

AiM USER Manual

MyChron6/2T management
using RaceStudio 3

Release 1.00





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1 – Introduction

MyChron6 has been designed to be mainly configured using the keyboard but the following operations can only be performed using AiM RaceStudio 3 software:

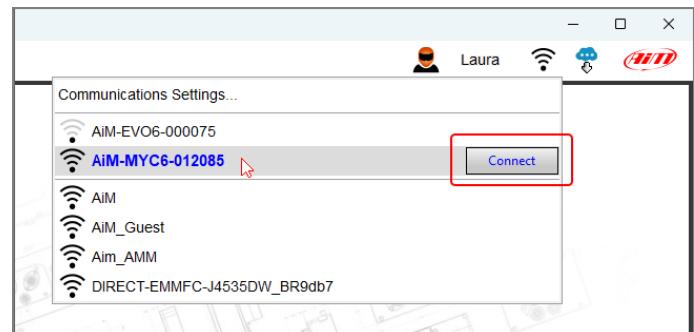
- PC connection
- Firmware update
- Track lists management
- Custom settings and logo management
- Live Measures visualization and calibration
- Data download
- Odometers enabling/disabling and reset

2 – PC Connection via Wi-Fi

MyChron6 connection to the PC is made using the Wi-Fi or the USB cable included in the kit.

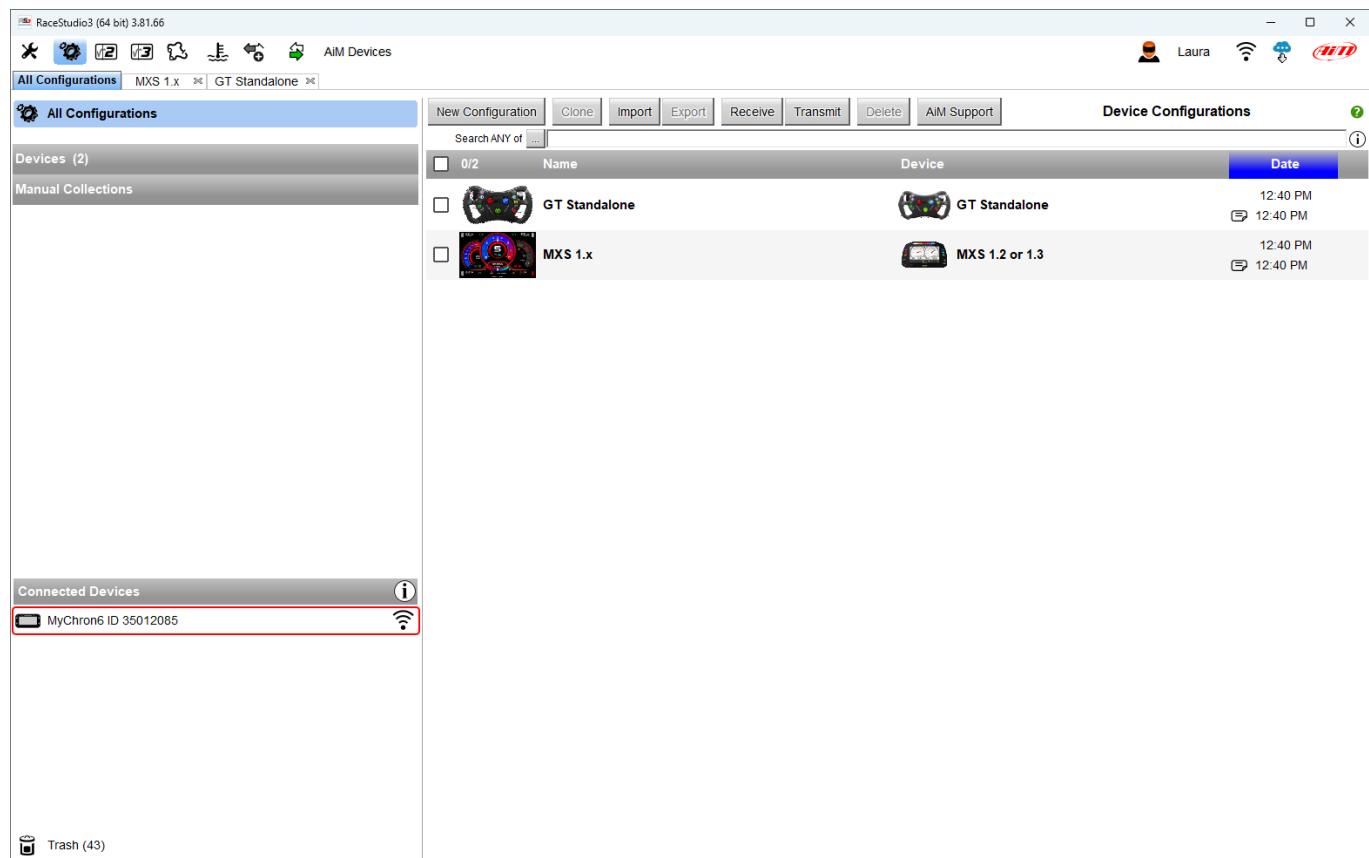
Wi-Fi connection can be performed in two ways:

- directly from the PC (image below on the left):
 - click “Network and sharing center”
 - select your MyChron6 (by its serial number)
 - click “Connect”
- via Race Studio 3 software (image below on the right)
 - click the Wi-Fi icon
 - select your MyChron6 (by its serial number)
 - click “Connect”





Once MyChron6 connected to the PC the software shows it bottom left of the software main page: select your MyChron6.





2.1 – Wi-Fi and Properties

“WiFi and properties” layer allows to set Wi-Fi parameters and to customize the device.

To set Wi-Fi (1):

