RPM 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 RPM LED profiles installation and customisation options.

In order to use the Daniel Newman Racing RPM 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.

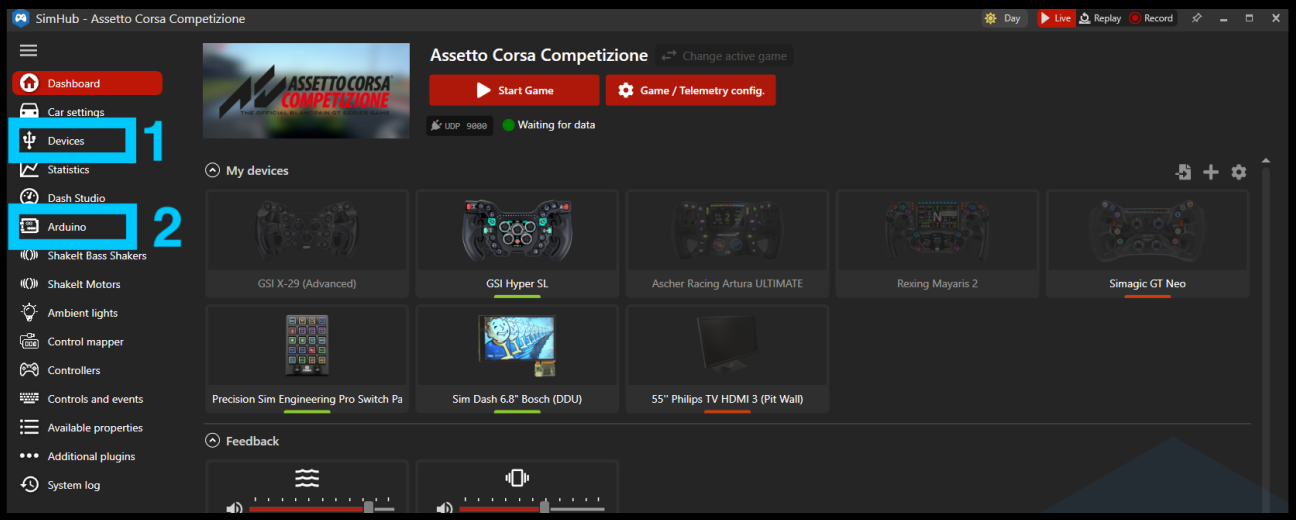
A wide range of RPM LED options are available on the website to suit many layouts including:

3/10/3 - 3/11/3 - 3/12/3 - 3/13/3 - 3/14/3 - 3/15/3 - 3/16/3
4/10/4 - 4/11/4 - 4/12/4 - 4/13/4 - 4/14/3 - 4/15/4 - 4/16/4
5/10/5 - 5/11/5 - 5/12/5 - 5/13/5 - 5/14/5 - 5/15/5 - 5/16/5

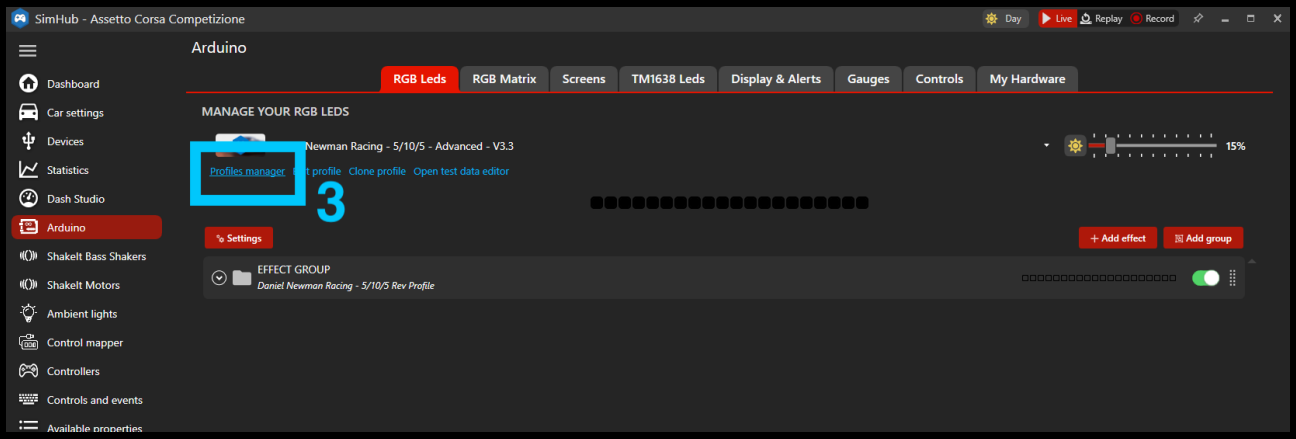
0/16/0 - 5/20/5 - 6/21/6 - 9/3/10/3/9 - 3/10/3/9/9 - 4/3/14/3/4 - 4/3/12/3/4 - 4/3/12/3/4 - 2/5/14/5/2

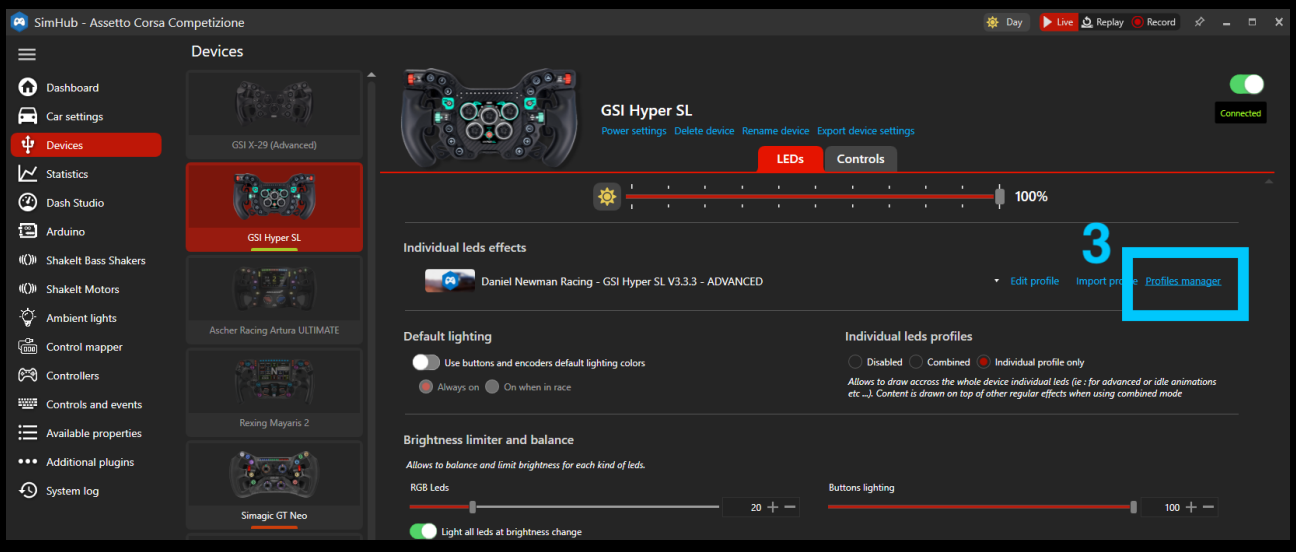
Step 1 - Install the Profile

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.

