Warranty

The warranty period of this product is 1 year(except EURO,which is 2 years). With the product warranty card, valid invoice or/and other valid certificates for purchasing the product, users can enjoy the product within the valid period. In order for you to enjoy the warranty support of CAMMUS, please do not artificially damage the machine, and do not operate the machine or system abnormally under the guidance of the official or official authorized personnel.

Service Regulations

- The warranty card will not be reissued if it is lost, please keep it properly and present it when repair service is required.
- The warranty card does not assume other responsibilities, including but not limited to any accidental or consequential damage or loss of expected benefits or profits, work stoppage or damage due to use or inability to use the product, etc. responsibility.
- The parts replaced in the maintenance service will not be returned to the user.
- The calculation method of the validity period of the maintenance service is based on the date of purchase.
- If there is any discrepancy between the content recorded in the warranty card and the relevant national laws and regulations, the relevant national laws and regulations shall prevail.

Cases where warranty service is not performed

- Unable to produce valid invoices or/and other valid certificates and warranty cards stipulated in the warranty. (except for those that can prove that the product is within the validity period of the warranty according to the Three Guarantees regulations)
- The warranty card has traces of alteration or the recorded product information is inconsistent with the actual product.
- The barcode on the product is damaged or has traces of alteration.
- Natural consumption, wear and aging of consumable materials.
- Faults caused by lightning strikes or other electrical system reasons.
- Failures caused by force such as accidents, disasters, and wars.

- Damaged due to user behavior (self-refitting, repairing, or dismantling, refitting, repairing, etc. by a third party not authorized by CAMMUS).
- Software failure of peripherals or accessories that are not configured by the product itself and cause product failure.
- The use of third-party software that is not pre-installed on the product fails and causes product failure.
- It is used for failure or damage of products whose product instructions do not clearly state that they are compatible with the product.
- Faults caused by improper use or storage such as liquid damage, dampness, external force extrusion, drop, etc.
- Using pirated software or infecting with viruses during use causes malfunctions.
- Beyond the validity period of the warranty.
- Failure to use, maintain, and store according to the product instructions.

Products not distributed by CAMMUS.

Supplementary Note

*People who use or experience your device for the first time must be guided by the owner of the device.

*Hair, Loose clothing, cables, skirts, or other objects easily damaged or wrapped around wheel,should be kept away from the simulator.

*For users who use this product for simulated game activities, it is recommended to drive the car 30 minutes after the game is over.

*This instruction manual is only used as a general manual for a single product.

*The products demonstrated in this manual are only used as product descriptions and not as sales instructions.

The specific styles of products are subject to the purchase of the user.

*This manual is subject to update without prior notice. You can check the latest version of "User Manual" and other information on the CAMMUS official website and official information release platform.

www.cammusracing.com If you have any questions or suggestions about this instruction manual and all CAMMUS products, please contact us through information channels.

Thank you again for supporting CAMMUS!

Enterprise Introduction

CAMMUS was established in 2008. With its brand service of "high technology, high precision, high quality, high quality", it’s based on the auto parts market and is a benchmark enterprise in the industry that’s obvious to all. The company brings together high-tech innovative industries integrating the R&D, manufacturing, sales, and high-end services of electric supercars, purely electric go-karts, racing simulators, go-kart simulators, and high-performance parts, and insists on interpreting the outstanding charm of racing culture. In 2014, TITAN, China's first electric supercar, was built. It amazed the press conference in February 2016 with its outstanding performance of 0-100km/h acceleration in 3.9 seconds, top speed of 260km/h, and cruising range of 400km. In 2016, inheriting the core secrets of TITAN supercar's leading three-electric technology, CAMMUS created China's leading purely electric kart. A story of emotional realization quietly progressed to the fifth generation. In 2021, the racing simulator and the kart simulator were launched successively, and once launched, they received various praises and affirmations from the industry.

