red   ⌄

This setting will select the colour of True Dark Mode LEDs for users who do not have the Lovely Dashboard installed and thus are missing that settings file OR for when copying the Lovely Dashboard behaviour has been disabled.

TDM Hotkey
User Configurable

This setting will allow you to set the hotkey used to activate True Dark Mode for where the Lovely Dashboard settings file is not present or detected. It will also allow you to turn on True Dark Mode independently if you wish to do so.
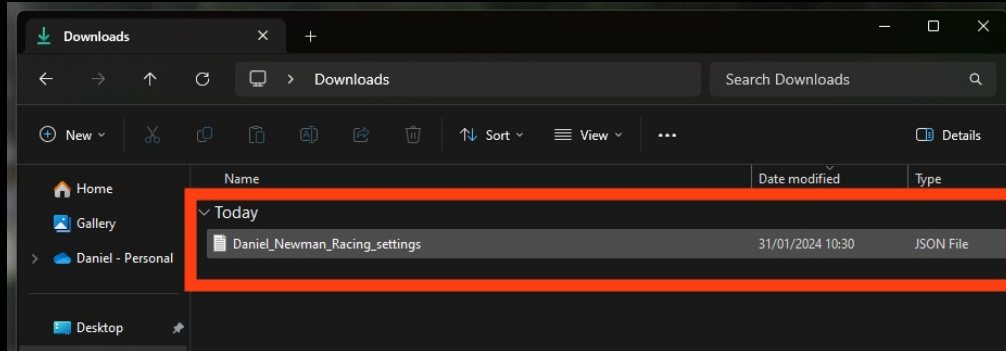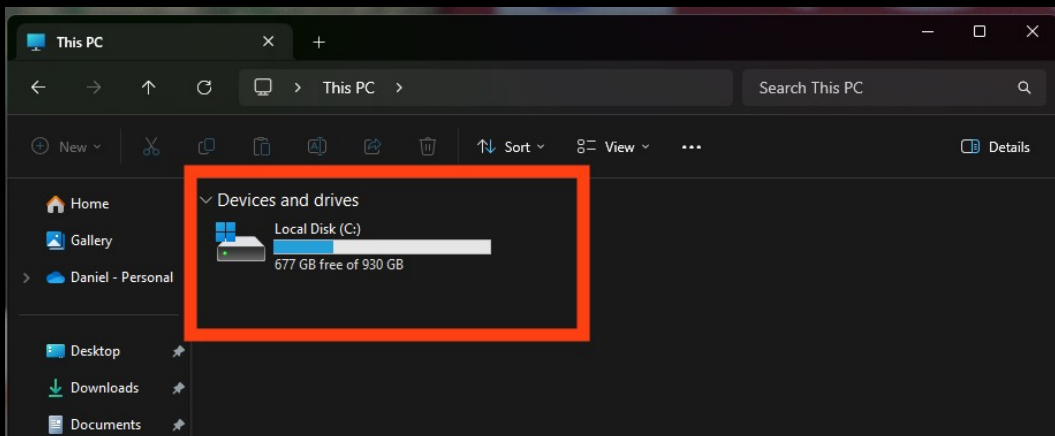
TDM Hotkey   Alt+Shift+D

