



TCR Sim Racing

TCR Drivers' Manual

This manual is a step by step guide to prepare all drivers for the TCR SIM RACING competition.
The manual explains the equipment and software required and the steps you need to follow to enter the races.

SUMMARY

- 1. TCR Real Drivers' Forum**
- 2. Hardware and Software Requirements**
 - A. Installing TCR MODs in Assetto Corsa
 - B. Requirements for entering into Official Events
- 3. Training and Official Events**
- 4. Requirements for Drivers**



TCR Real Drivers' Forum

A Forum is available for any details you need additionally to this Manual, to properly install all you need to take part in the competition

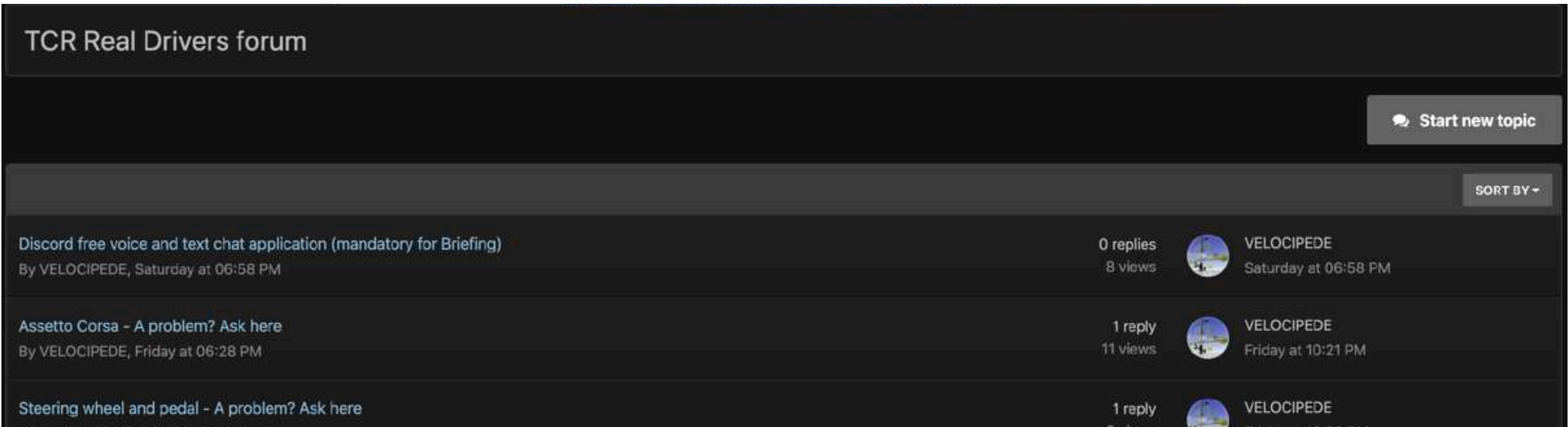
The Forum may help you to solve any problems and questions you may have during the installation of the different programs and the participation in the Series.

[TCR Real Drivers' Forum link](#)

Forum Password: real-tcr

➔ To participate in the Forum you need to [register using this link](#)

Once registered you will be able to write a new message (Topic) or reply to an existing message (Post)





Hardware and Software Requirements

Summary of the Requirements for TCR MODs in Assetto Corsa and to allow your off-line training and the Official Events online

**Installing
TCR MODs in
Assetto Corsa**
Offline training

- A. PC equipment and Internet connection
- B. Gaming peripherals
- C. Gaming Software: ASSETTO CORSA
- D. TCR MODs (Cars & Circuit)
- E. Telemetry/Transponder system: PTRACKER
- F. Car Setup

These are the minimum requirements for you to have **TCR cars and circuits in Assetto Corsa** and be able to **train Offline**

**Requirements for
entering into
Official Events**
*Online training &
competitions*

- A. Voice App: DISCORD
- B. How to find a server
- C. Connect your Webcam
- D. Radar App: HELICORSA (recommended)

These are the minimum requirements and recommendations for you to **connect to the servers for Official Events** (including Testing and Races)

Installing TCR MODs in Assetto Corsa

Offline training

A. PC and Internet connection



PC: Currently the TCR SimRacing Series is only available for PC. To participate in the Series a personal computer (PC) is needed. The PC System Requirements for using Assetto Corsa and take part on the events are the following:

	MINIMUM	RECOMMENDED
Operating System	Windows 7 Sp1 - 8 - 8.1 - 10	Windows 7 Sp1 - 8 - 8.1 - 10
Processor	AMD Athlon X2 2.8 GHZ or Intel Core 2 Duo 2.4 GHZ	AMD Six-Core CPU or Intel Quad-Core CPU
Memory	2 GB of RAM	6 GB of RAM
Graphics	DirectX 10.1 (e.g. AMD Radeon HD 6450 or Nvidia GeForce GT 460)	DirectX 11 (e.g. AMD Radeon 290x or Nvidia GeForce GTX 970)
DirectX	Version 11	Version 11
Network	Broadband Internet connection	Broadband Internet connection
Hard Drive	15 GB of available space	30 GB of available space
Sound Card	Integrated	Integrated

[Forum link for PC and internet connection](#)

A. PC and Internet connection

Internet Connection : A good and stable internet connection is necessary. The latency PING with the server must never exceed 150ms, otherwise the driver will be expelled from the server.