Note

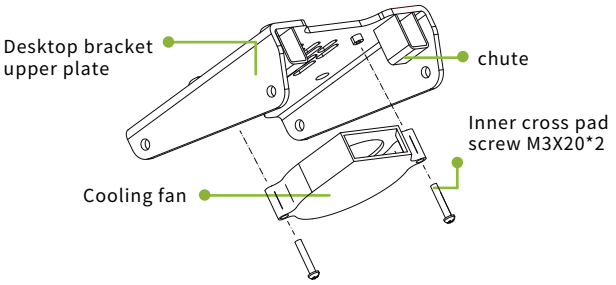
In order for you to use the CAMMUS C12 more safely and effectively, please be sure to read this instruction manual carefully before installation and use. It contains important product and safety information; please keep this manual for reference when necessary.

- This manual is applicable to steering wheels developed and produced by CAMMUS.
- When playing games with force feedback, it's recommended the user's game time is 60 minutes, with a 5-minute break every 20 minutes, and the game time should not exceed 120 minutes.
- When using it for the first time, please follow the steps in the [Instructions for Use].
- If the feedback force is too strong and cannot be controlled when entering the game, please stop the game immediately and make adjustments in time.
- This product is not suitable for use alone by teenagers or children under the age of 16. Parents or guardians must directly supervise and adjust the appropriate force feedback data for users under 16.

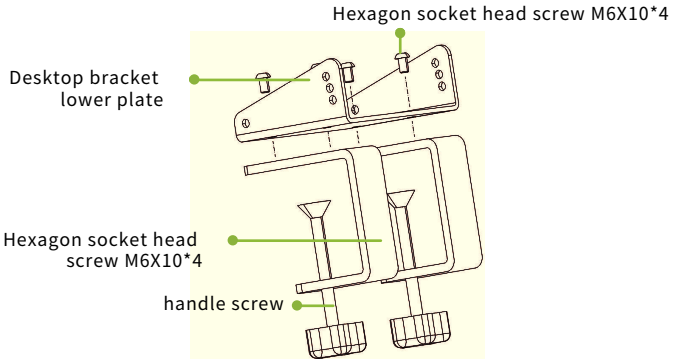
Hardware installation

Installation method one:

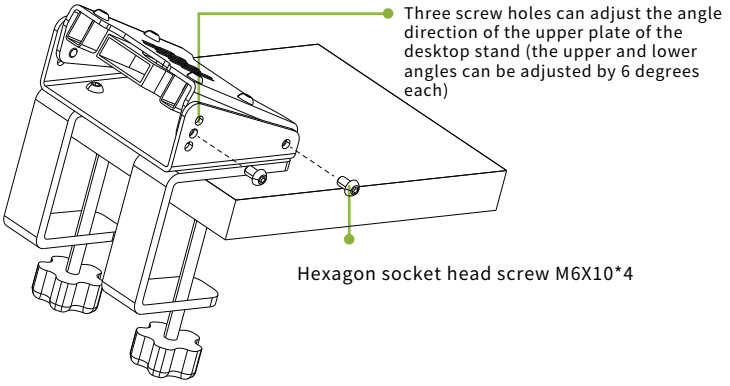
1.Install the cooling fan to the upper plate of the desktop bracket with the corresponding screws.



2.Fasten the lower plate of the desktop bracket to the desktop bracket with 4 corresponding screws.

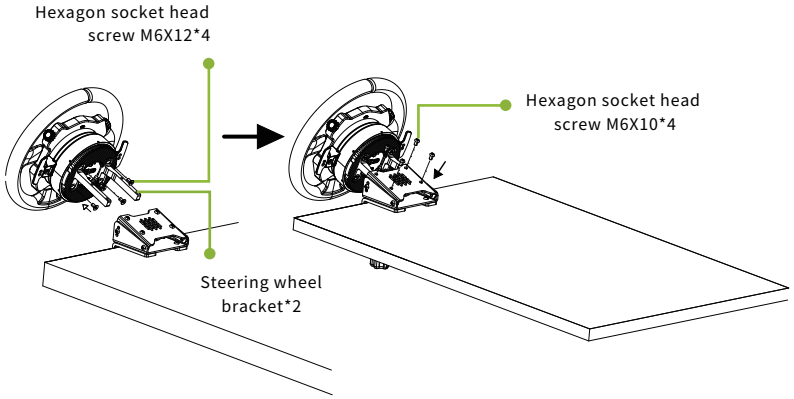


3.Fasten the assembled upper plate of the desktop bracket to the lower plate of the desktop bracket through four corresponding screws, and then tighten the desktop bracket and the desktop through two handle screws.