Put any hotkey here to be able to switch to TDM - This LED profile will automatically connect to the Lovely Dashboard settings file (if present) and mirror the True Dark Mode hotkey used by the Lovely Dashboard. For Users who do not have the Lovely Dashboard installed, this setting instead allows you to set your own independent hot key to turn on True Dark Mode.
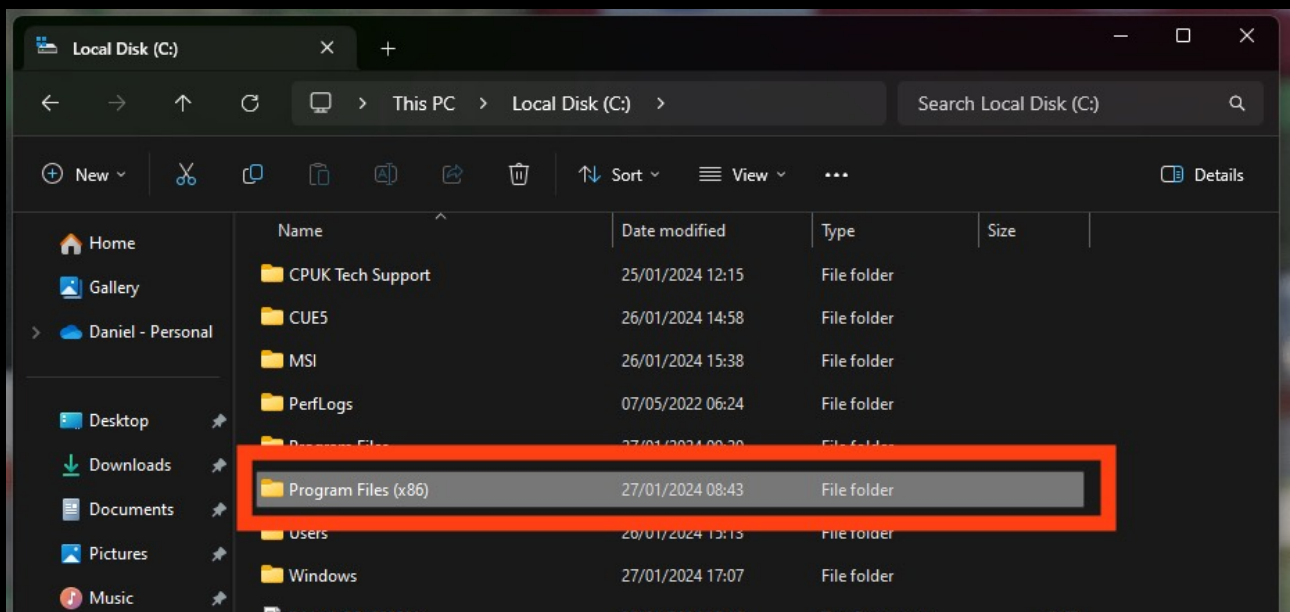
Step 3 - Upload Your Preferences

Once you have chosen your optimum settings in the Daniel Newman Racing configurator via the website, you can then press 'Download File' at the bottom of the page. A new file will then be saved to your computers designated download space and be named 'Daniel_Newman_Racing_settings.json'
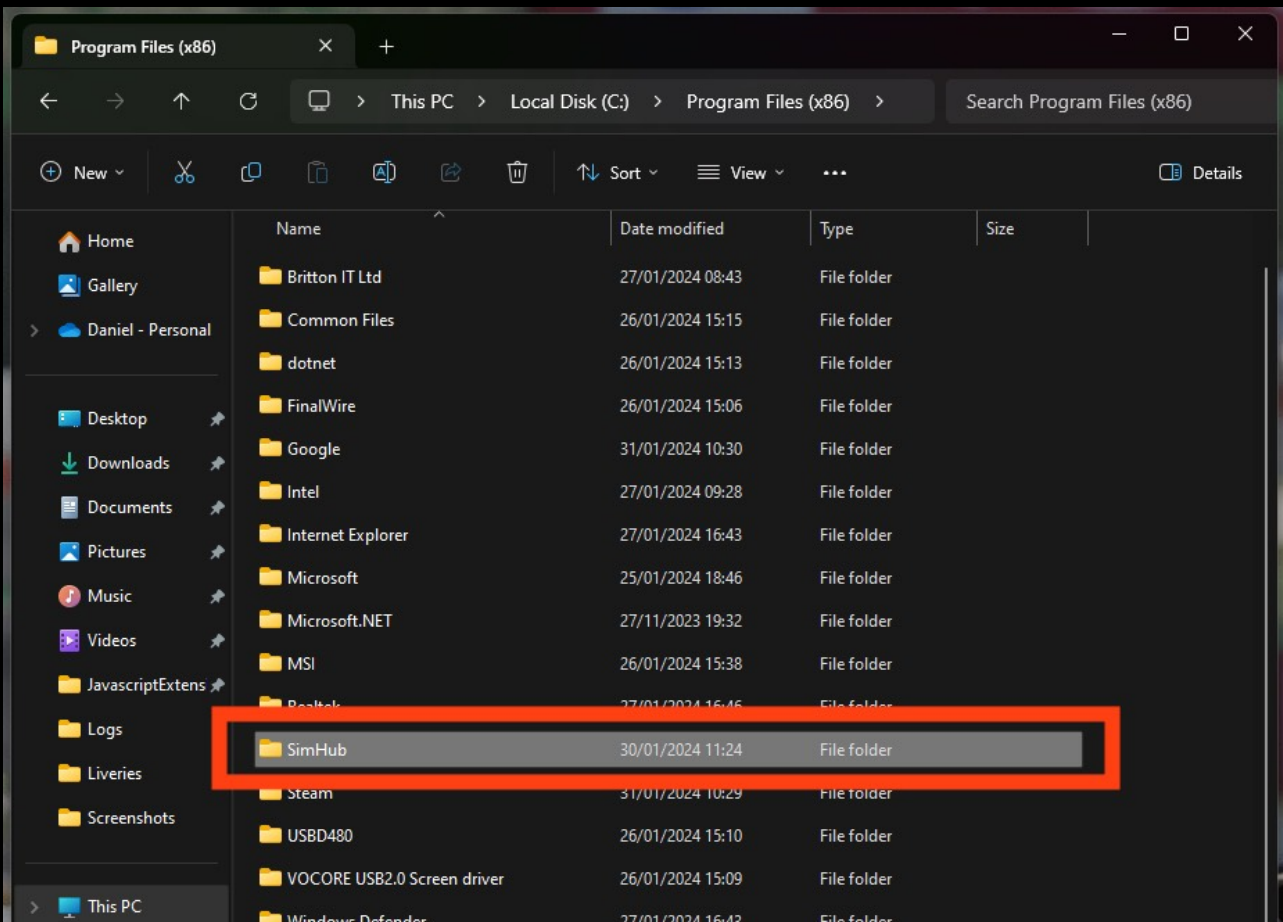