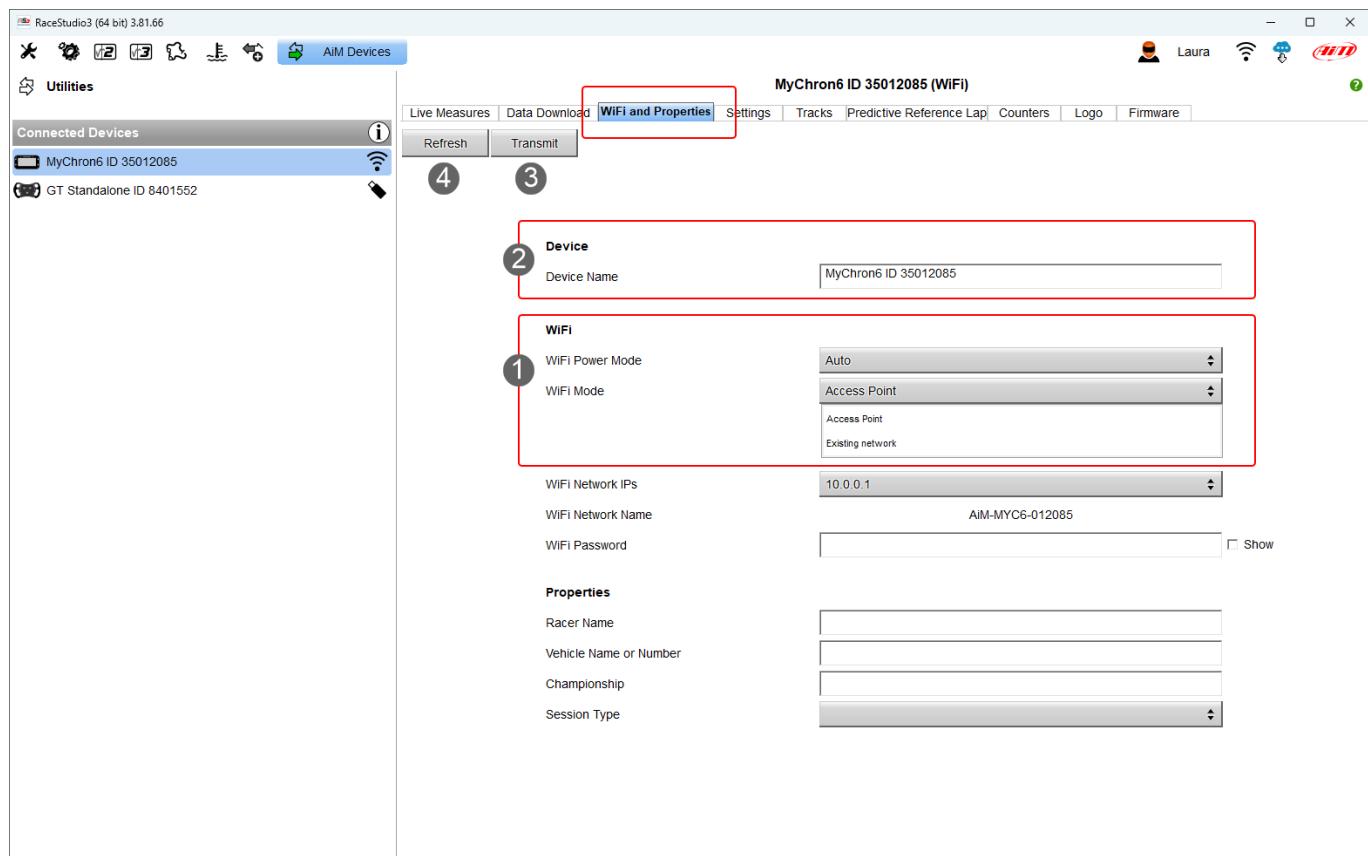
- select “WiFi Power Mode”: “Auto” as shown below; this way Wi-Fi will automatically switch-off when GPS speed exceeds 10 km/h.
- select WiFi mode “Access Point” if you have to connect one device to one PC or “Existing Network” if you need to connect more devices and/or more PC’s.

To customize the device (2) you can:

- rename your MyChron6 in ‘Device Name’
- add driver’s name, vehicle name or number, series and session type (Venue type).

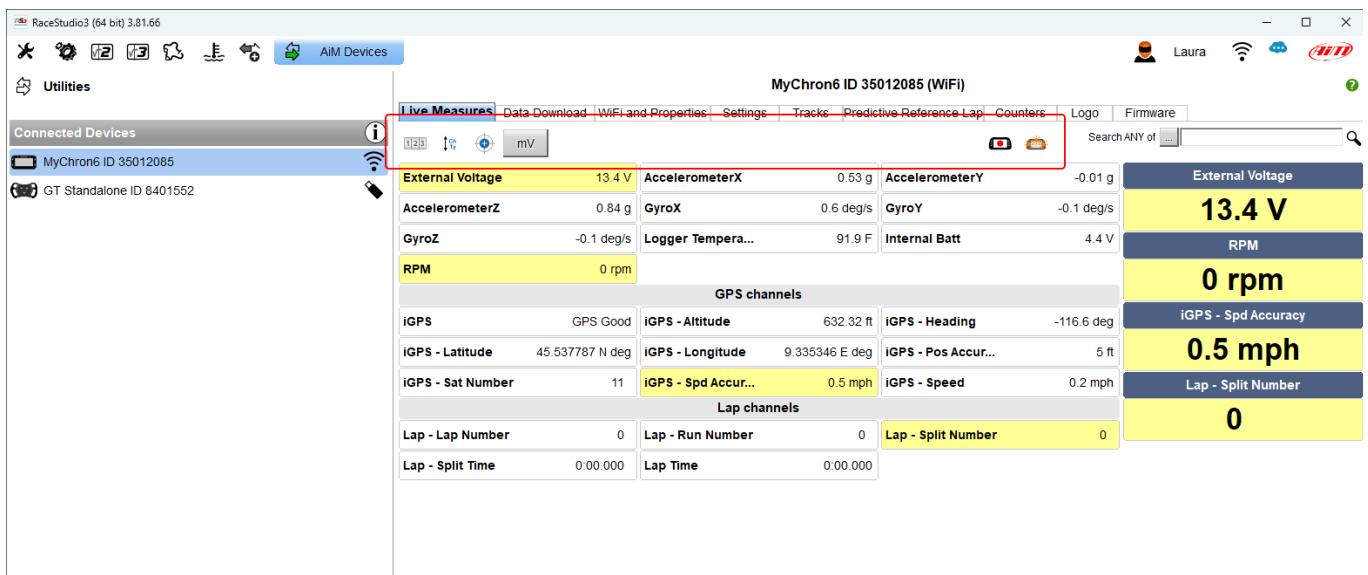
Send the configuration to MyChron6 clicking “Transmit” (3) button top left of the tab.

To clear all fields, click “Refresh” (4) top left of the tab.



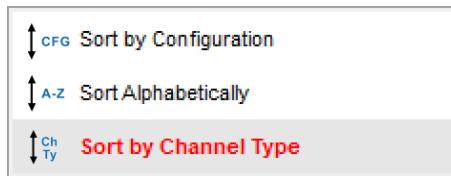
3 – Live Measures

In “Live Measures” layer the main channels values are shown in live stream.



Using the buttons top of the tab you can:

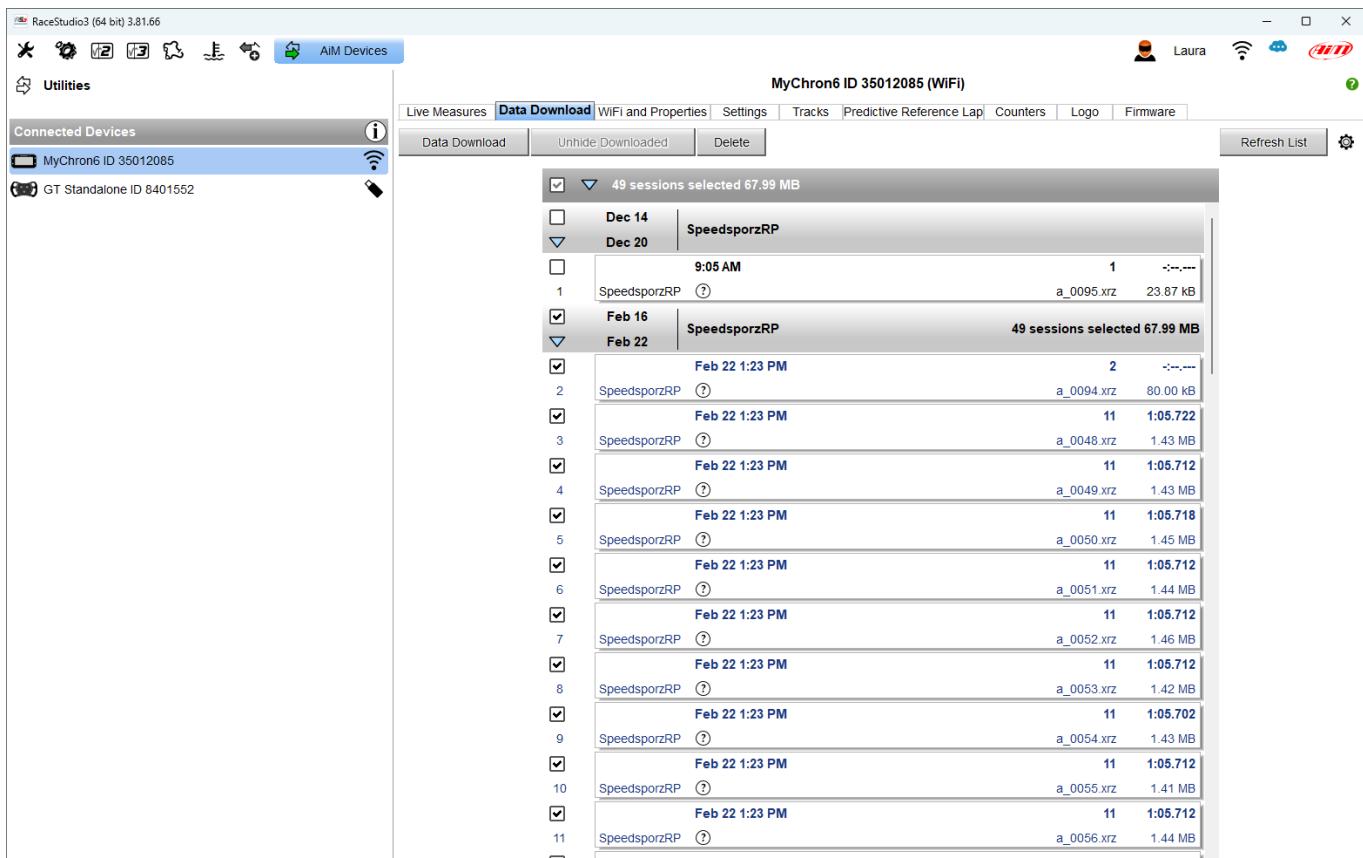
- start/stop live measures using this button so to see live stream for all the available channels
- sort channels by configuration (by firmware), alphabetically or by channels type using the buttons shown below.



- calibrate/auto-calibrate the sensors that need it using this button
- show the millivolt value for the channels that allow it (pressing “mV” button)
- make MyChron6 start/stop recording using this button
- pressing “Blink” button shift lights blink in different colours, confirming MyChron6 – PC connection; this is useful if many devices are available for the connection.



4 – Data download



Entering “Download” tab all recorded data are shown grouped by weeks and days. To download:

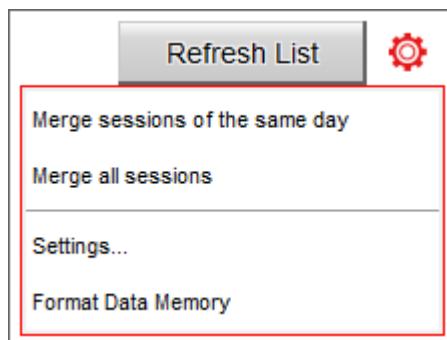
- select the files to download
- click “Data Download” button
- if MyChron6 is recording use “Refresh List” button to ensure that last recorded data are downloaded too.

By default downloaded files are hidden. To show them, press “Unhide Downloaded”: the files will be labelled as “Already Downloaded”.

To delete a file, select it and press “Delete”.



The settings icon next to “Refresh List” button prompts this menu:



Options are for:

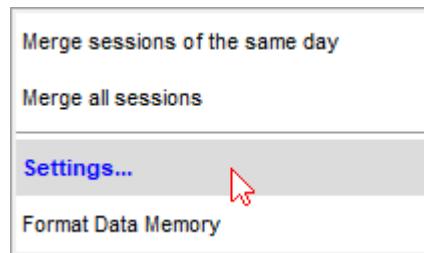
- “Merge Sessions of the same day”: creates a file for each session with the same date
- “Merge all Sessions”: creates a file that comprehends all downloaded sessions
- “Do not merge sessions”: creates a single file for each session (option in use in the menu shown above)
- “Settings” allows to decide how to save data, which information to download
- “Format Data Memory” clear MyChron6 memory.

Please note: menu options **do not** include the one in use.