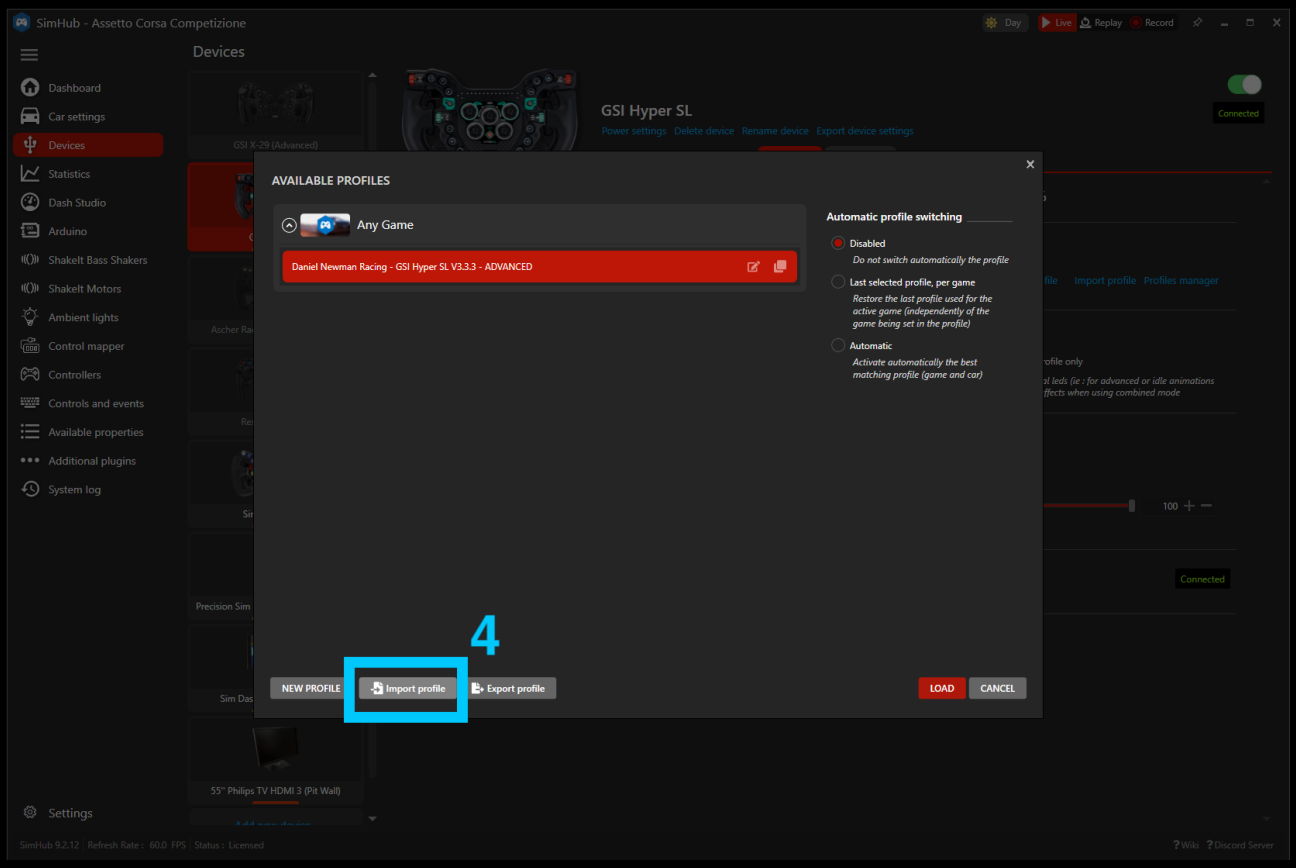


You'll then need to select profile manager (3) on either page to open the import window.