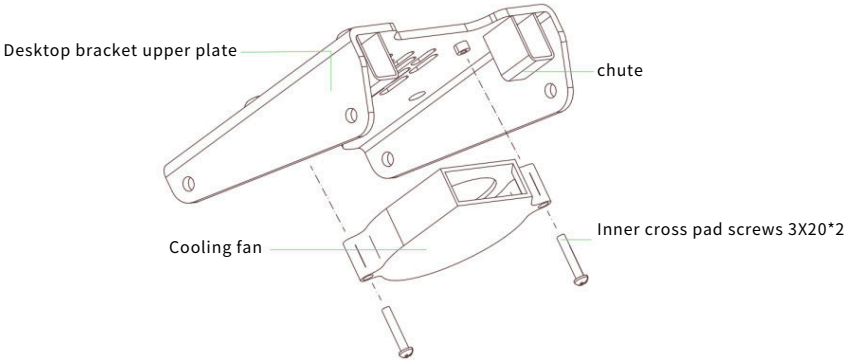
4.Connect the whole steering wheel to the steering wheel bracket through 4 corresponding screws, then insert the connected integral steering wheel assembly into the upper plate of the desktop bracket through the chute, and connect it with 4 corresponding screws to complete the installation of the desktop steering wheel.

(The side with the logo on the steering wheel bracket needs to face outwards, and the T-shaped shorter end of the steering wheel bracket needs to face upwards)

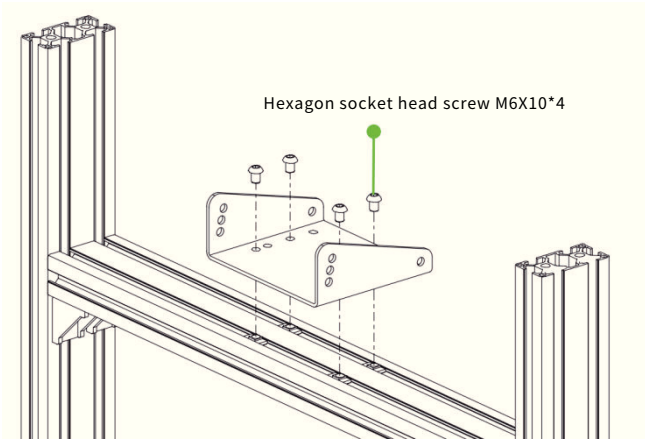


Installation method two:

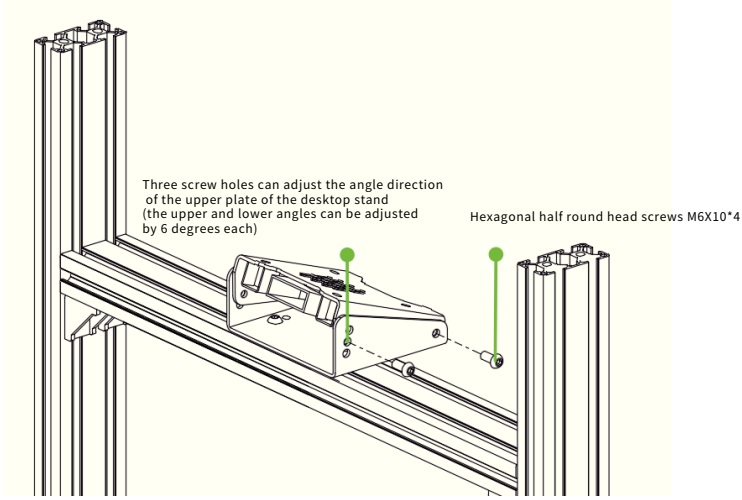
1.Install the cooling fan to the upper plate of the desktop bracket with the corresponding screws.