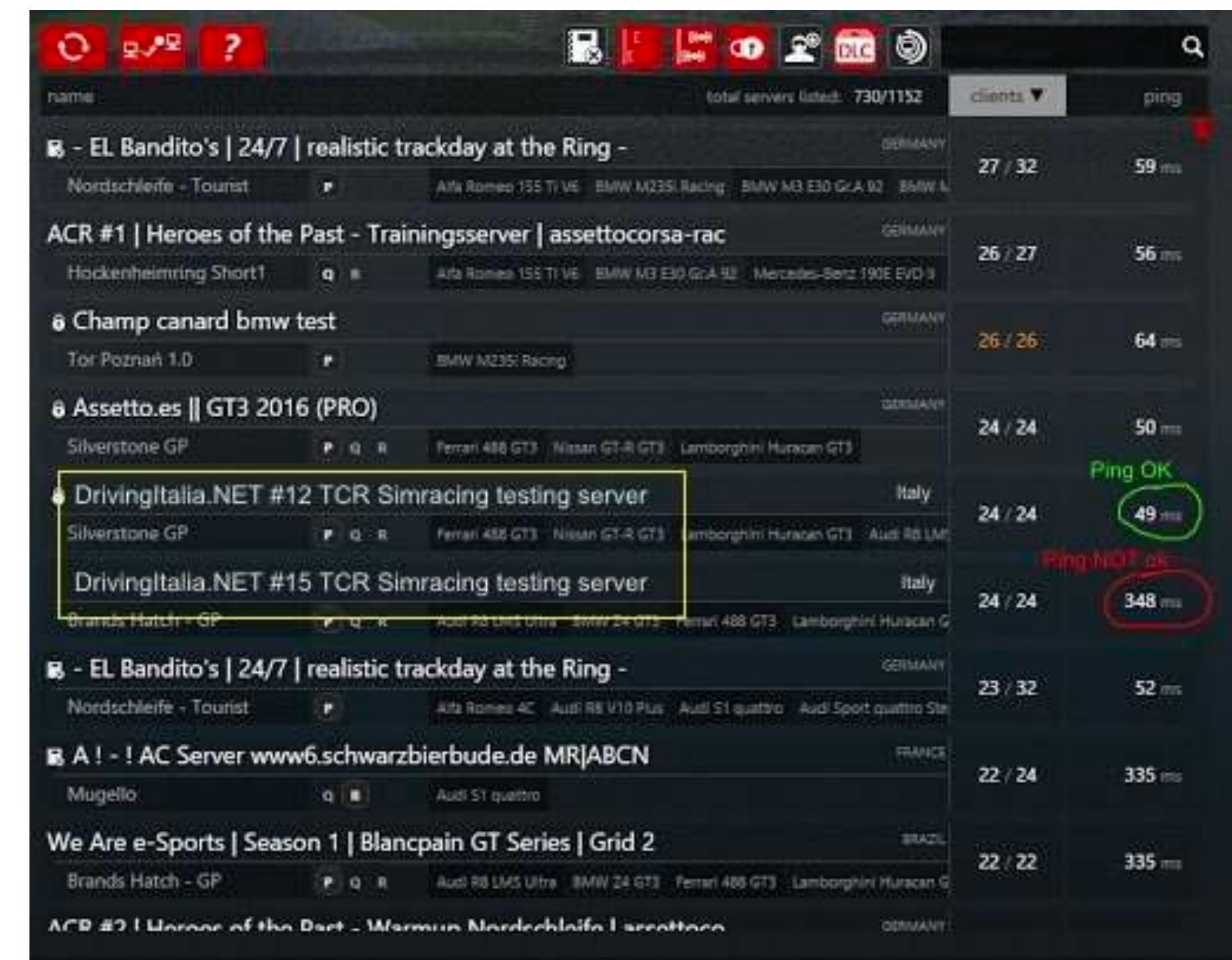
It is possible to test your internet connection directly on this link <https://www.speedtest.net/>

It is recommended to test the connection before each race.

It is also possible to test your latency ping directly in the multiplayer menu of the game

Tips to improve your PING performance:

- Check your start up programs. If the device has too many programs running at start-up, it can negatively impact your ping speed.
- Ensure the device is close to the router, or connect your computer directly to the router via the Ethernet cable.
- Close any unnecessary background programs and webpages.
- Reduce the number of devices using the internet connection (Smart TV, Tablets, Mobile phones, etc.).
- Reboot the router and modem



[Forum link for PC and internet connection](#)

B. Gaming Peripherals

The use of a steering wheel and pedals is highly recommended.
The market offers several kind of steering wheels (pedals are often included) with different costs depending on the quality of the product. Economic versions are sold at around 100€.
we recommend at least a medium-quality product that includes the following technical features:

MINIMUM	
Steering wheel diameter	From 27 to 32 cm for a racing use
Steering angle	A good product has at least 900°
Pedals	2 pedals is the better choice for a racing use; 3 pedals is for a generic use
Force Feedback	must be included. It helps on curbs, oversteering, understeering and car feeling
Gear	gear shift is often included; a steering wheel with paddle shift is suggested

Some products are also available on Amazon if a fast shipping is needed.

Direct link to the forum [click here](#)

C. Gaming Software: ASSETTO CORSA

To participate in the TCR Sim Racing an original licensed copy of ASSETTO CORSA simulator installed on the PC is requested ([Assetto Corsa official web site](#)). Follow the next steps for the correct installation of ASSETTO CORSA:

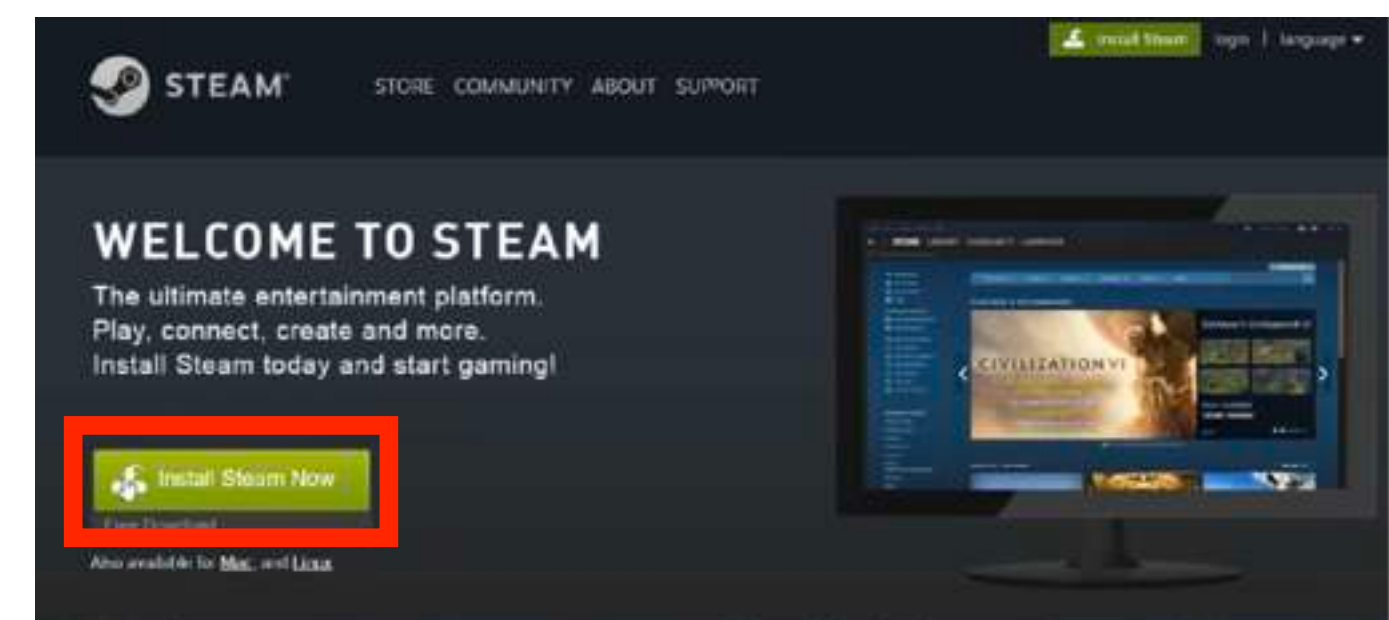
A. Download, Install and Register an account on STEAM

B. Download and Install ASSETTO CORSA

A. Download, Install and Register an account on STEAM

1. Visit <https://store.steampowered.com/about>
2. Click the 'Install Steam Now' button and allow the Steam installer to download.
3. Once downloaded, click 'run/open' and follow the instructions to install the Steam client onto your computer.
4. When the Steam client starts, you will be prompted to log in or create a Steam account.
5. If you already have an account just log in. If you don't have a Steam account follow the instructions you will find in the Steam app.

➔ Step-by-step [video on How to Download and Install Steam](#)