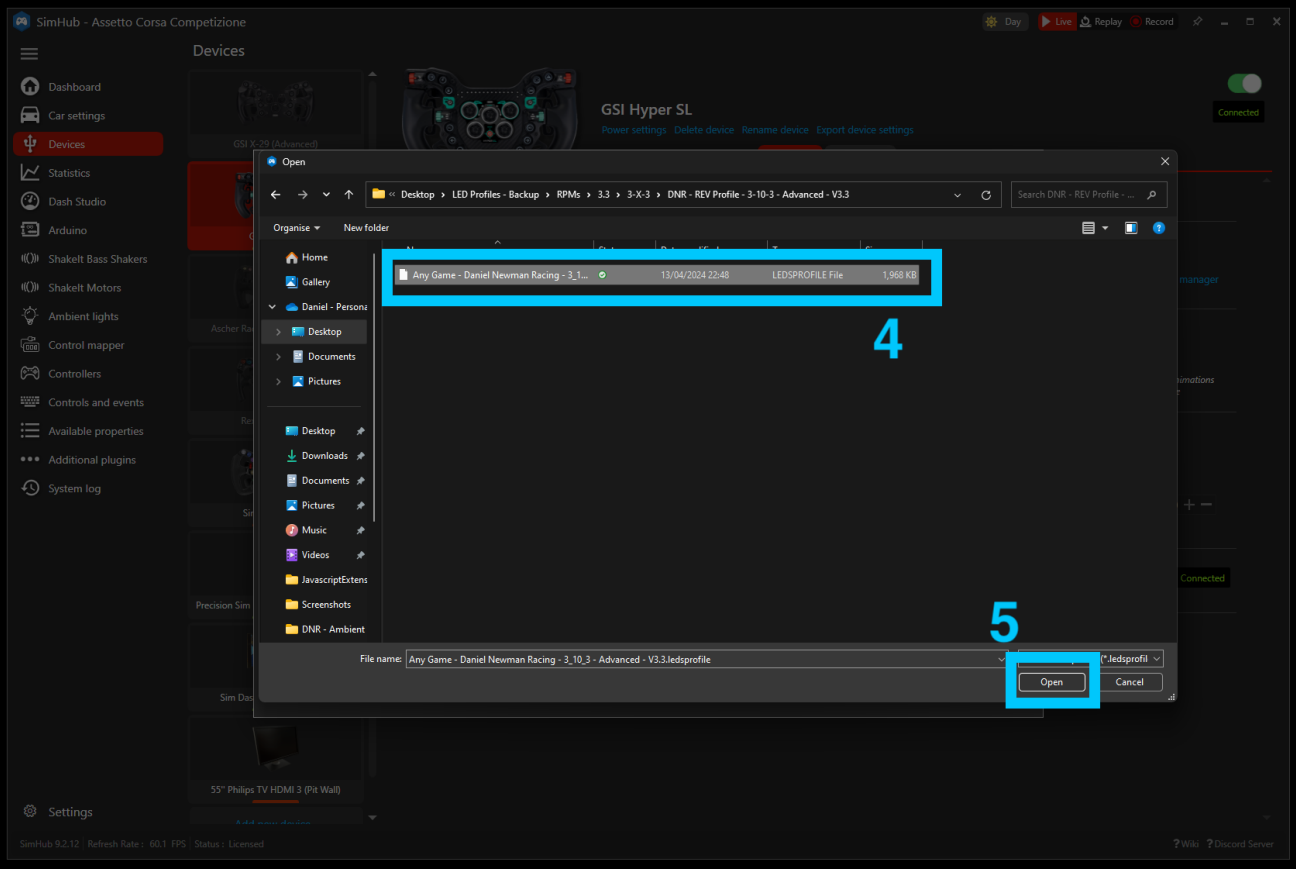




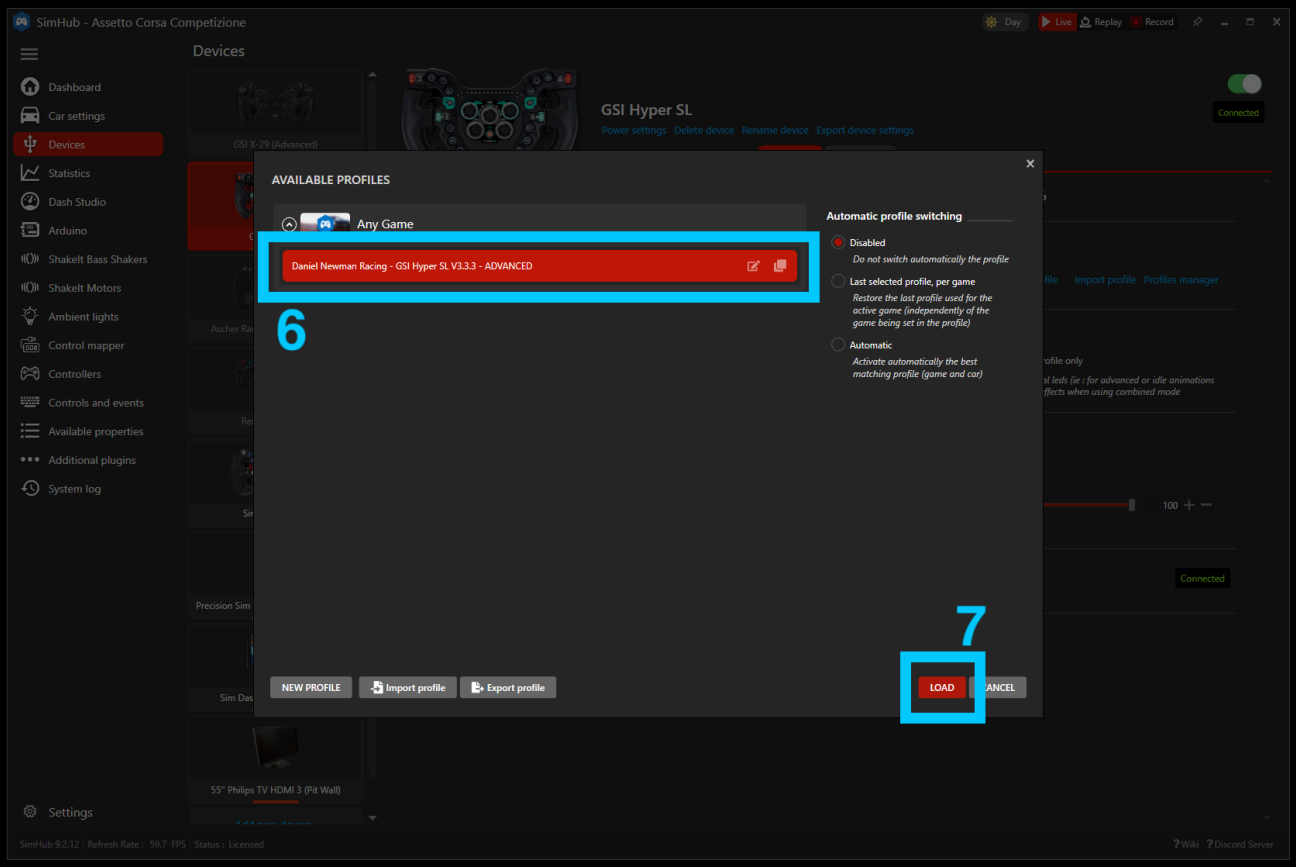
After pressing profiles manager, you will see the screen below, where you can now press 'Import profile' (4).



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.

Step 2 - Customise Your Preferences.

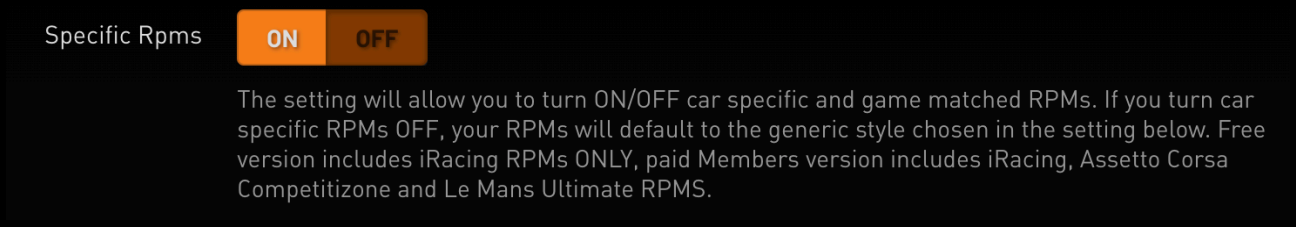
The Daniel Newman Racing website (https://www.danielnewmanracing.com) provides an easy to use and automated configurator tool to allow you to customise your profiles. Once the tool has been used a JSON file (the settings file) is generated and used to tell SimHub which preferences you wish to follow. 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 (RPM LEDs) and describe what each of the options does.

Specific RPMs
ON (Default / Off

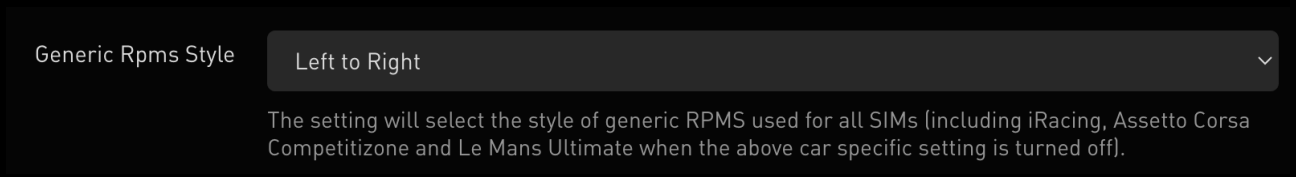
This setting allows you to activate car specific and game matched values for games that support it. In the FREE profiles only iRacing is included (courtesy of Yoep De Ligt). In the premium member only profiles Assetto Corsa Competitizone and Le Mans Ultimate is also included.