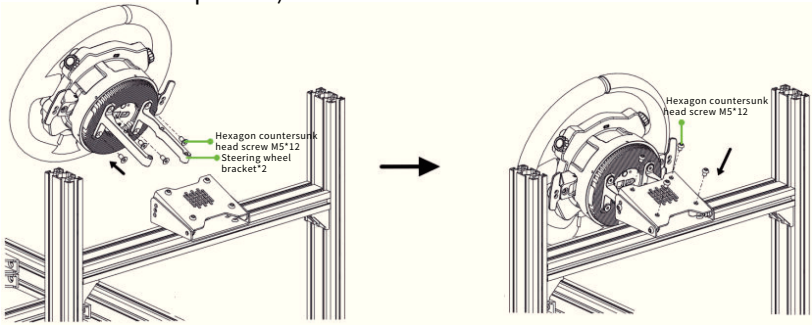
2.Pre-embed the T-shaped nuts into the slots of the profile bracket, then install the lower plate of the desktop bracket to the bracket, then align the four T-shaped nuts with the corresponding holes in the lower plate of the desktop bracket, and then tighten the required bolts



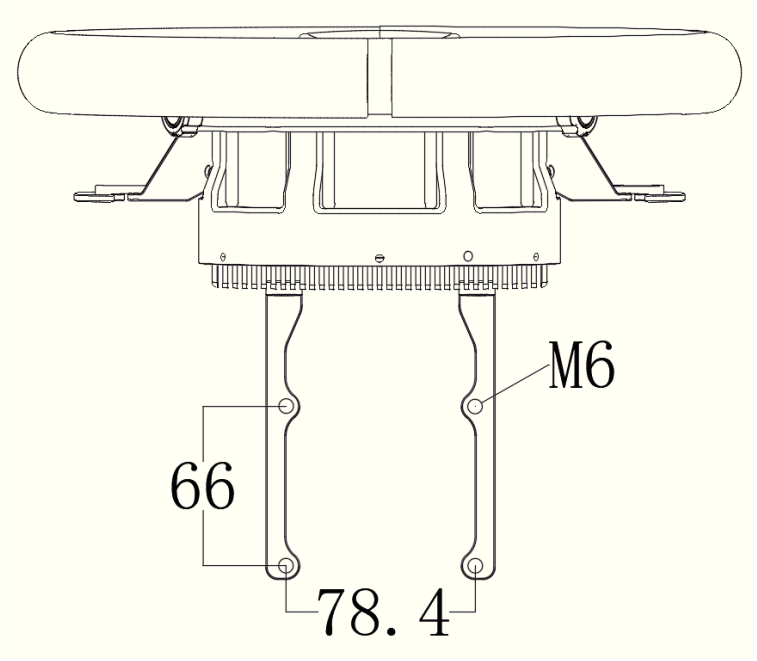
3.Fasten the assembled upper plate of the desktop bracket to the lower plate of the desktop bracket through 4 corresponding screws.

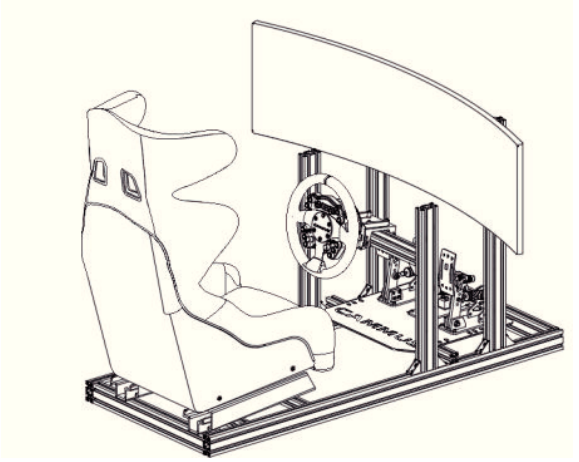


4.Connect the whole steering wheel to the steering wheel bracket through 4 corresponding screws, then insert the connected integral steering wheel assembly into the upper plate of the desktop bracket through the chute, and connect it with 4 corresponding screws to complete the installation of the desktop steering wheel.
(The side with the logo on the steering wheel bracket needs to face outwards, and the T-shaped shorter end of the steering wheel bracket needs to face upwards)