C. Gaming Software: Assetto Corsa

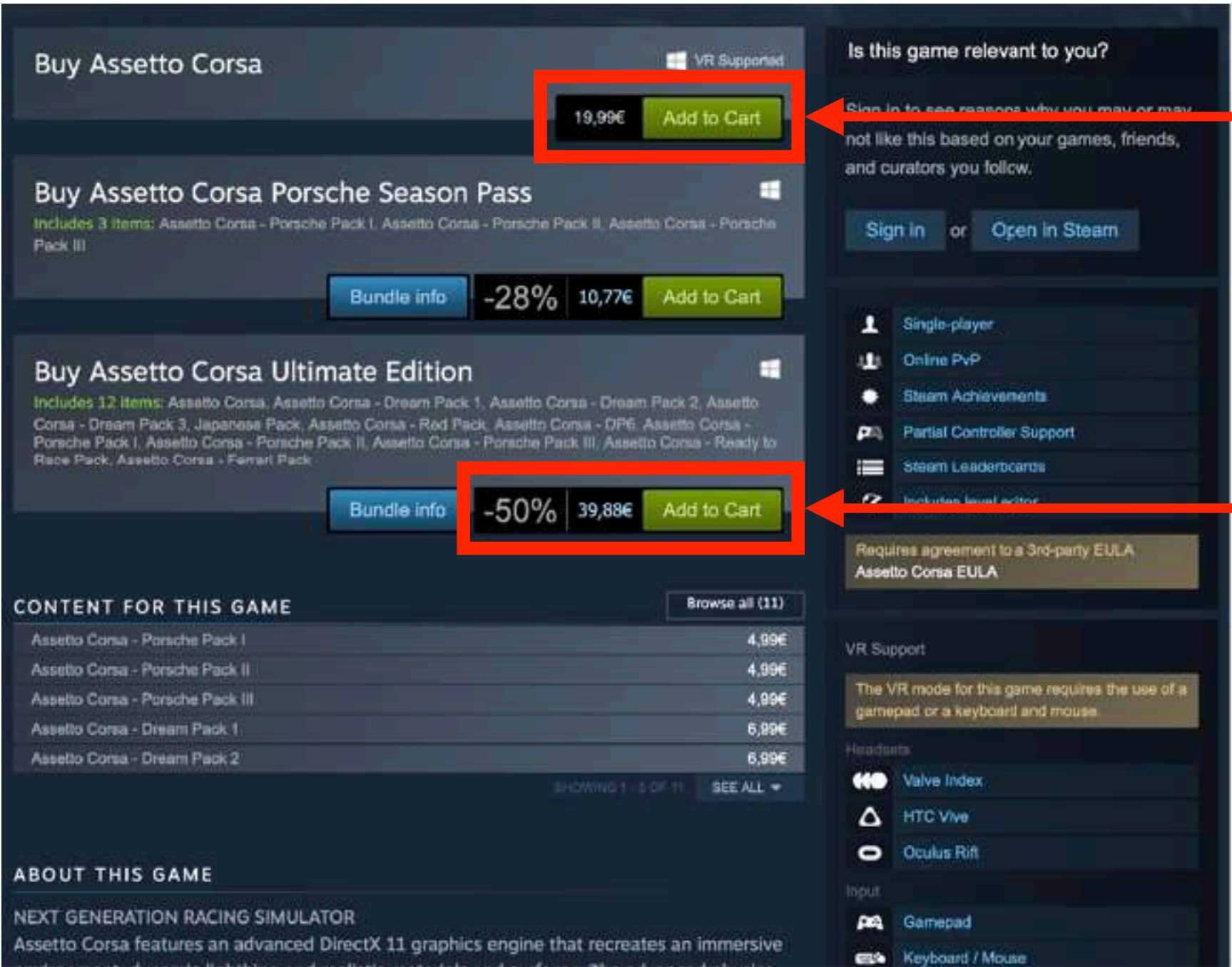
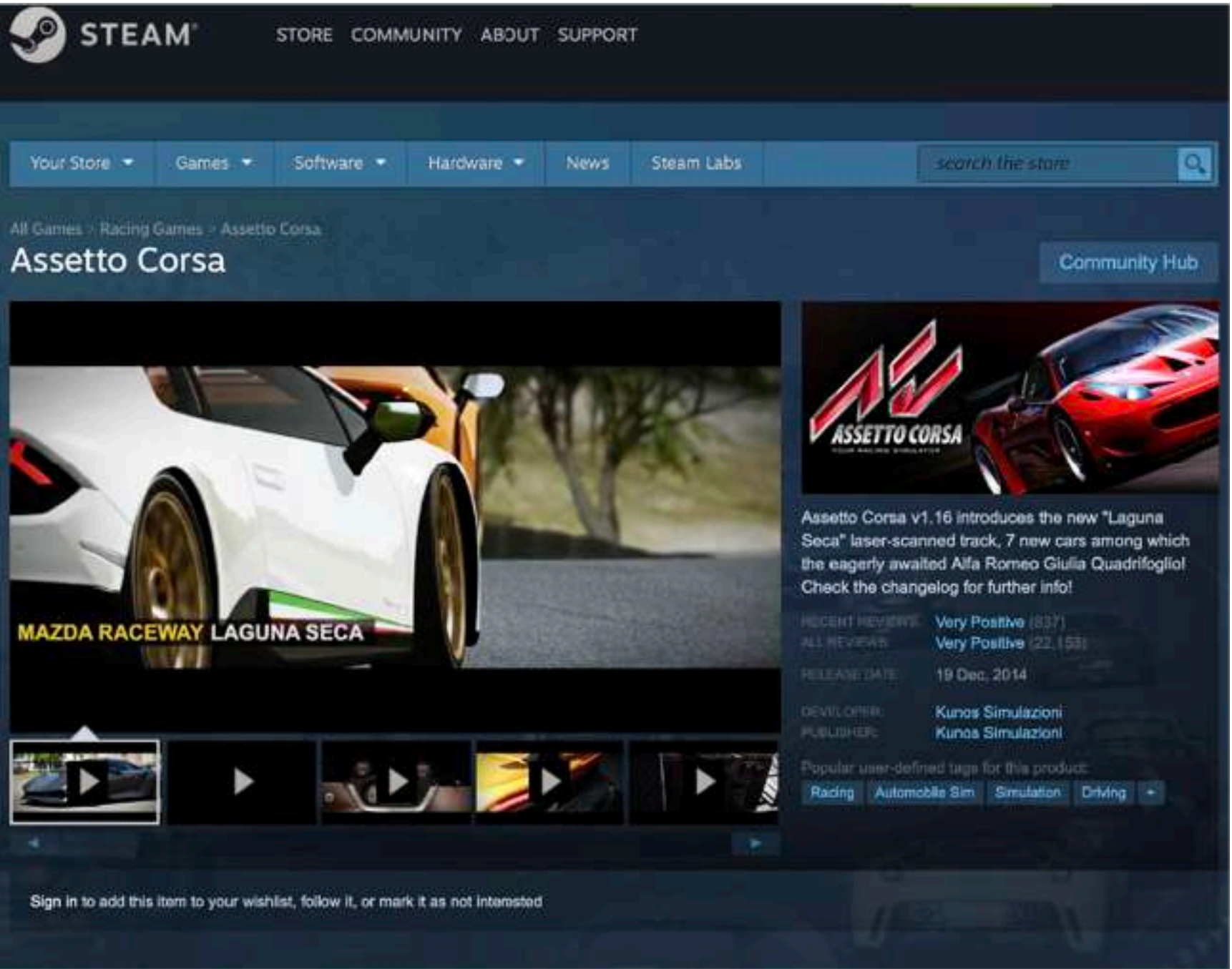
B. Download and Install ASSETTO CORSA

You can buy, download and install Assetto Corsa directly into your PC from the [Assetto Corsa Steam page](#)

You can also find it in your Steam app going to STORE and writing Assetto Corsa in the finder on the top right.

The Standard version (19,99€) of the game is necessary to participate in the series.

However, the “Ultimate Edition” (39,88€) is suggested because it includes content that may be useful for some of the competitions. Some circuits will only be available with the Ultimate Edition or buying a specific package of that circuit.



Necessary version to participate in the championship

Suggested version

C. Gaming Software: Assetto Corsa

Buy your preferred version of Assetto Corsa, download it, click on the downloaded file and follow the automatic procedure to install the software on your PC.