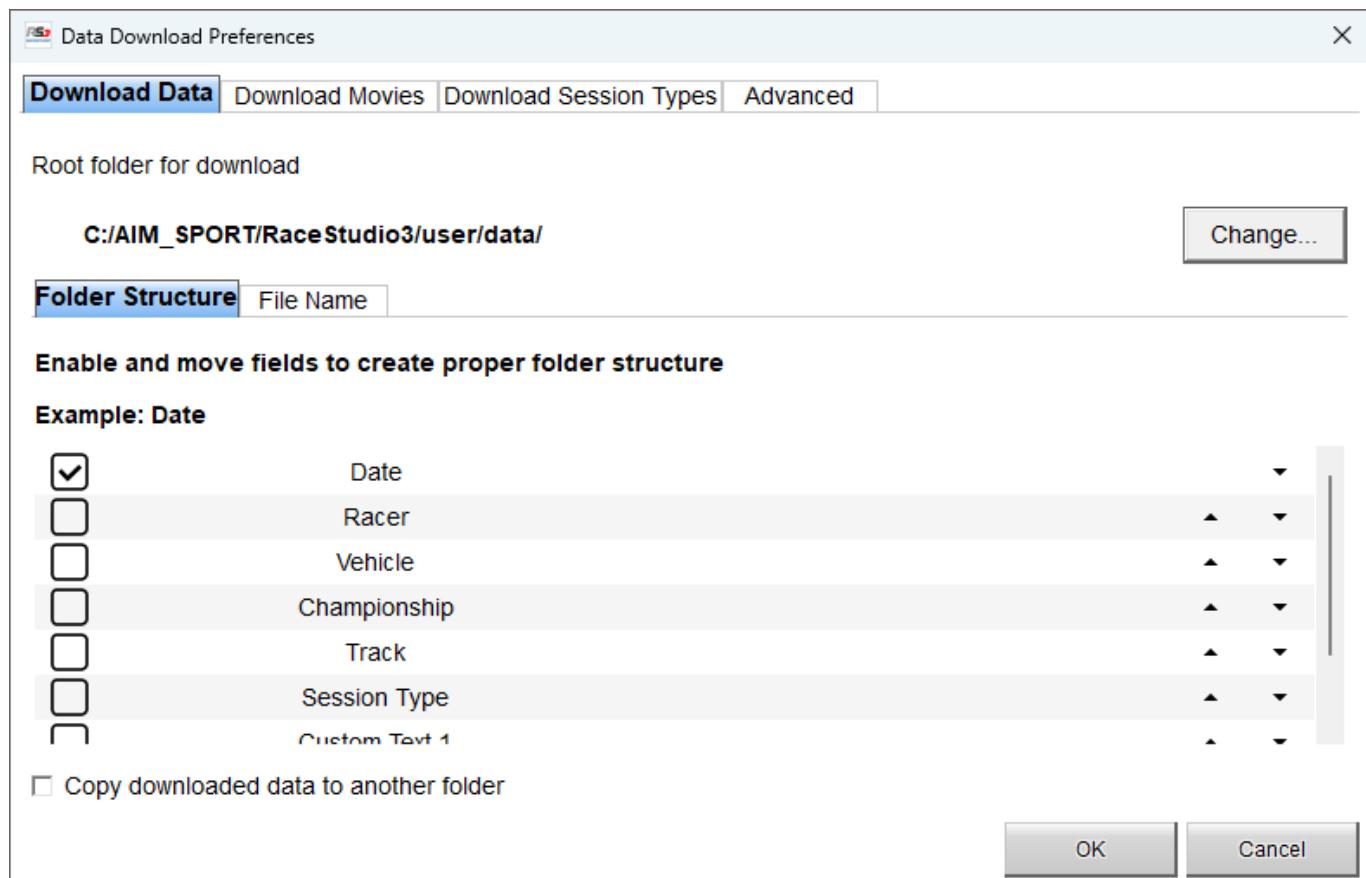
4.1 – Data Download settings

Selecting settings option in the menu shown below it is possible to decide downloaded data setting preferences.



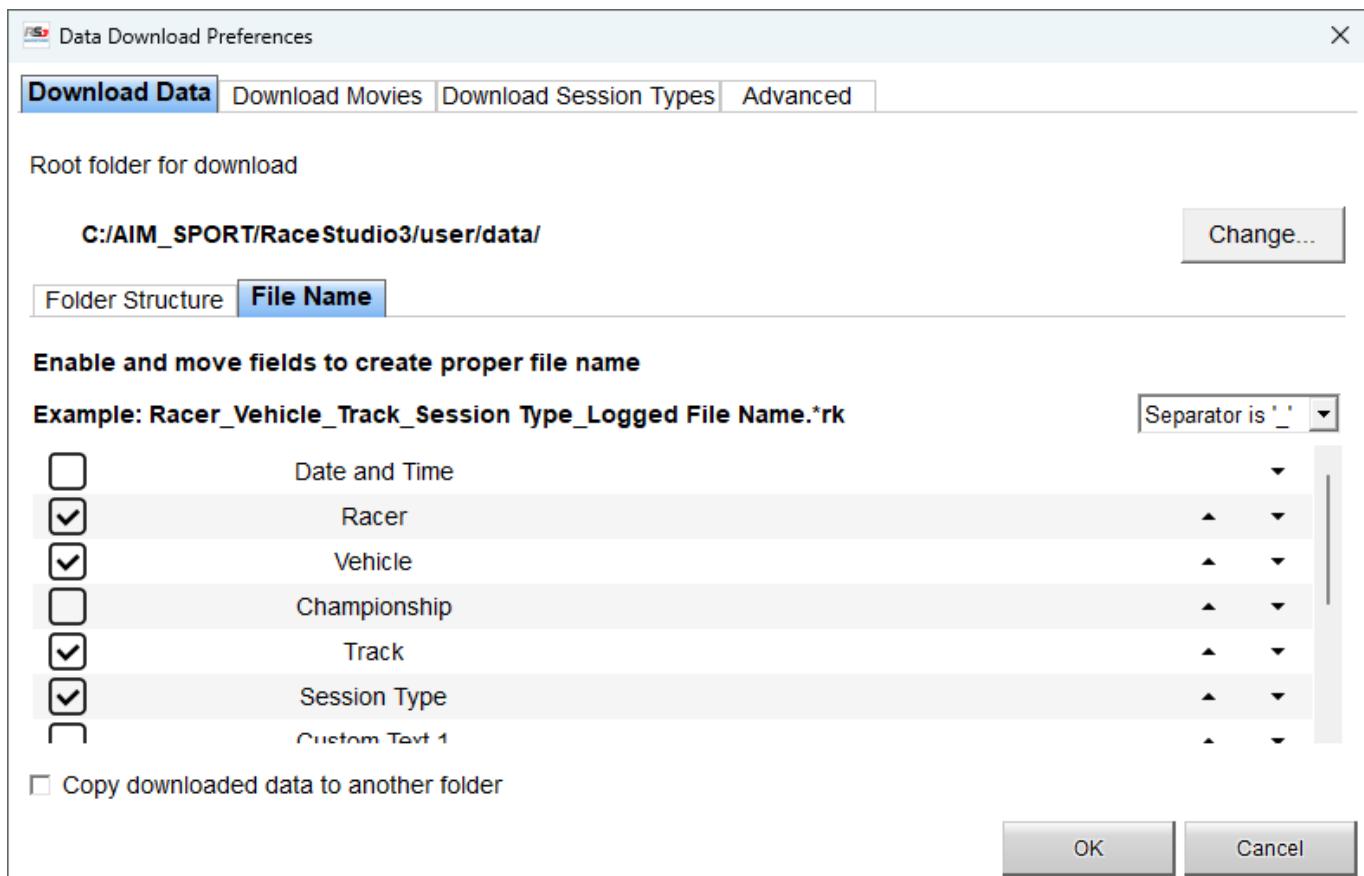
This panel is prompted. Here you can:

- decide how to organize the folder used for download
- change download destination folder using “Change” button right of “Folder structure” tab.





Selecting "File Name" tab you can decide which information insert in the downloaded file name.