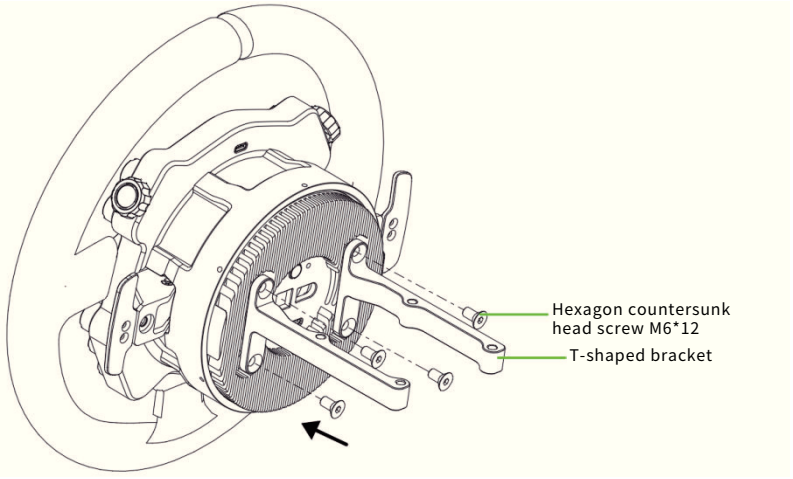


Installation method three:
The installation hole spacing diagram is as follows:





1.Install the steering wheel and connect the C12 steering wheel and T-shaped bracket through 4 M6*12 hexagonal countersunk head screws. As shown below: (The side of the T-shaped bracket with the logo needs to face outward, and the shorter end of the T-shaped bracket needs to face upward to ensure that the direction of the logo is positive)



2.Install the C12 steering wheel with the T-shaped bracket installed on the matching seat bracket (hole distance 66*78.4mm), align the holes and connect them with 4 corresponding screws to complete the installation of the steering wheel.

Specification parameters

Length, width and height	300*300*106mm
Steering Whee	300 Round steering wheel/ GTR steering wheel
Paddle shifters	Carbon fiber
Wheelbase body material	Aluminum alloy
Bare metal weight	4.8kg
Force feedback technology	Direct drive servo motor (12N·m)

Function keys: 22 in total, see the figure below for details



① LED speed light. ②Speedometer. ⑪ analog joystick. ⑫ Directional joystick.

⑮ ⑯ Paddle shifters

⑤ ⑥ ⑨ ⑩ ⑬ ⑭ ⑰ ⑱ ⑲ ⑳ function key buttons

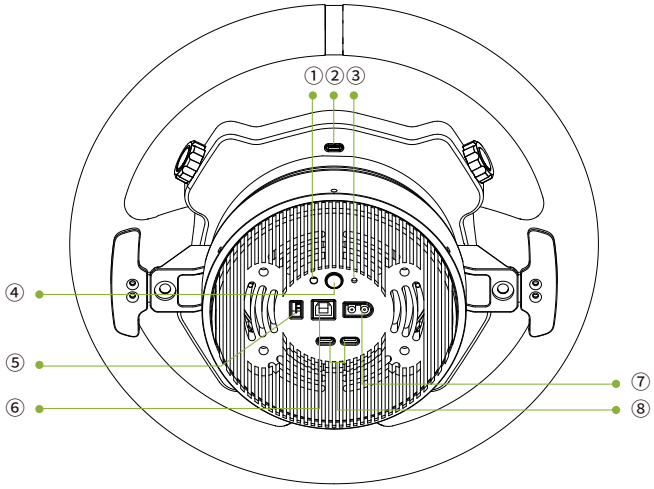
③ ④ 12-speed knobs. ⑦ ⑧ ㉑ ㉒ encoder

Introduction to using key combinations:

Knob switching gear mode: There are 12 gear knob modes and plus and minus gear knob modes. You can press and hold the upper encoder at the same time for 3-5 seconds. There will be a buzzer after success, and you can switch the 12-gear knob mode to plus or minus gear mode, or you can switch gear mode in the CAMMUS desktop application interface.

Note: None of the function keys have preset functions.
Please customize the functions in the game before using them.

Interface details on the back of the steering wheel:
For interface details, please refer to the drawing description, as shown in the figure;



① RES: reset button

② reserved port

③ Indicator light

④ POWER: power switch

⑤ FAN: fan

⑥ USB: usb data cable interface

⑦ DC INPUT: Power input port, input DC24V, 14.59A power supply

⑧ USB: USB data cable interface, supports the access of our company or third-party USB devices.

Power on: Connect the power and press the power button. The steering wheel will automatically rotate for self-test. If the steering wheel does not rotate automatically, please check whether the

external power supply of the steering wheel is properly connected.