Now the software is ready.

Remember to use your NAME and LAST NAME on Assetto Corsa
(Please do not use nicknames)

Check the following videos to set your favourite driving preferences, check and adjust your peripherals and establish your graphic settings on Assetto Corsa:

- ➔ [Assetto Corsa - SETUP GUIDE - FFB Wheel Settings](#)
- ➔ [Force Feedback, Graphics and VR Settings for Assetto Corsa](#)

[Forum link to Download and Install Assetto Corsa](#)



C. Gaming Software: Assetto Corsa

Steam ID

The Steam ID is a code created by Steam upon your registration. It will recognise each driver and allow the use of its TCR car.

How to find your Steam ID:

1. You need to open the Assetto Corsa logs folder:
Hard Disk (C:) -> Users -> Your User -> Documents -> Assetto Corsa -> logs -> log.txt
"C:\Users\your-user\Documents\Assetto Corsa\logs\log.txt"
2. Open the log.txt file
3. The "Steam Community ID" is your ID number, made by 17 numbers
(highlighted in yellow on the picture)
4. Copy and Save this number and send it to WSC through the Entry Form.

For any doubt you can watch [this video](#)



```
log - Blocco note di Windows
File Modifica Formato Visualizza ?
Hello there! This is Custom Shaders Patch speaking, 0.1.48.
Installing CrashGuard Fault Handler
Steam Name:TCRluca
Steam ID: 42597616
Steam Community ID: 76571187002873244
LOADING AC VERSION : 1.16.3 (x64)
-----PRINTING VIDEO INI-----
[ASSETTOCORSA]
HIDE_ARMS=0
HIDE_STEER=0
LOCK_STEER=0
WORLD_DETAIL=4

[CAMERA]
MODE=DEFAULT

[CUBEMAP]
FACES_PER_FRAME=2
FARPLANE=500
SIZE=256

[EFFECTS]
FXAA=0
MOTION_BLUR=10
RENDER_SMOKE_IN_MIRROR=1
SMOKE=1
```


D. TCR MODs (Cars and Circuits)

WSC will send to drivers a link to download the TCR MODs (Cars and Circuits) only after receiving the Registration form signed by each driver. The link is to install the WSC SimSynk folder into Assetto Corsa, in order to have an automatic download of the TCR MODs (and future updates).

HOW TO PROCEED:

1. **IMPORTANT:** before proceeding be sure that Assetto Corsa is not running.
2. Open the link you received from WSC and download the zipped folder.
3. Unzip the folder, copy and paste the three files you find inside into the main Assetto Corsa folder following these steps folder by folder: Open the **Hard Disk (C:) -> Program Files -> Steam -> Steamapps -> Common -> Assetto Corsa**

(C:\Program Files\steam\steamapps\common\assetto corsa)

Now the files are inside the “assetto corsa” folder

4. Click on SimsynkPro.exe file to start its automatic installation.

Select your TCR Series

Press Start

Insert the password (*given with the link*)

Now the software is downloading all contents directly into your Assetto Corsa folders

5. When the synchronisation ended you can run Assetto Corsa.
6. TCR Cars will be in the car list under the TCR logo.



NEW CONTENTS:

When WSC will release new contents (circuits, new car models, new liveries) all drivers will be informed by an Official Communication.

To download the last updates just repeat the process starting from Point 1, then jumping to point 4 to point 6.

[Forum link for TCR Cars MOD installation and doubts](#)

E. Telemetry/Transponder System: Ptracker

All drivers must install and activate the Ptracker app to participate in the competition. You need to install and enable the app before starting the game.

Ptracker will improve your online experience by giving information about lap times and tracking your car on the track.

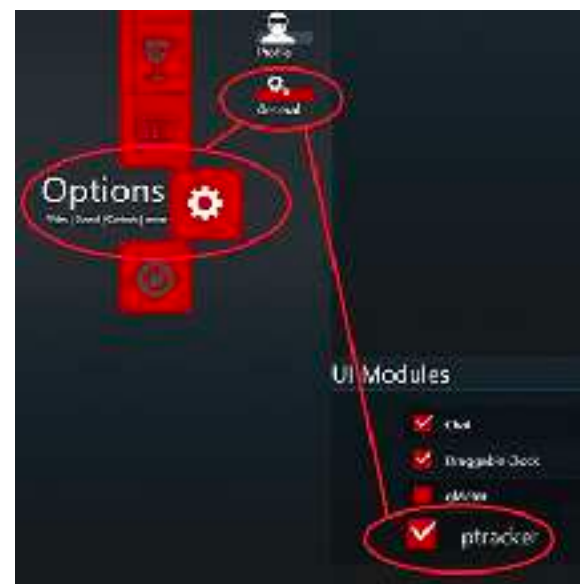
1. IMPORTANT: before proceeding be sure that Assetto Corsa is not running.
2. [Download the PTRACKER App here](#)
3. To install the App unzip the file into the Assetto Corsa main folder:
Hard Disk (C:) -> Program Files -> Steam -> Steamapps -> Common -> Assetto Corsa
(C:\Program Files\steam\steamapps\common\assetto corsa) and click on the .exe file to launch the automatic installation. You can also follow this [video to install and learn how to use in Ptracker](#) in Assetto Corsa
4. The app must be enable on Assetto Corsa: go in the launcher and under Option -> General -> UI Model
5. After enabling, launch the game. Inside the race press the "PT" icon in the game's side bar on the right.

If PTracker is correctly enabled, when you are on track, the app will appear on the monitor in this way and check that the "pin" icon is green as in the photo below.