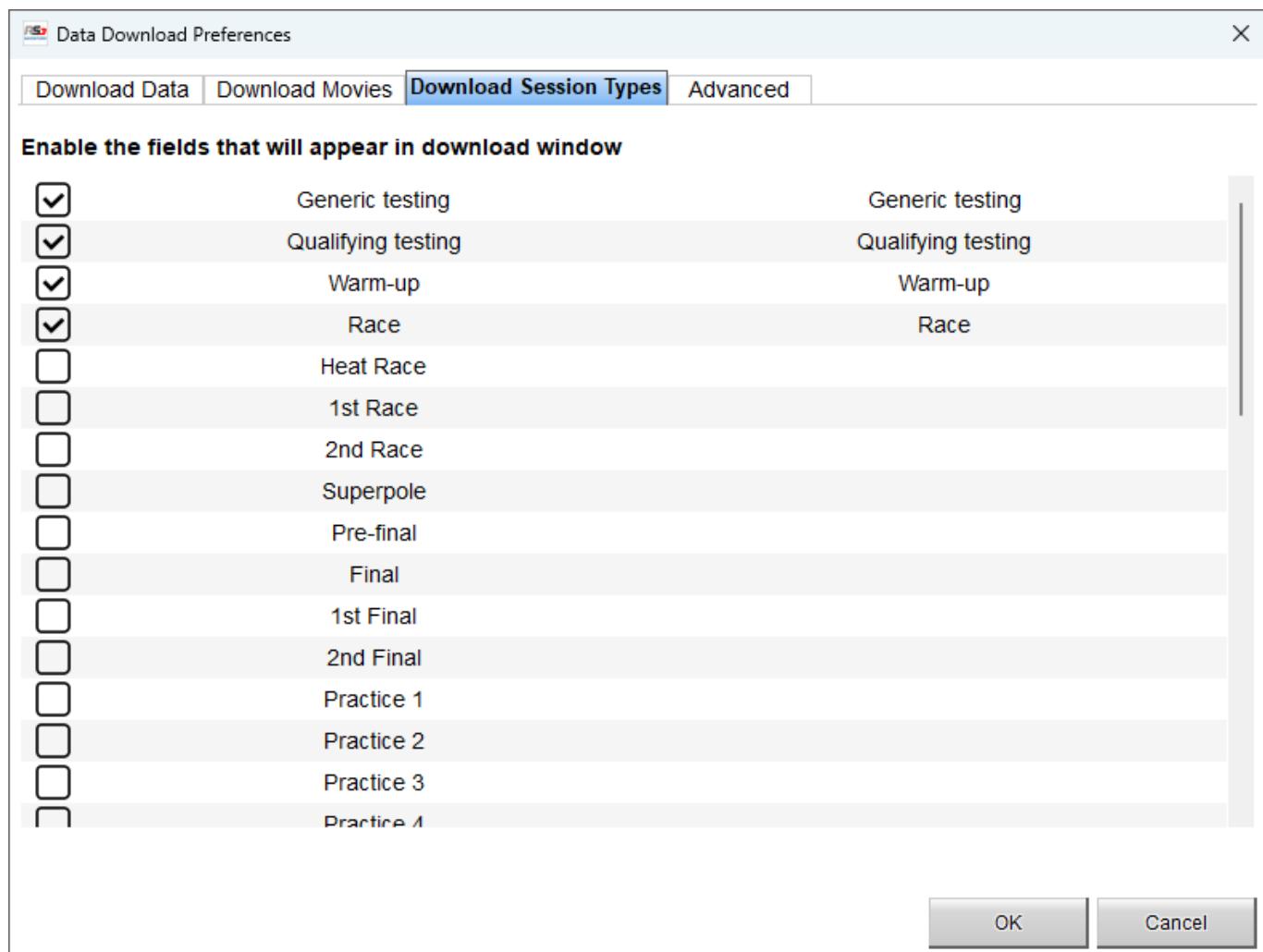




"Download Movies" tab allows to decide whether use the same settings of Downloaded Data for downloaded movies or not.

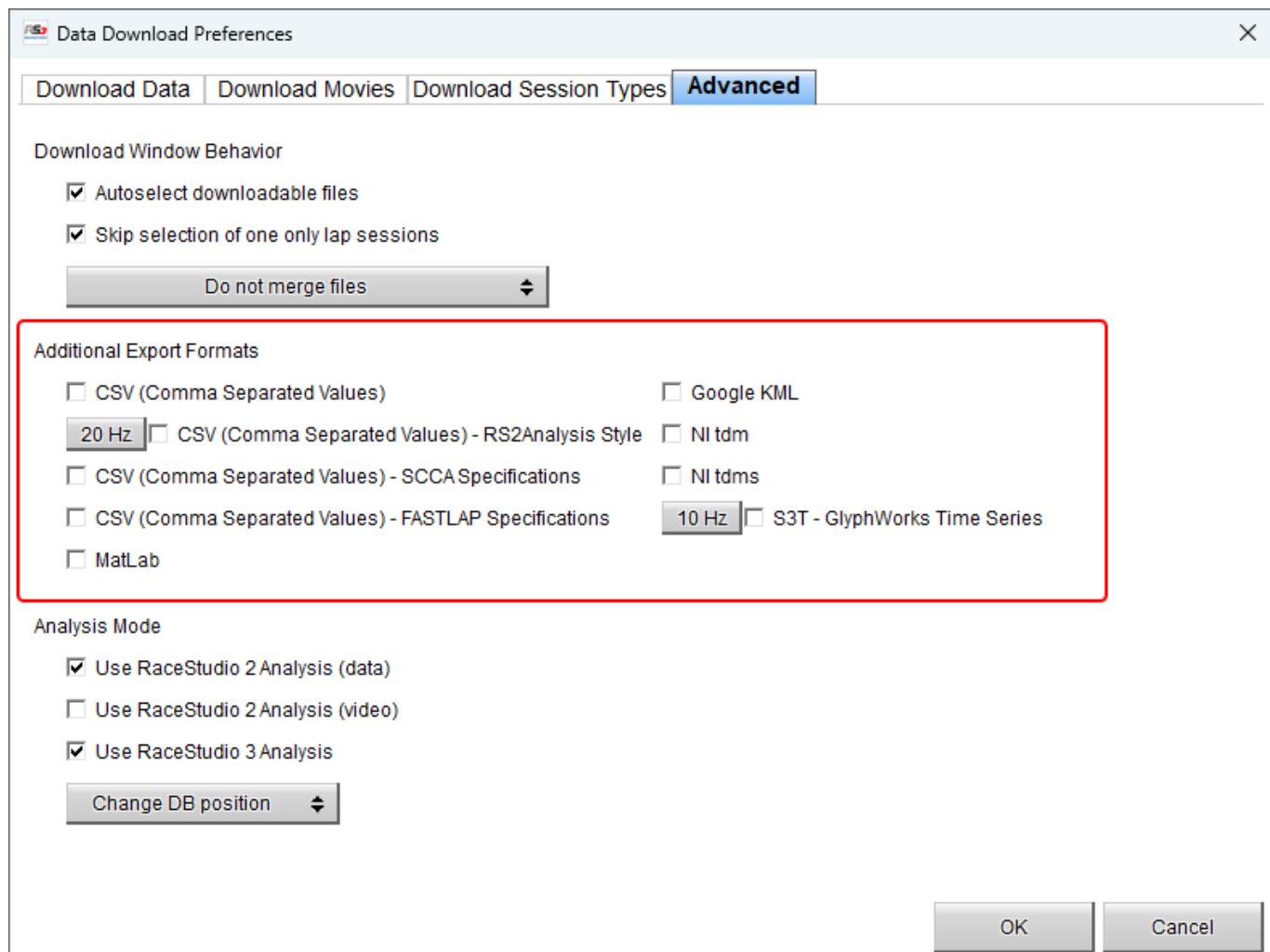


"Download Session Types" Tab allows to decide which field to show in download window.





"Advanced" tab allows to fix some advanced settings. The most important is the possibility of exporting downloaded files in non AiM format as highlighted in the image below.