Please note that there is areset button on the left sideof the C12 power button, sobe careful not toaccidentally touch it.
Shut down: Press and hold the power button for 3-5 Seconds. All the lights on the steering wheel will go out, indicating that the machine is shut down.

Firmware upgrade: You can connect to the computer through a Type-C cable, or you can upgrade the steering wheel's firmware through the CAMMUS app after connecting to the computer.

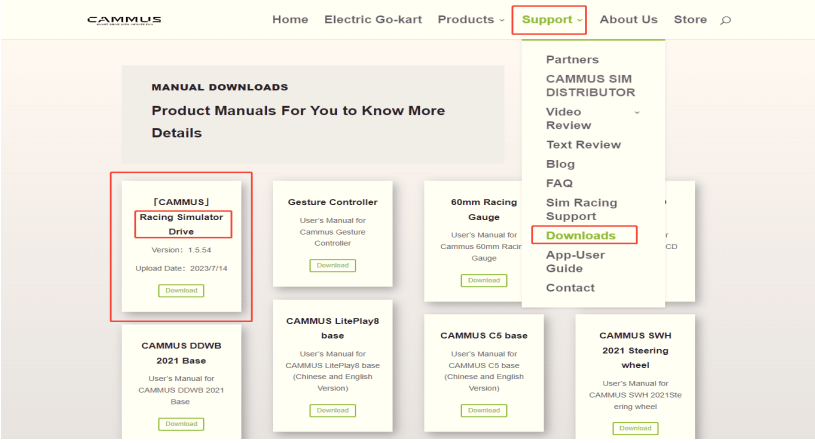
packing list

CAMMUS C12 body	*1
Square USB cable	*1
Power Adapter	*1
Power cord	*1
T-shaped bracket-left	*1
T-shaped bracket-right	*1
Tool kit	*1
Instruction manual + warranty card	*1
Cooling fan	*1

CAMMUS desktop download and installation

1.Desktop download

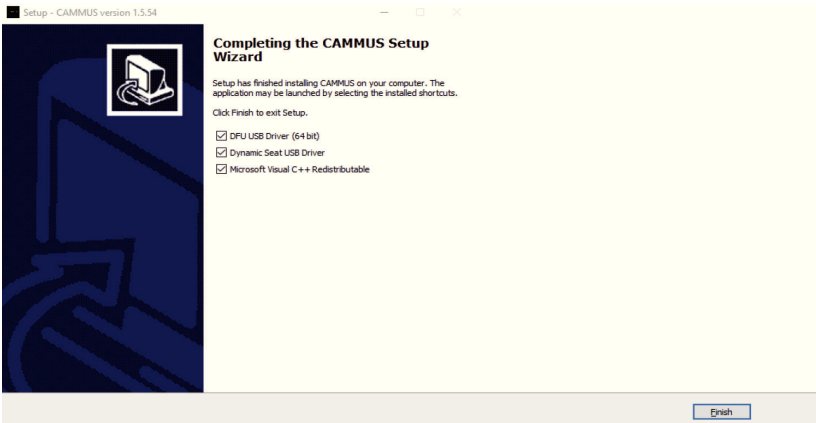
Enter CAMMUS official website (https://cammusracing.com/downloads/) to download the latest desktop and install it. (CAMMUS official website →download → click the latest desktop driver to download)



2.Desktop installation

①Install according to the installation prompt;

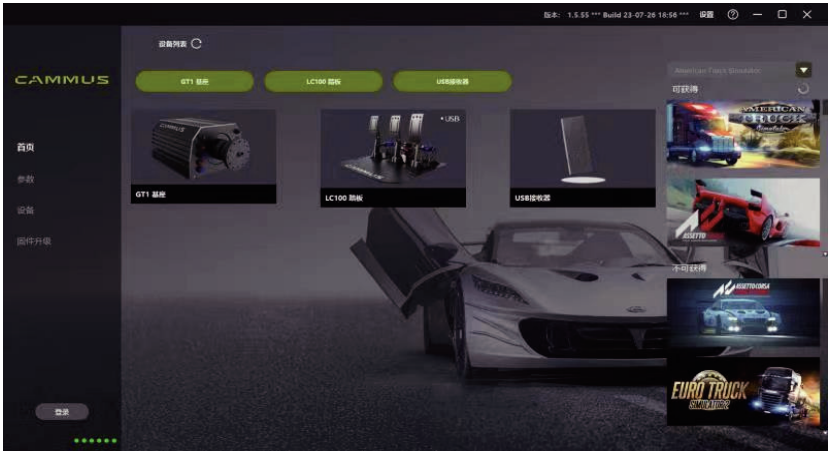
②After the desktop installation is complete, check all the necessary environment drivers to install;