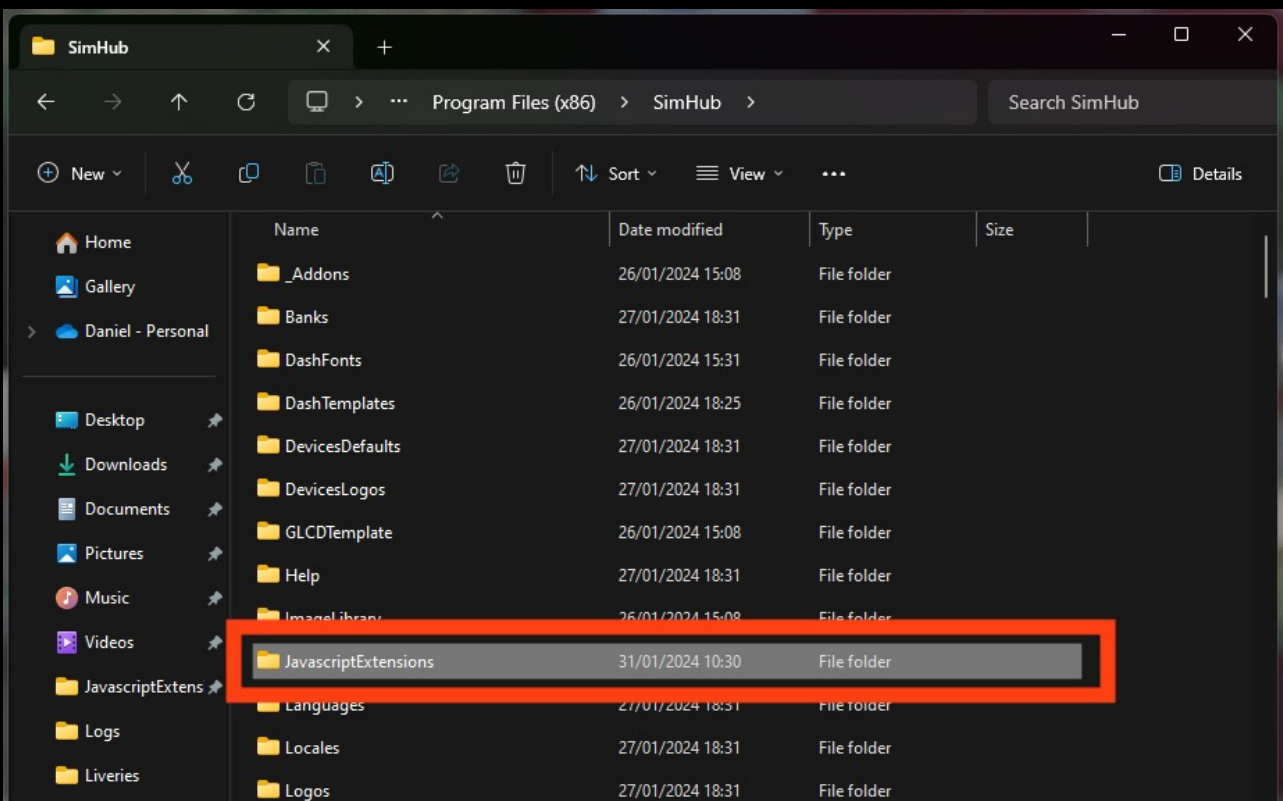The file now needs copying to the SimHub JavascriptExtensions folder. Locate your PCs main C: Drive
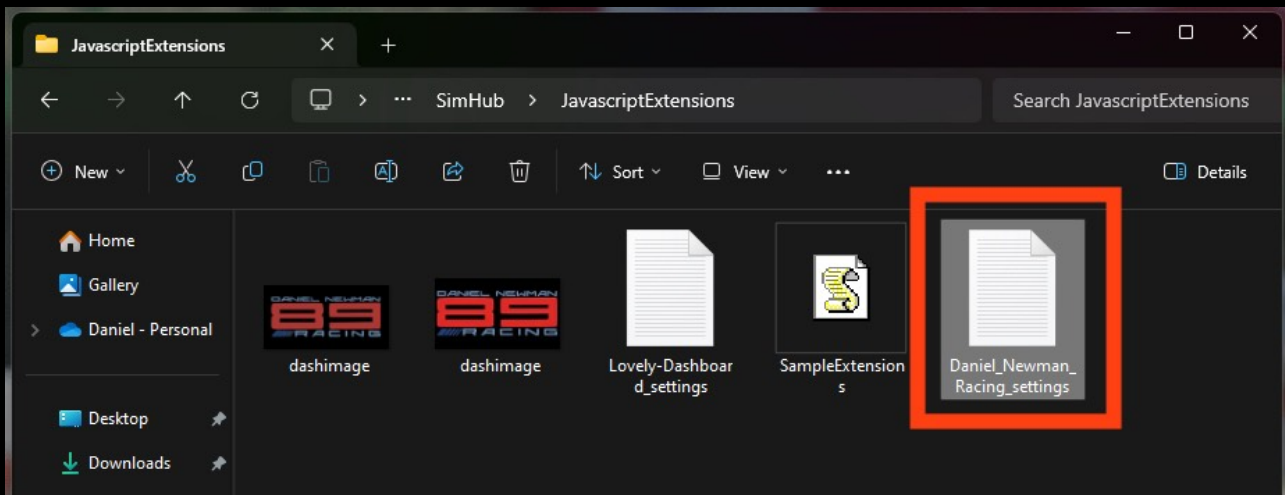

Enter the Programme Files section (x86)

When in the Programme Files folder, locate the SimHub folder

Then locate the JavascriptExtensions folder

Now copy and paste (or move), your Daniel_Newman_Racing_settings.json file into this folder

Your JSON 'settings file' is now copied to its correct location. In order for the changes to take effect you will need to restart SimHub by ensuring the application is CLOSED, and then reopened.

For any further issues and troubleshooting you can contact Daniel Newman Racing via the website (https://www.danielnewmanracing.com) or via email at daniel@danielnewmanracing,com

Alternatively you could join the excellent Discord Community, where somebody will be able to assist you: https://discord.gg/GAXEGnZawS

If you like the work created by Daniel Newman Racing, you can also become a member of contribute towards the ongoing development here: https://www.ko-fi.com/danielnewmanracing