Car specific and game matched RPMs mean that, the LED lights of your device will mirror what is shown on screen, both in colour, amount and timing. This is the most optimal and accurate data available. Where this data is not available, generic data will be used instead. If you turn this setting off Generic RPMs will be used instead.



Generic RPMs Style
Left to Right (Default) / Meet In the Middle / F1 Style

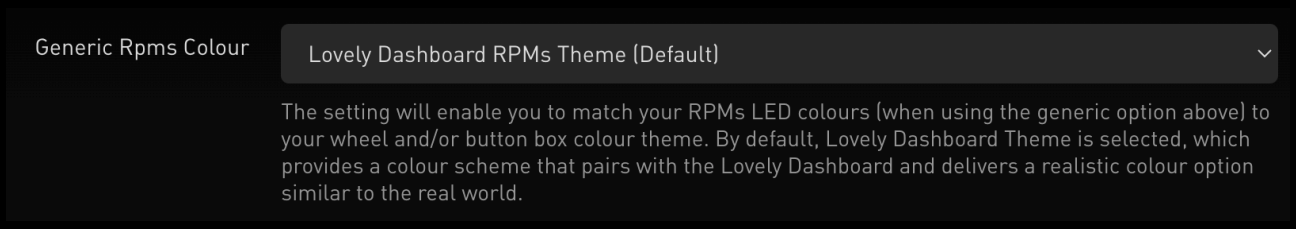
This setting allows you to select the style of generic RPMs that are used when the car specific data in the previous option is not used.



Generic RPMs Colour

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

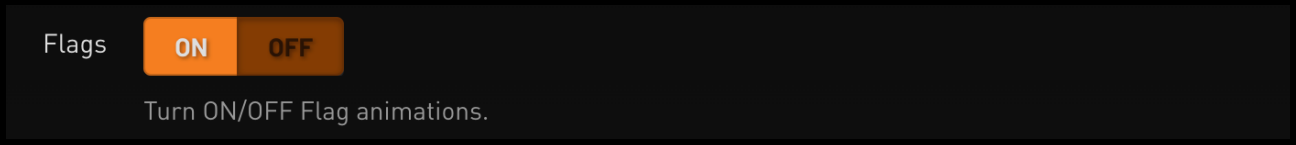
This setting allows you to select the colour of the generic RPMs that are used when the generic profile is selected. 16 colour options exist to allow you to match your RPMs to your taste, pairing with the theming of your rig, or integrating the colours with other SimHub compatible devices running DNR LED profiles (Wheels for instance).



Flags

ON (Default) / OFF

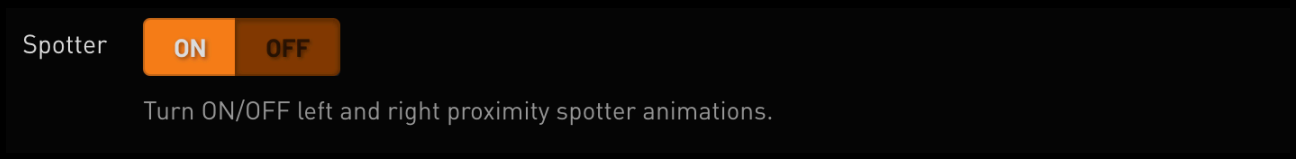
This setting allows you to turn ON/OFF in game Flag animations on your DDU/Wheel on the telemetry/RPM lights.



Spotters

ON (Default) / OFF

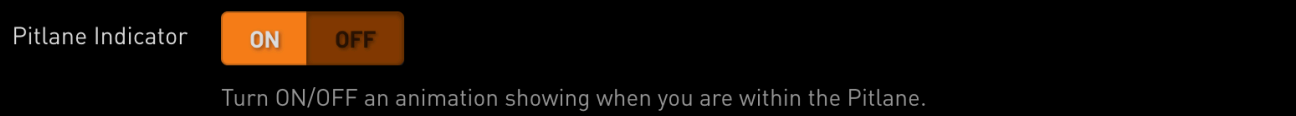
This setting allows you to turn ON/OFF in game Spotter animations telling you whether there are cars to your left or your right on your DDU/Wheel on the telemetry/RPM lights.



Pit Lane Indicators

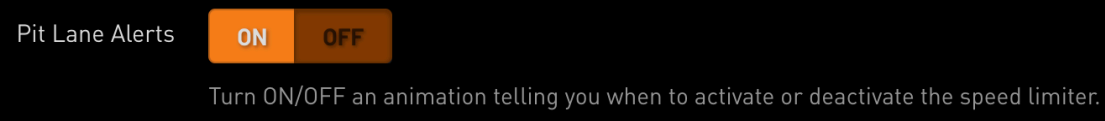
ON (Default) / OFF

This setting allows you to turn ON/OFF a flashing animation telling you that you are in the pit lane with (blue) or without (red) your speed limiter activated.



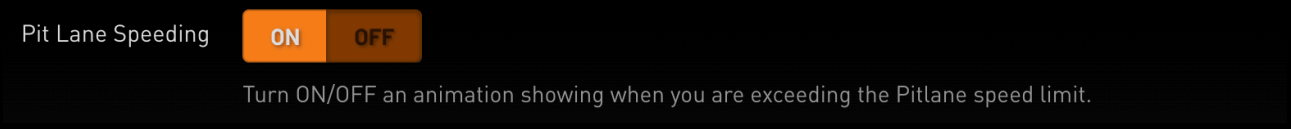
Pit Lane Alerts
ON (Default) / OFF

This setting allows you to turn ON/OFF a flashing animation telling you that you are in the pit lane and need to activate (red) or deactivate as you have closed the line (green) your speed limiter.



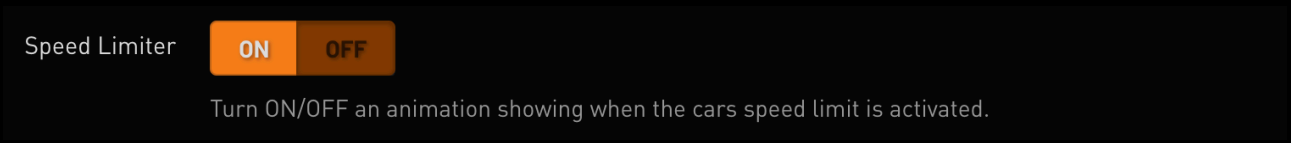
Pit Lane Speeding
ON (Default) / OFF

This setting allows you to turn ON/OFF a flashing red animation telling you that you are in the pit lane you are exceeding the tracks speed limit.