The green pins means that the app is properly functioning and active on the server.
(if it was a different color, try to exit the game and re-enter, or reinstall the app again)

Ptracker must always be enabled when connected to the server for testing and races.

Enable the app



Press the PT icon



Check the Pin icon is green



[Forum link for PTRACKER App installation and doubts](#)

F. Car Setup

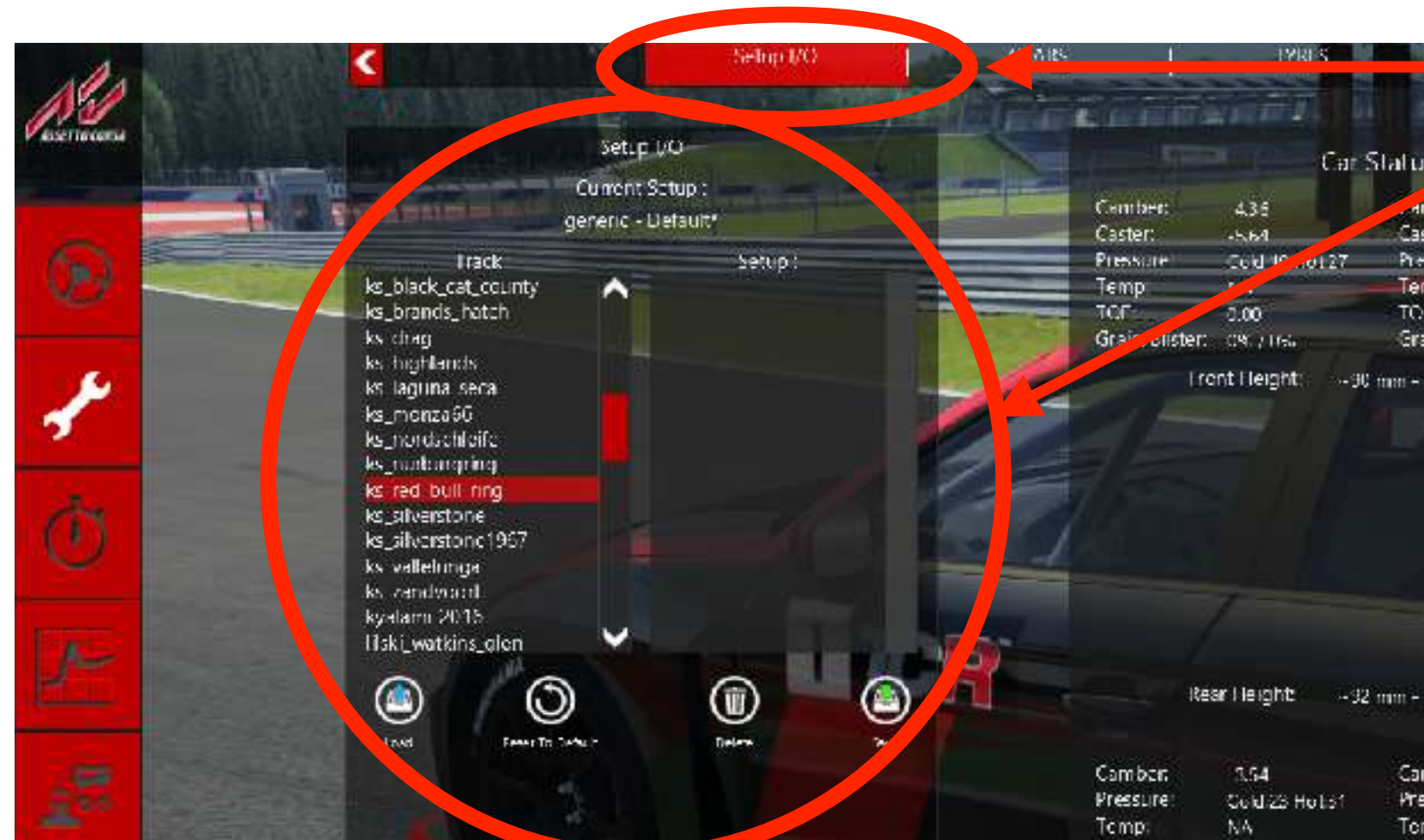
All drivers can Setup their cars. For the Official Events (Tests & Races) drivers will be able to change the following Setups:

- Tire pressure
- Front / rear brake balancing
- Brake pressure
- Differential preload

Note that during offline practices all Setup options are available. We recommend only to change the setup specified above since is the only thing drivers will be allowed to change during the Official Events. Setups for each circuit can be saved during offline practices.

How to Setup the car:

1. In the main menu, click on the 'Drive' button
2. Select 'Practice' tab > Select your car on the "TCR" logo on the car list > Select the circuit where you want to setup your car > Select 'Start'
3. Once in the Practice session click on the "Tool" icon button on the left menu.



Use the "Setup I/O" tab to save/load your car setups

Use the rest of the tabs to Setup your car



Requirements for entering into Official Events

Online training & competitions

A. Voice App: DISCORD

Discord is a necessary and mandatory app that will be used to connect drivers with the race director, the technicians who manage the server (for any problems), and will be used for a drivers' briefing before the event. At the end of the race it will be used to interview drivers for the live streaming.

The app can be download both on your PC or a mobile device (Phone or Tablet).

TCR channel will be used for the communications of the TCR SimRacing events. A link to join the TCR Discord channel will be sent through the Official Communications

IMPORTANT

When entering the TCR channel put your **full Name and Last name** so each driver is easily recognisable. Please do not use nicknames.



[Forum link to Discord here](#)

B. How to find the server

To participate in Official Events (Tests and Races) all drivers must connect to an online server.
The TCR SimRacing Series will use DrivingItalia servers.