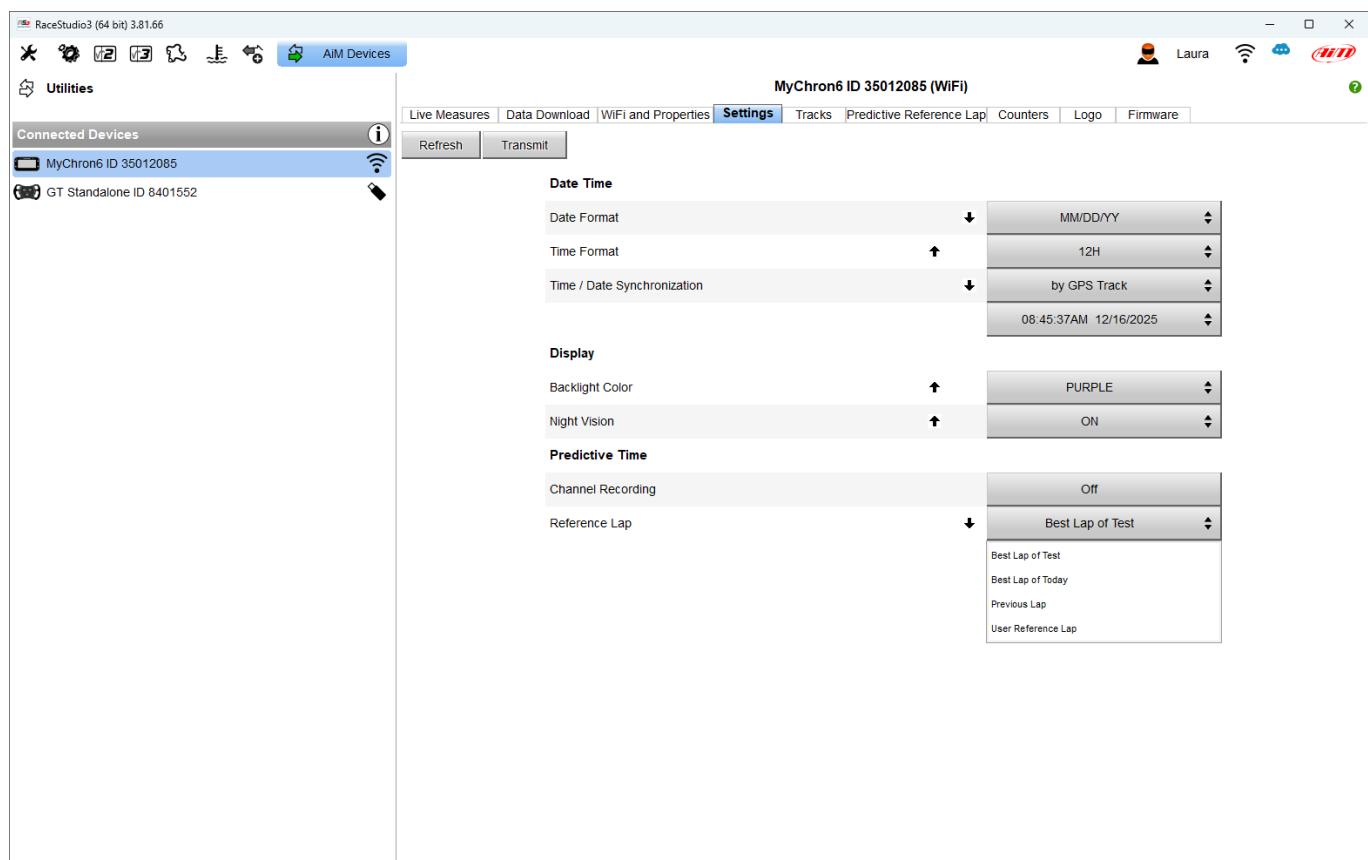


5 – Settings

In "Settings" layer you can:

- set system date and time format
- synchronize time and date: by GPS track, manual (by menu display) or through the PC
- choose backlight display colour
- enable/disable display night vision
- enable/disable predictive time channel recording
- select which lap use as reference one (please refer to the proper paragraph to know how to select the lap)

To transmit these settings to MyChron6, press "Transmit" button top left of the tab.

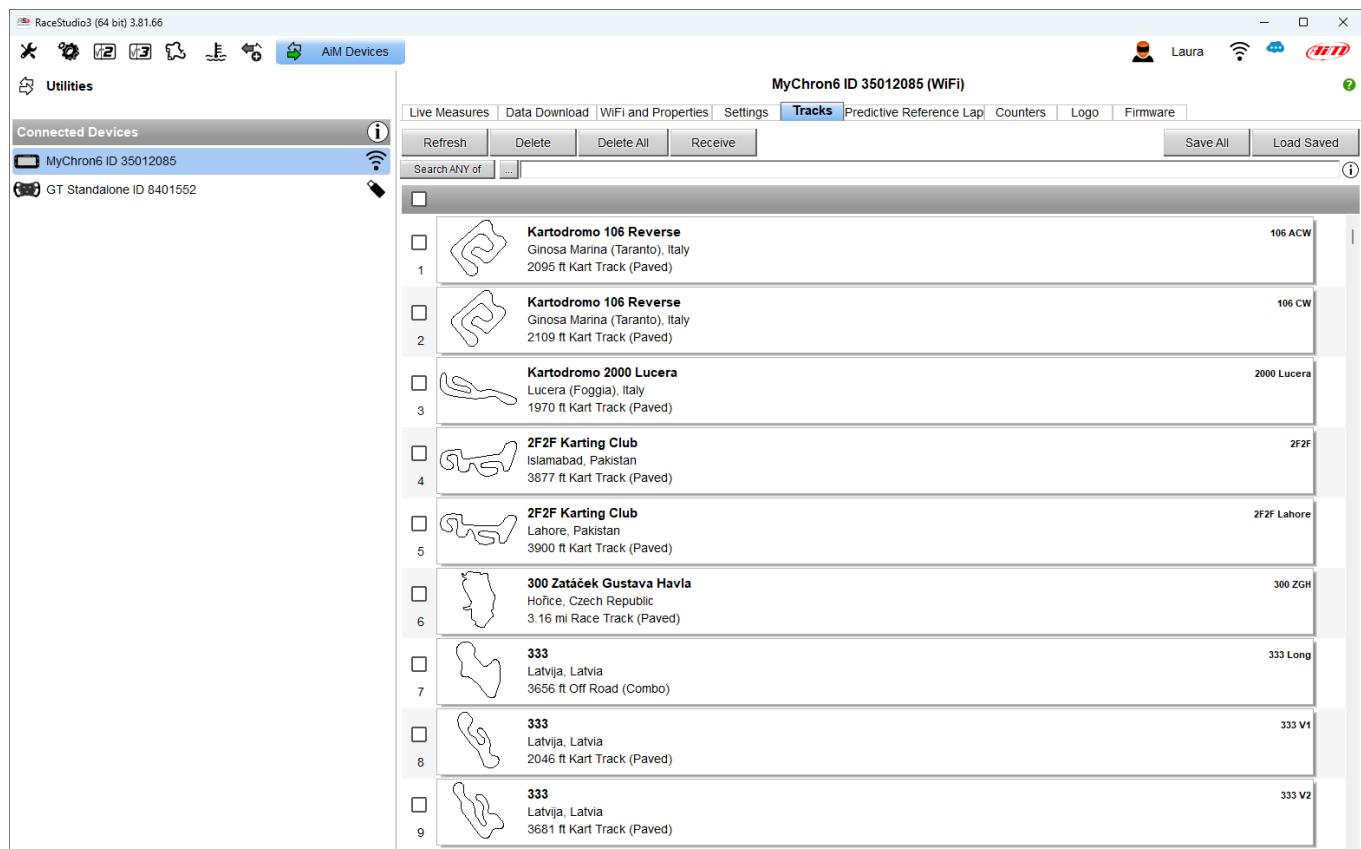


6 – Tracks

Selecting “Tracks”, the software enters the related layer. Here it is possible to check the tracks stored in MyChron6 and, through the buttons:

- Delete some of them (“Delete”)
- Delete all tracks (“Delete All”)
- Update the list if some tracks have been added (“Refresh”)
- Group tracks in a single file (“Save all”)
- Recall all tracks included in a single file (“Load Saved”)

For more info about track management check “Track Manager” user Guide you find in firmware / APP / Software documentation section of www.aim-sportline.com.