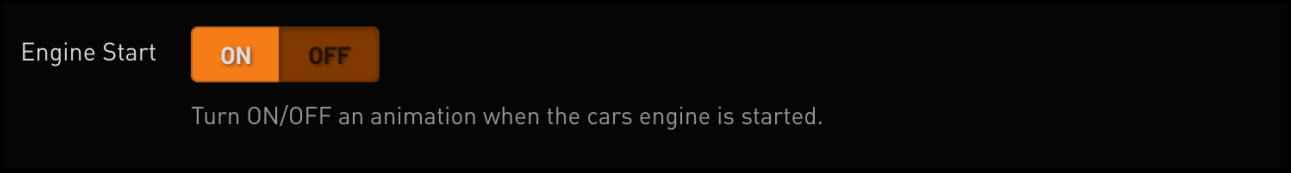
Speed Limiter
ON (Default) / OFF

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



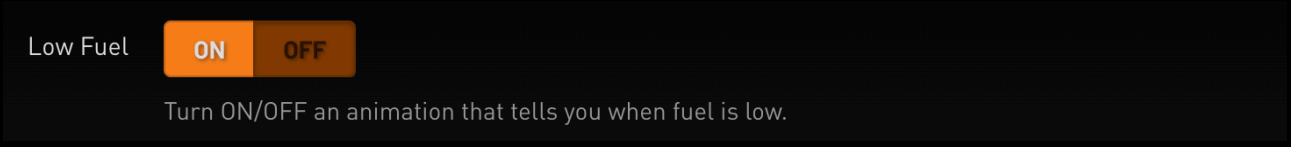
Engine Start
ON (Default) / OFF

This setting allows you to turn ON/OFF a white ‘needle sweep’ effect that signals an engine start.



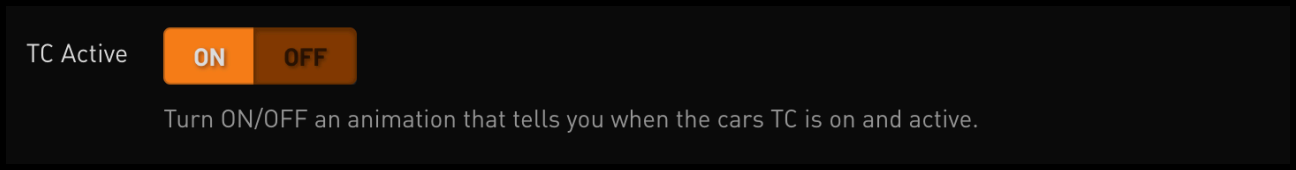
Low Fuel
ON (Default) / OFF

This setting allows you to turn ON/OFF an animation highlighting that your fuel level is low and likely to run out if you do not pit soon.



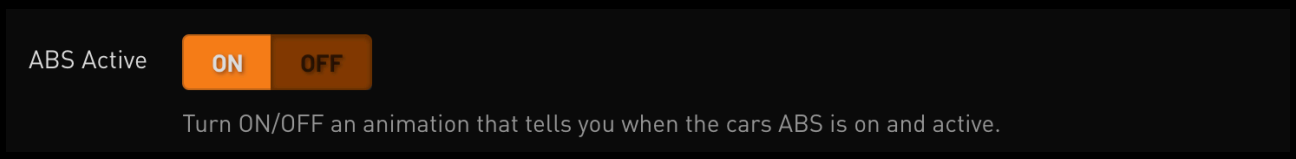
TC Active
ON (Default) / OFF

This setting allows you to turn ON/OFF an indicator flashing when your cars TC status is active. For iRacing this required the dhal plug in as TC telemetry is not output by the game.



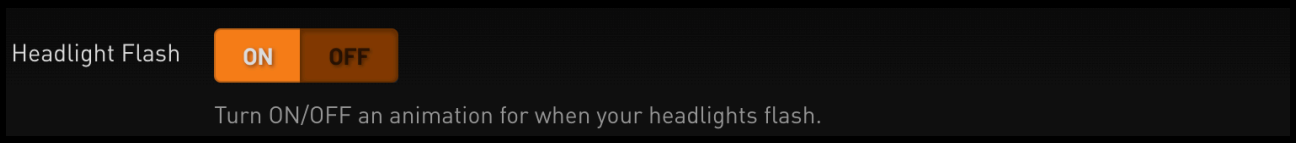
ABS Active
ON (Default) / OFF

This setting allows you to turn ON/OFF an indicator flashing when your cars ABS status is active.



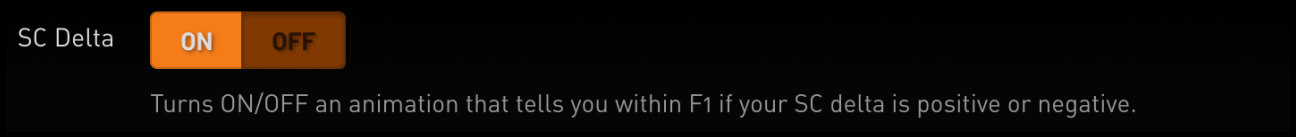
Headlight Flash
ON (Default) / OFF

This setting allows you to turn ON/OFF an headlight flash animation when your cars headlights are flashed.



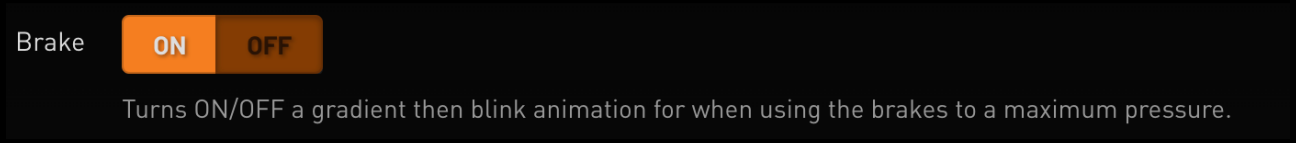
SC Delta
ON (Default) / OFF

This setting allows you to turn ON/OFF an animation for F1 games for when the Safety Car is out and your delta is positive or negative.



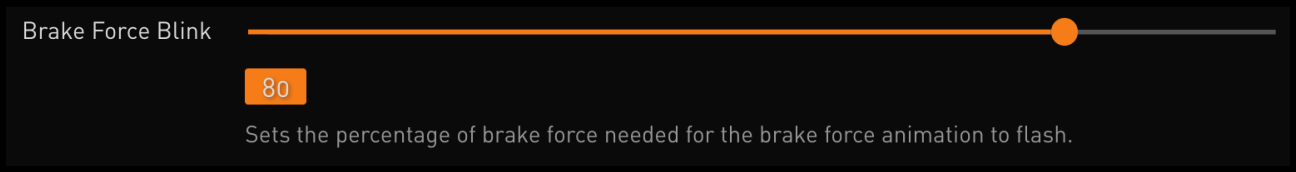
Brake
ON (Default) / OFF

This setting allows you to turn ON/OFF an innovative feature where as the brakes are applied, as the pressure increases the animation gets brighter before flashing when it reaches its maximum state.