For each event there will be 2 Servers available:

1. A server for the Official Tests - *online training*
2. A server for the Official Races

To connect to the server (for the training or for the race) follow the next steps:

1. In the main menu, click on the 'Drive' button
2. Select 'Online' tab
3. Type the name of the server in the server name search box
4. Type the password
5. Join

Server name and password will be given with the Official Communication before each event.



Type "DrivingItalia"
here

IMPORTANT

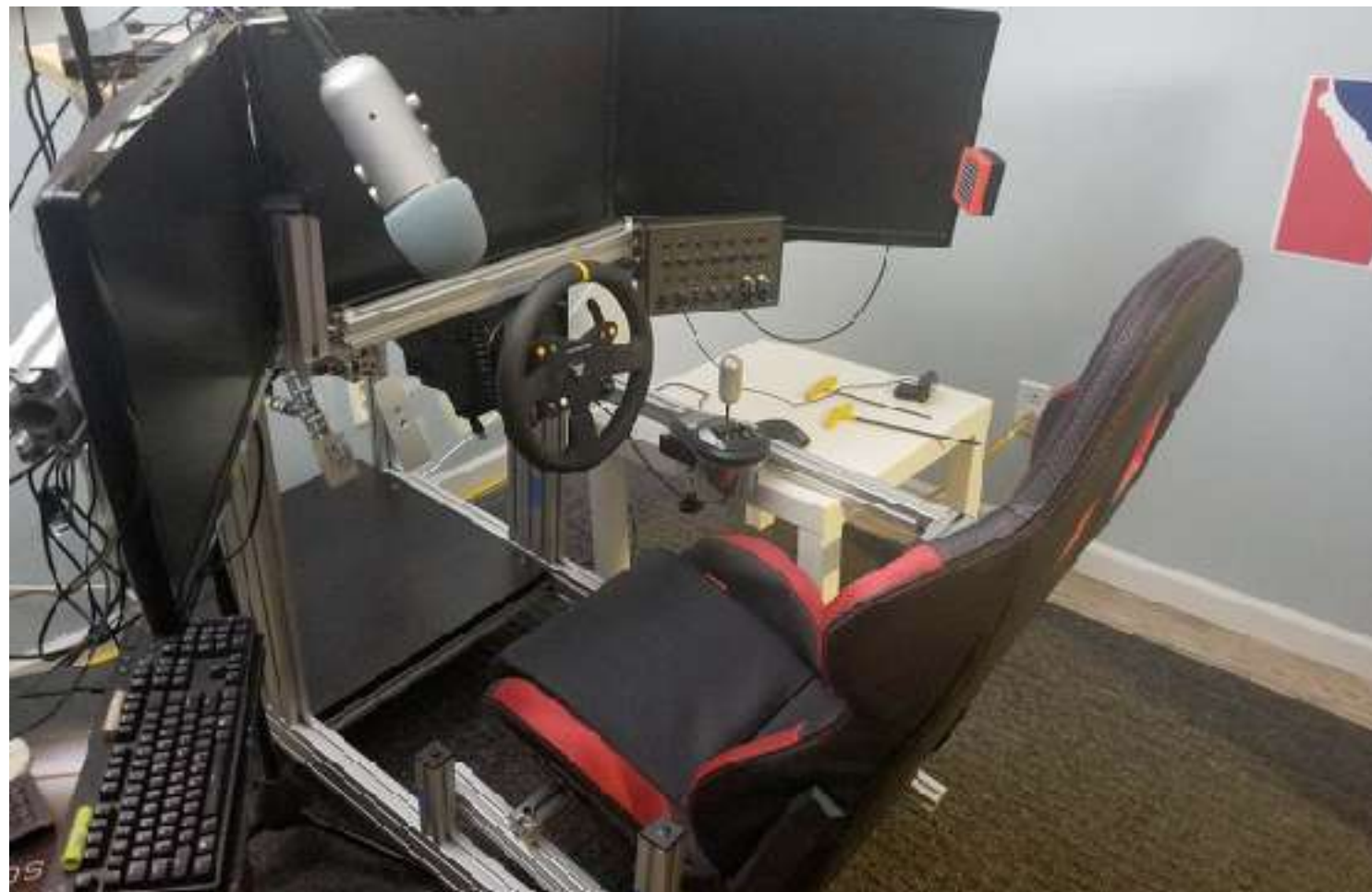
When entering the DrivingItalia servers put your **full Name and Last name** so each driver is easily recognisable. Please do not use nicknames.

[Forum link to Connect to the server and enter the race](#)

C. Connect your Webcam

Drivers might be requested to connect via Webcam during the Official Races, using the feed during the live streaming while they are driving or being interviewed.

➔ ***If this possibility is feasible for your series, more information on how to connect will follow in the Official Communications***



Recommendations for webcam use:

- Webcam must frame the driver in its cockpit where his face is clearly visible
- Creation of a “Studio” using a backdrop and Team’s official gear to maximise sponsors’ visibility