7 – Predictive Reference Lap

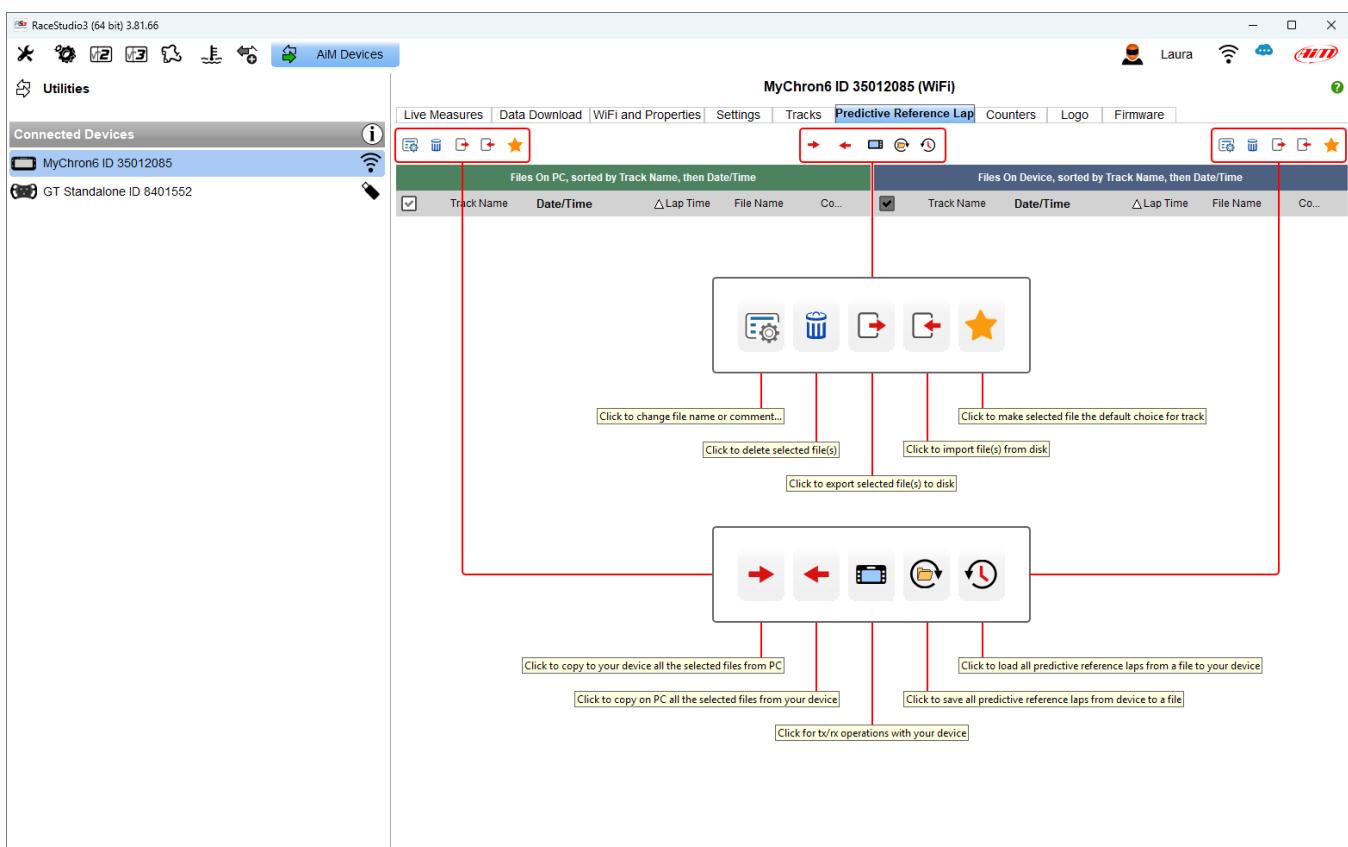
MyChron6 can compute and show the predictive lap time using a reference lap stored in its memory or an user-generated reference lap. This view features three useful keyboard:

- **top left** and **top right** of the view are the keyboards to manage the file properties
- **central** is the keyboard to move the reference file(s) from/to PC/device

The view features two columns too:

- on the left the reference lap(s) file(s) stored in your PC
- on the right the reference lap(s) file(s) stored on MyChron6

At the very first time both columns of the view are empty except if a firmware generated file has been stored in the system. The firmware automatically generates reference files like the best of the test or the best lap of today as well as previous lap and they can be uploaded to the software using the keyboard.





8 – Counters

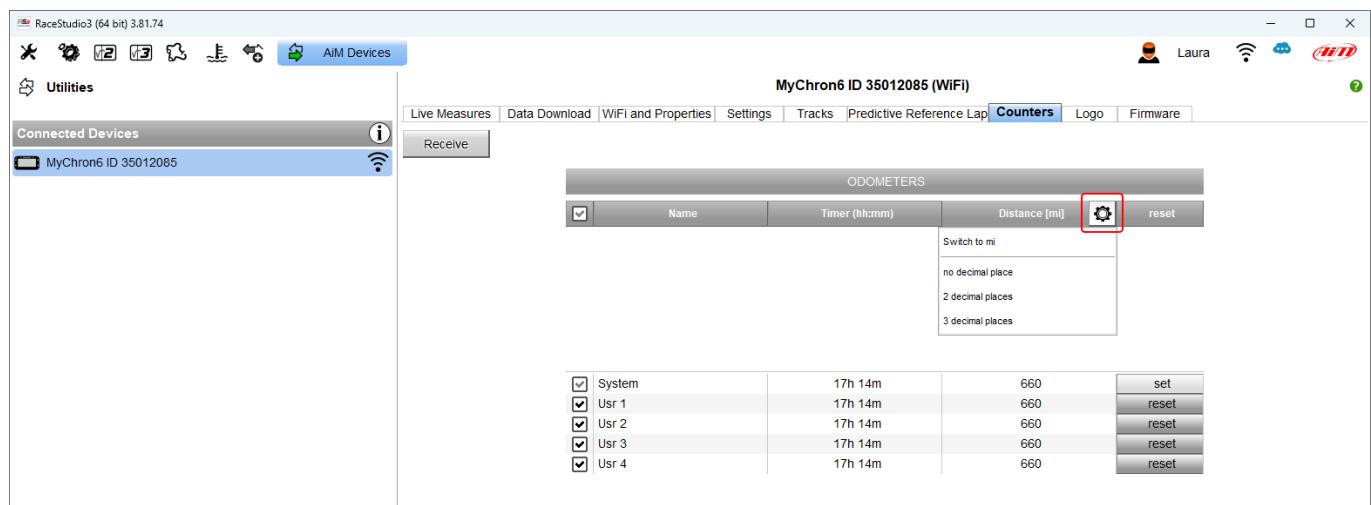
Entering in “Counters” tab you can manage MyChron6 odometers.