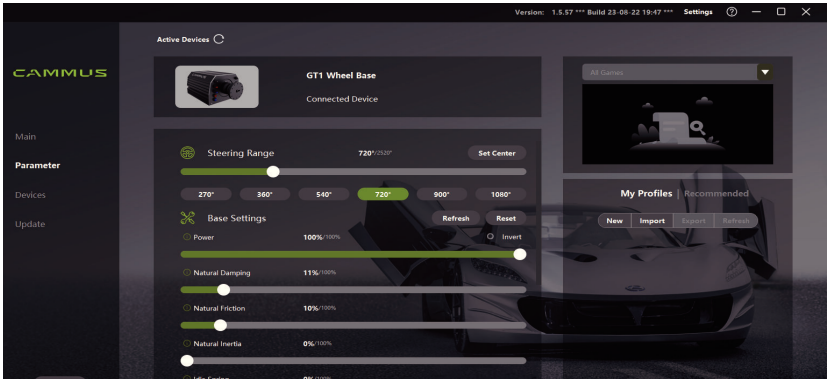
Software introduction and equipment setting

After the device is connected, open the installed desktop, check the device connection status on the home page → select the steering wheel on the device page to set the center of the steering wheel → set the mechanical return value of the base on the parameter page → select the pedal on the device page to set the maximum and minimum pedal values → start the game.

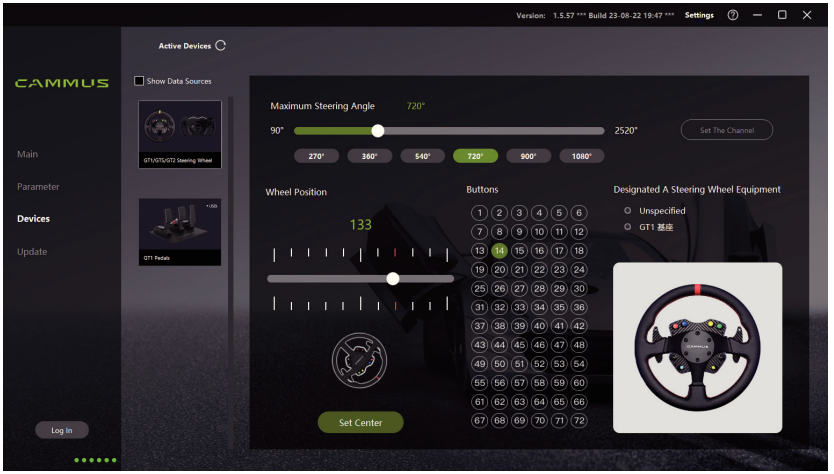
①Home page: You can check the connection status of each device, quickly start the game, and upload personal practice results da



②Parameters: Base setting interface, including basic settings of the base and game effect settings. Beginner players can quickly match the appropriate feel to play the game by adjusting the basic settings. After getting familiar with it, they can adjust the exclusive force feedback effect by making advanced game effect settings.