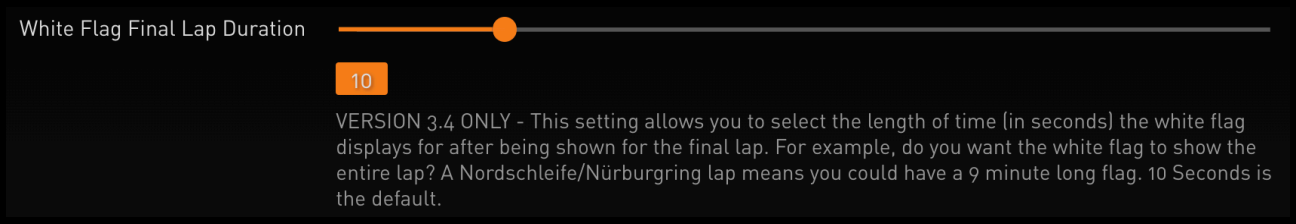
Brake Force Blink
1-100% - Default is 80%

This setting allows you to set the percentage of brake force needed before the above Brake Force Blink setting reaches its maximum value and blinks.



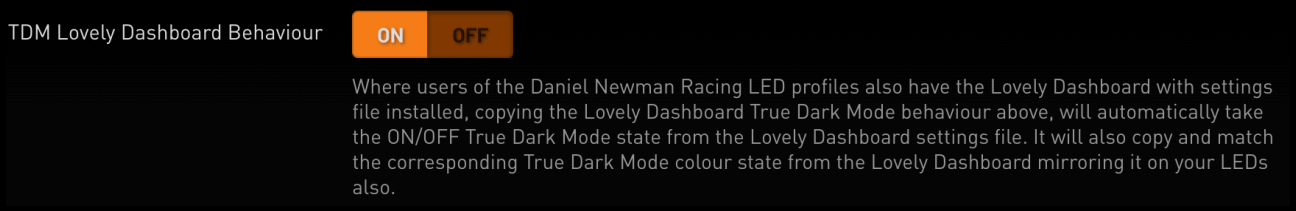
White Flag Final Lap Duration
1-60 (seconds) / Default is 10

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



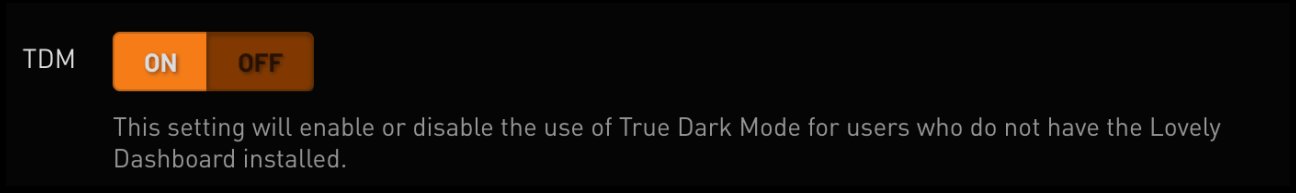
True Dark Mode - Lovely Dashboard Behaviour
On (Default) / OFF

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.



True Dark Mode
On (Default) / OFF

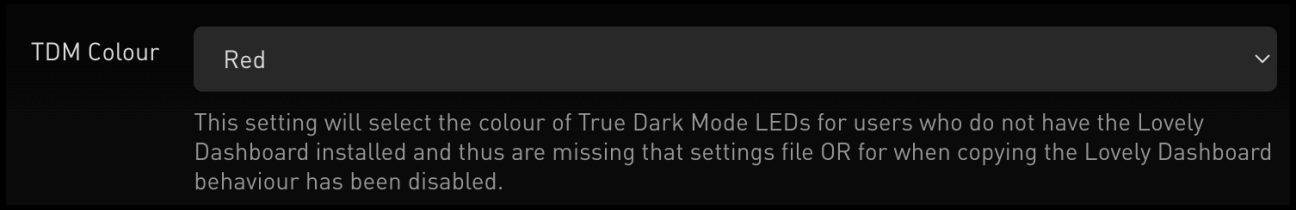
This setting will enable or disable the use of True Dark Mode for users who do not have the Lovely Dashboard installed.



TDM Colour

Red (Default) / Blue / Purple / Orange

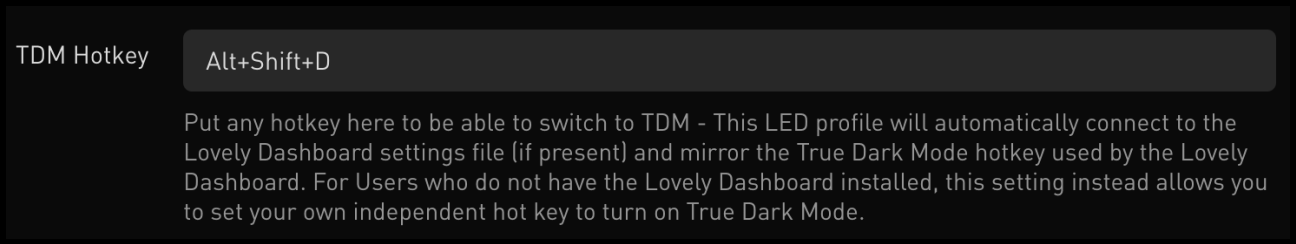
This setting will allow you to change the colour of True Dark Mode used when activated between one of 4 colours listed above.



TDM Hotkey

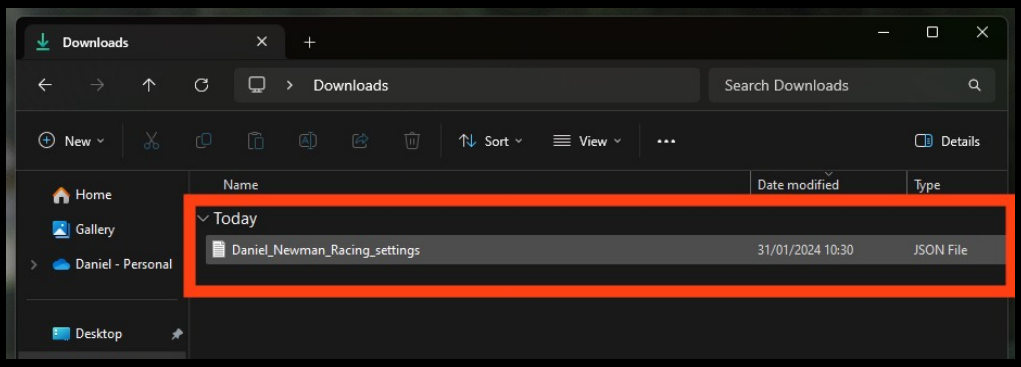
User Configurable

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.