The panel automatically shows:

- System odometer: not resettable nor customizable
- User counters: customizable label and resettable time and distance counters

Using the setting icon highlighted in red below it is possible to change the measure unit as well as to set the number of decimal places of the travelled distance.

To reset the four user odometers, press “reset” on each odometer.





9 – Logo management

Selecting “Logo” layer it is possible to load a logo on MyChron6 display: it will be shown at switch-on. AIM recommends to use the latest versions of Windows™ whose graphic libraries are updated.

To load an image:

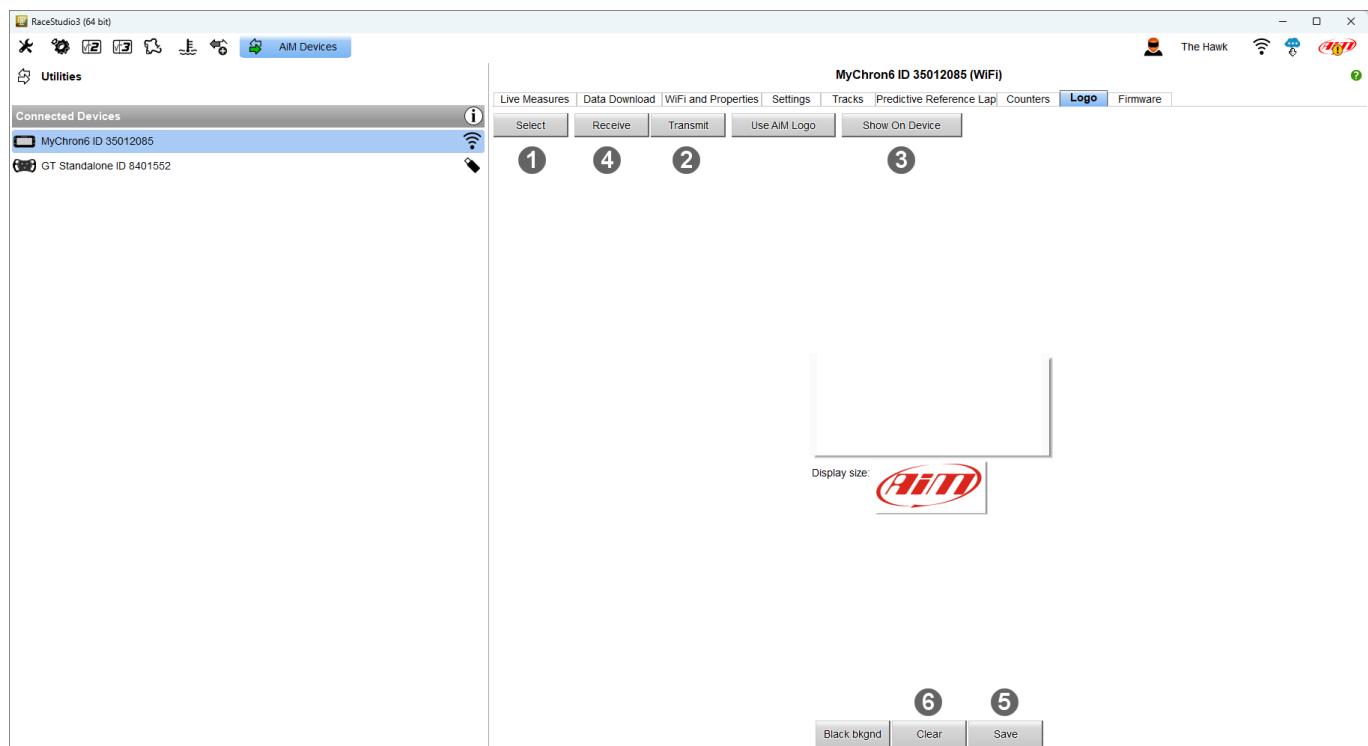
- Click “Select” (1) and browse your PC.
- Send it to MyChron6 clicking “Transmit” (2)
- Check it out on your MyChron6 display clicking “Show on device” (3)

To transfer an image from a MyChron6 to another:

- Connect MyChron6 to your PC and click “Receive” (4)
- Click “Save” (5)
- Connect the device you want to transmit the image to
- Look for the desired image clicking “Select” (1) and transfer it clicking “Transmit” (2).

To cancel an image from the display, select “Clear” (6).

Use “Black bkgnd” to change the image background. “Threshold” tunes images black and white intensity; images are in fact automatically converted in black/white.



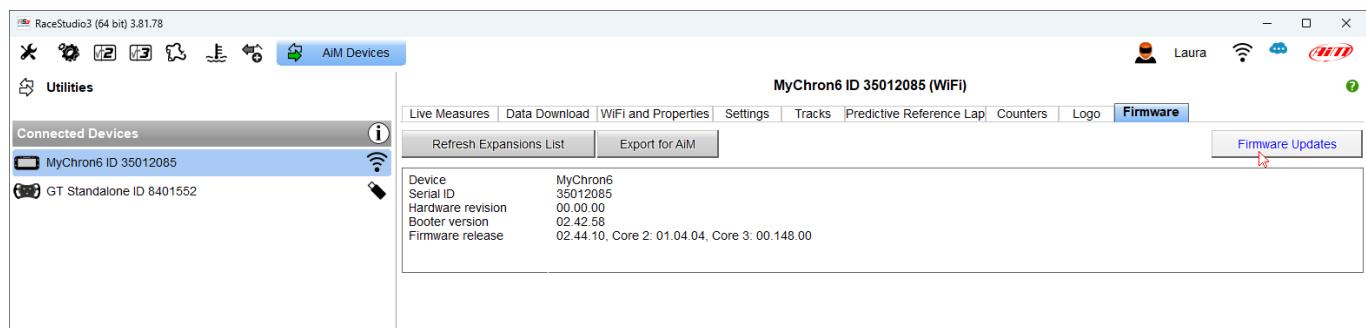


10 – Firmware

Looking to the “Web Updates” icon top right of the software page, if the cloud is shown this way , firmware or software updates are available. To check whether MyChron6 is affected by this update click “Firmware Update” button top right of “Firmware” tab.

In “Firmware” tab it is possible to:

- see AiM network in the central box
- refresh the expansions list pressing the proper button
- export check up files requested by AiM support members
- enter “Firmware Updates” page” pressing the proper button right of the tab





Once entered "Firmware Update" page with MyChron6 switched on and connected:

- select the firmware to update (1)
- press "Download Updates" button
- press "Update Device"
- in a few moment MyChron6 reboots and the firmware is updated.