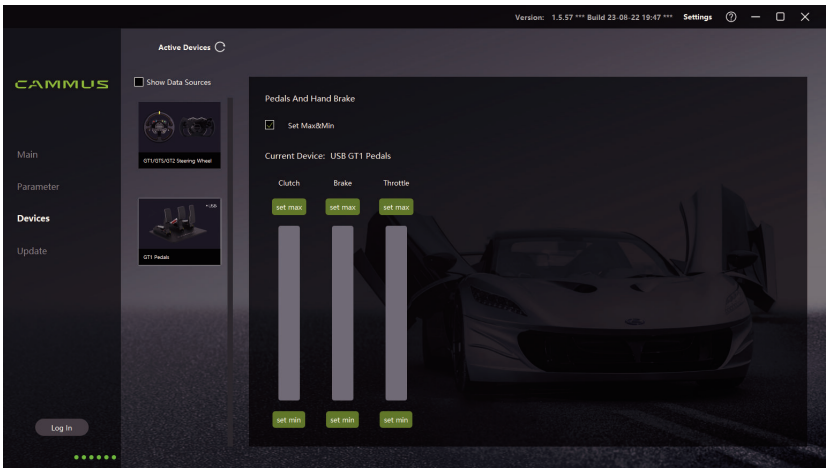


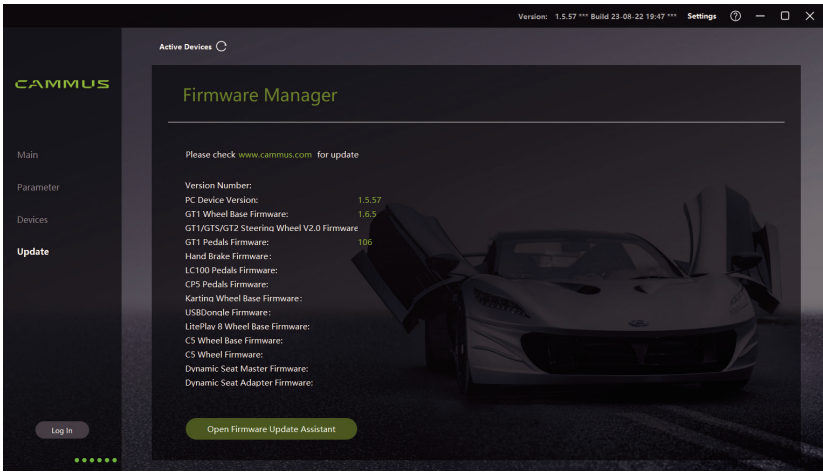
③Equipment: Mainly check and set the working status of each device, including equipment settings such as handbrake, steering wheel, pedals, and dynamic seats.



Enter the steering wheel interface and set the center of the steering wheel.

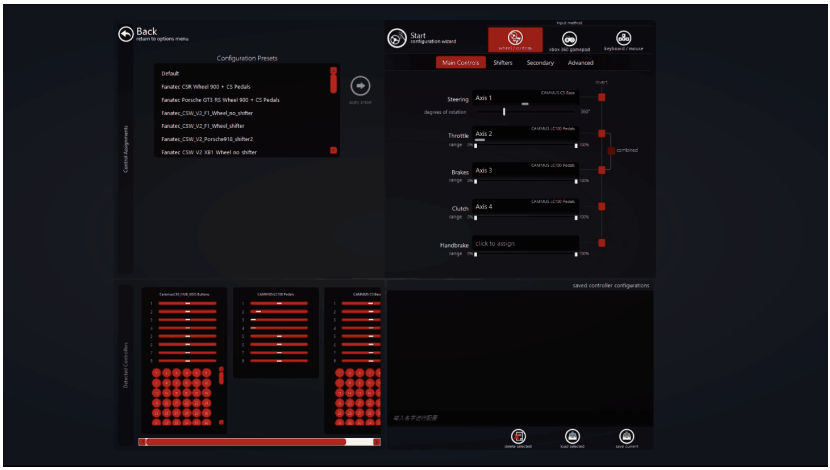
④Set the maximum/minimum value of the pedal: Enter the pedal setting interface, click the minimum value of the accelerator, and wait for the prompt that the setting is successful. At this time, step on the accelerator fully, hold it and click the maximum value until it prompts that the setting is successful; the same is true for the brake and clutch.





Start the game and game settings

Launch the game after device preset is done. Enter the game setting interface, set the axes and buttons.
Take Assetto Corsa as an example:



Steering axis setting: click setting, swing the steering wheel, and enter the steering wheel steering axis;

Accelerator setting: click on the setting, lightly step on the accelerator pedal, and enter the accelerator shaft; brake and clutch are reasonable;

Paddle Settings: The upshift button sets the right paddle, and the downshift sets the left paddle. It can also be set according to personal habits.

Complete the basic settings of steering, pedals and paddles to meet the needs of the game. All CAMMUS steering wheel keys can be customized, and players can set other keys in the game according to their own preferences.