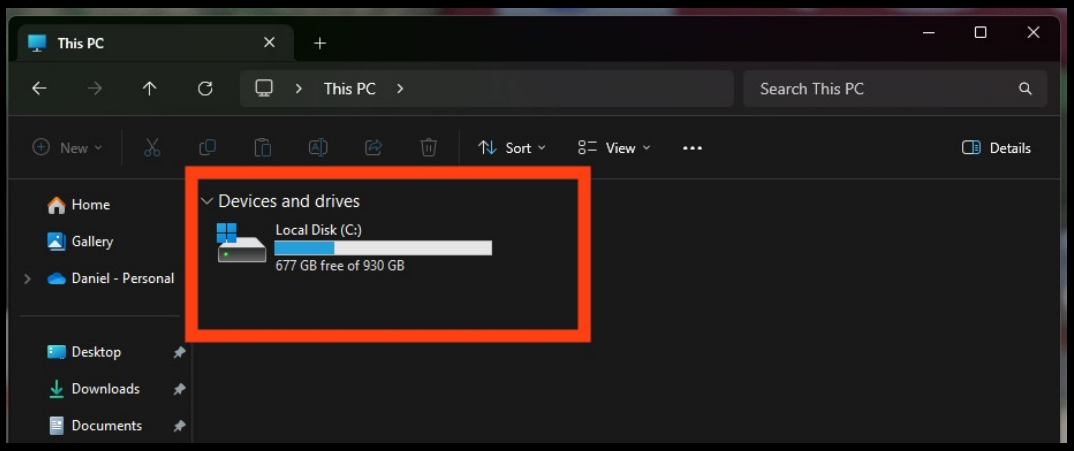


Step 3 - Upload Your Preferences

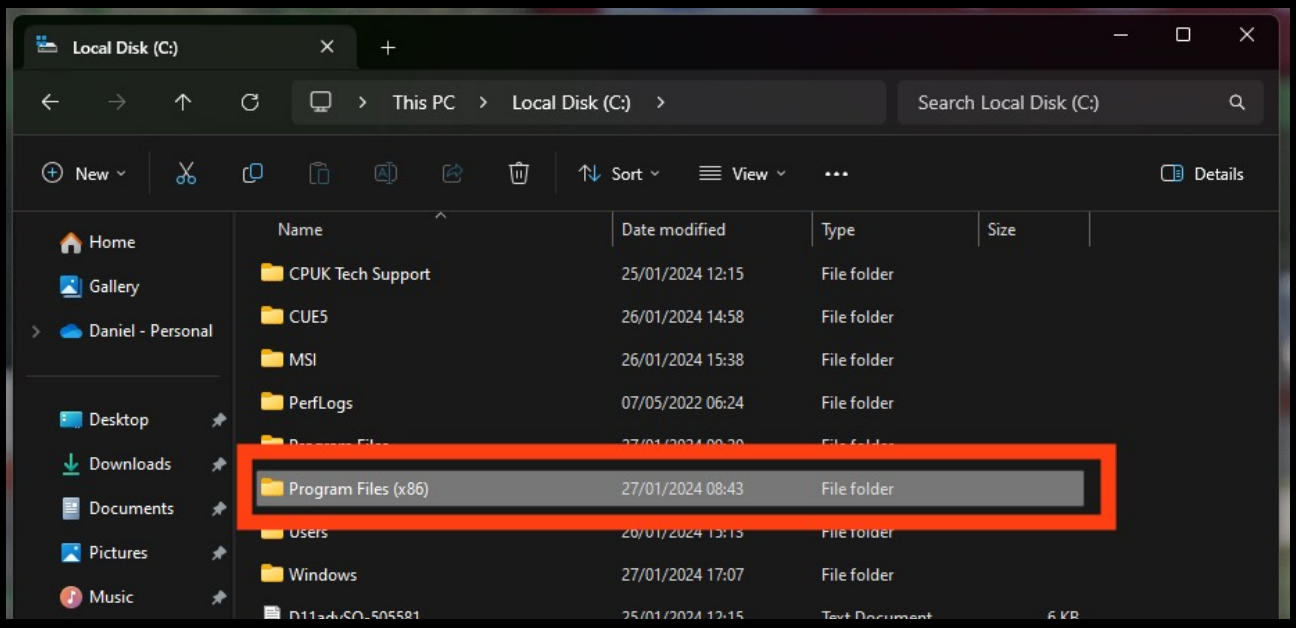
Once you have chosen your optimum settings in the Daniel Newman Racing configurator via the website, you can then press 'Download File' at the bottom of the page. A new file will then be saved to your computers designated download space and be named 'Daniel_Newman_Racing_settings.json'



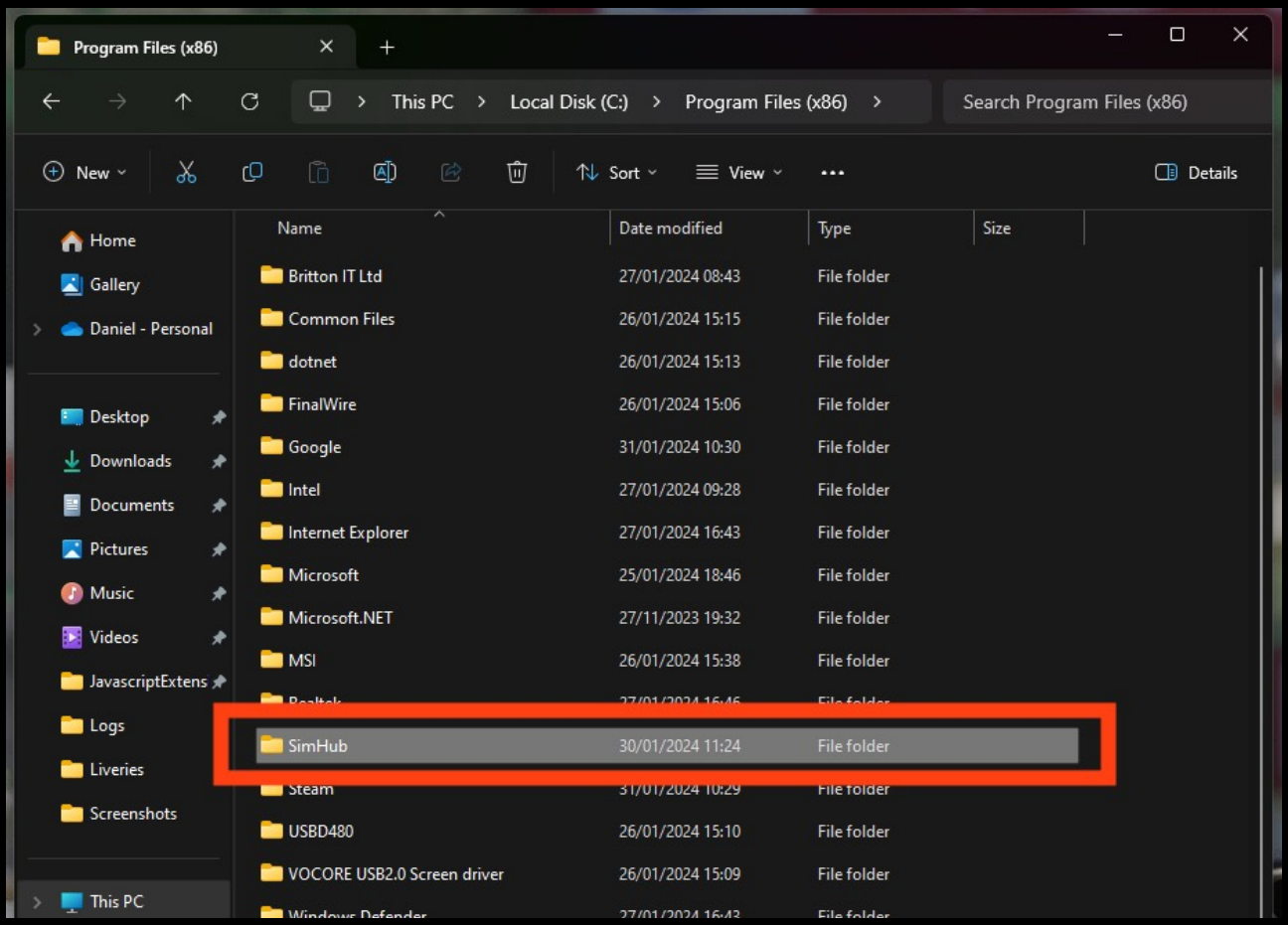
The file now needs copying to the SimHub JavascriptExtensions folder. Locate your PCs main C: Drive