D. Radar App: HELICORSA

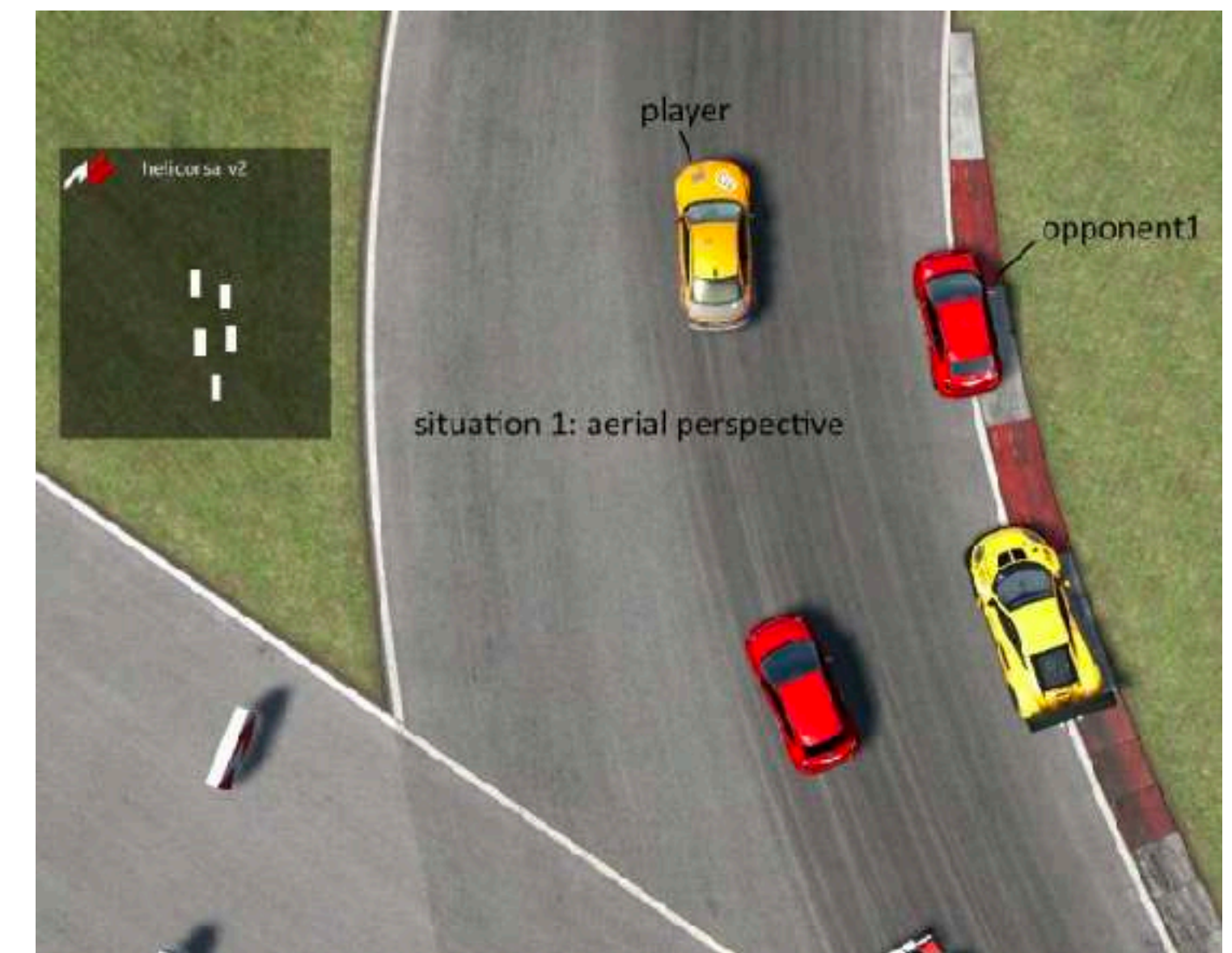
Helicorsa is a virtual radar showing the location of nearby cars during the race.

It is highly recommend the use of this app, but is not mandatory for participating in the competition.

If interested, you must install the app before starting the game following guide:

1. IMPORTANT: before proceeding be sure that Assetto Corsa is running.
2. Download Helicorsa App here
3. Extract/unzip the content to your assettocorsa directory:
Hard Disk (C:) -> Program Files -> Steam -> Steamapps -> Common -> Assetto Corsa
(C:\Program Files\steam\steamapps\common\assettocorsa)
4. Click on the unzipped file and launch the installation.
5. The content will extract itself to app\python\helicorsa (for the app) and content\gui\icons (for the icons).

You can overwrite older version without problem. Now start assetto corsa and enable the 'helicorsa' app in the settings/general.



[Forum link for HELICORSA App installation and doubts](#)



Training and Official Events

OFFLINE

TRAININGS

Drivers are able to train offline whenever they want in Assetto Corsa using the TCR MODs downloaded.

To do so you must: Launch Assetto Corsa > Click on Drive button on the main menu > Choose between 'Practice', 'Challegne' or 'Race' tabs > Select your car > Select the circuit > Start your test.

Here you can compete against AI.

ONLINE

OFFICIAL TESTS

Official testing sessions allow drivers to test against their Series competitors online. An "Official Tests Server" will be made available for drivers.

To connect to "Official Test Server" you must follow the instructions on slide 20 'How to find a Server'

The server name and password will be shared with Drivers through the Official Communications.

OFFICIAL RACES

An "Official Race Server" will be available for the races.

To connect to "Official Race Server" you must follow the instructions on slide 20 'How to find a Server'

The server name and password will be shared with Drivers through the Official Communications.



Requirements for Drivers

Drivers can participate in the competition using its **own livery**. To do so, each driver must send the following information to the Series' Promoter appointed staff:

- I. Pictures of the car: sides, front, rear (jpeg)
- II. A file with the pattern of the car (any format is valid, high definition) in case your car has a particular background pattern (example: Tom Coronel's cheese pattern)
- III. In case of sponsors: all logos in PNG format
- IV. All RGB colours code

TIMING: up to 5 working days from receiving the files

In case drivers would like to use a **“neutral” livery**, each driver can choose among the following designs (*slides 27 and 28*) and send its preferred design to the Series Promoter appointed staff.



Car Livery





TCRTM

WSC GROUP

www.wsc.group

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WSC World Sporting Consulting Limited

-

Registered Address: 10 Philpot Lae, First Floor,
London EC3M 8AA, United Kingdom