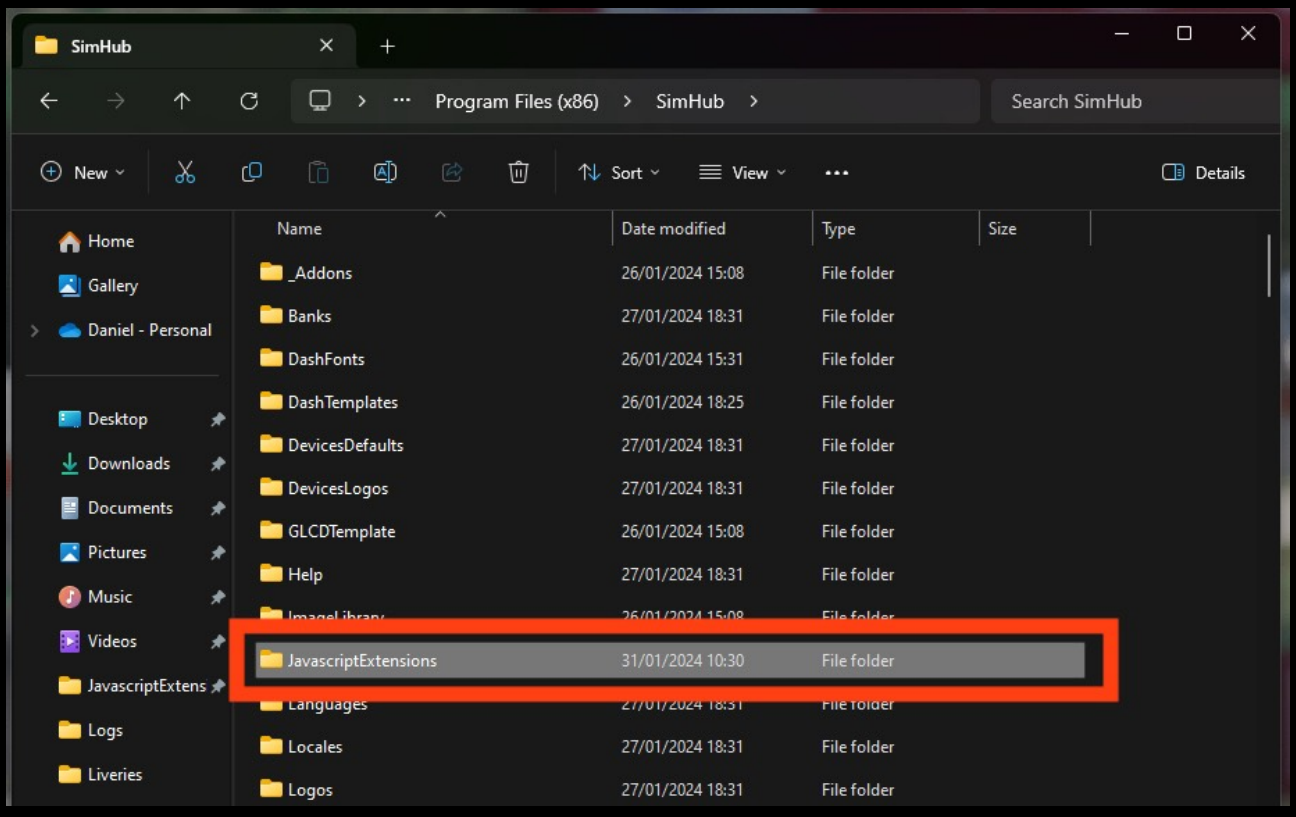
Enter the Programme Files section (x86)



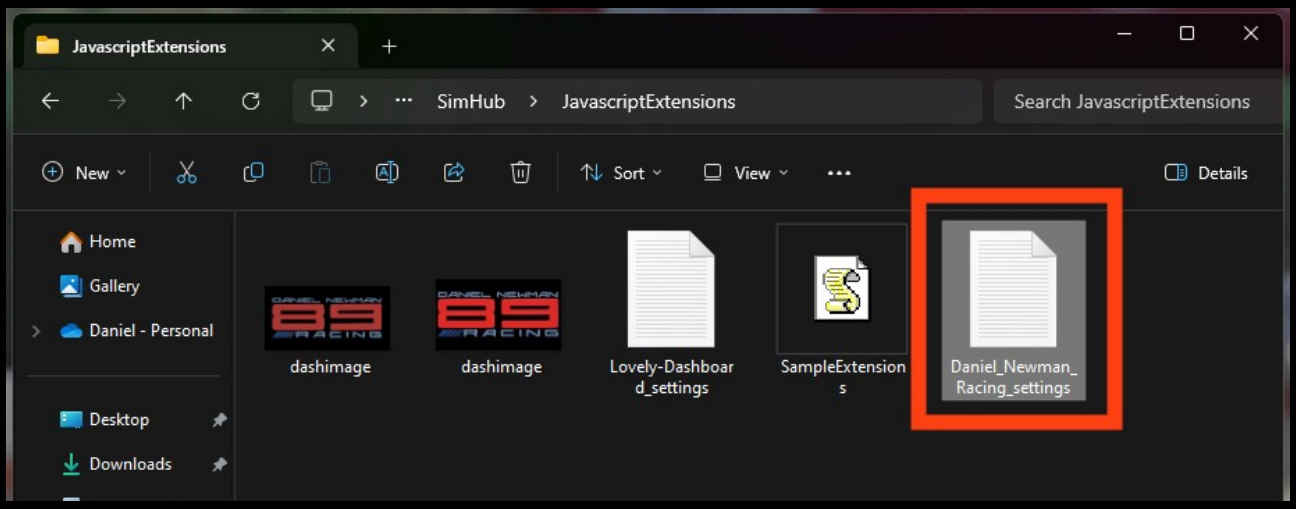
When in the Programme Files folder, locate the SimHub folder



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