


THRUSTMASTER®
THRUSTMASTER SF1000
Formula Wheel Edition



THRUSTMASTER SF1000 Formula Wheel Edition Instruction Manual

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THRUSTMASTER®

THRUSTMASTER SF1000 Formula Wheel Edition



Specifications:

- Product Name: Formula Wheel Add-On
- Compatibility: TX, TS-XW, T300, T-GT, TS-PC bases
- Connection: USB to USB-C
- Features: Sequential and magnetic paddle shifters, dual analog paddles

Product Usage Instructions

Updating the Firmware:

1. **Removing the Paddle Shifters:** Physically remove the paddle shifters from the rim.
2. **Updating the Firmware:**
 1. Download the latest Driver package for your wheel's base from the manufacturer's website.
 2. Connect the rim to your PC using the USB to USB-C cable.
 3. Launch the firmware updater software and follow the on-screen instructions.
3. **Putting the Paddle Shifters Back:** Reinsert and retighten the screws in the correct order after updating.

Installing the Rim on its Base:

Be cautious not to overtighten the attachment screw when securing the rim to the base using a Phillips screwdriver.

PC Mapping:

- Action Buttons: Various mapping options available for different games.
- Dual Analog Paddles (DAP): Assign functions to left and right paddles.
- Screen Display Management: Control screen settings and menu navigation.

PS4TM- PS5TM Mapping:

In some games, ensure to select Thrustmaster Advanced Racer in game control settings for optimal performance.

Frequently Asked Questions (FAQ):

1. **Q: What should I do if my rim is not recognized by the PC or gaming console?**

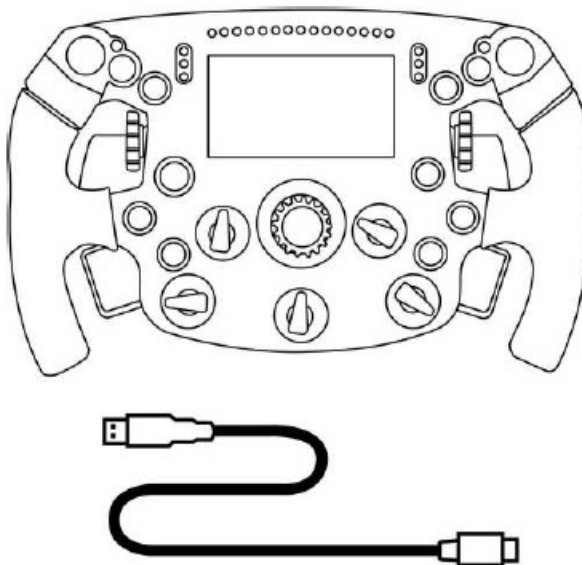
A: Ensure that the firmware of both the rim and the base are updated to the latest versions. Check the connection and try different USB ports.

2. **Q: Can I customize the button mappings on the Formula Wheel Add-On?**

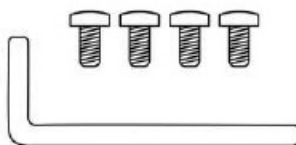
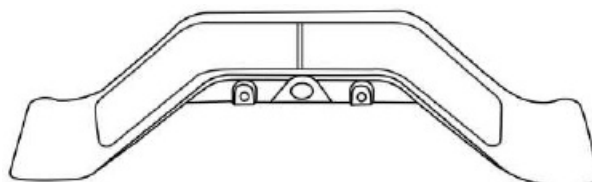
A: Yes, you can customize button mappings based on your preferences and game requirements using the provided software or in-game settings.

BOX CONTENTS

OPTION 1:

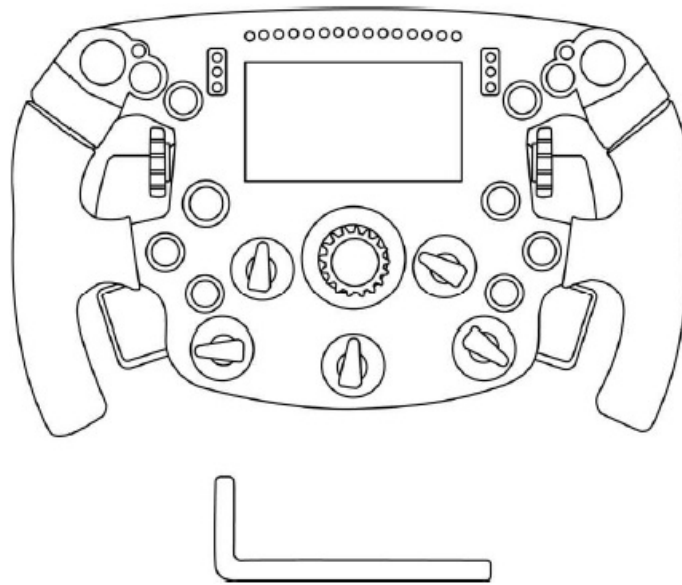


- One Formula Wheel Add-On rim
- One USB to USB-C cable (to update the rim's firmware)



- One sequential and magnetic paddle shifters kit
- One 2.5 mm Allen key + four M3-type Allen screws (to attach the paddle shifters kit to the rim)

OPTION 2:

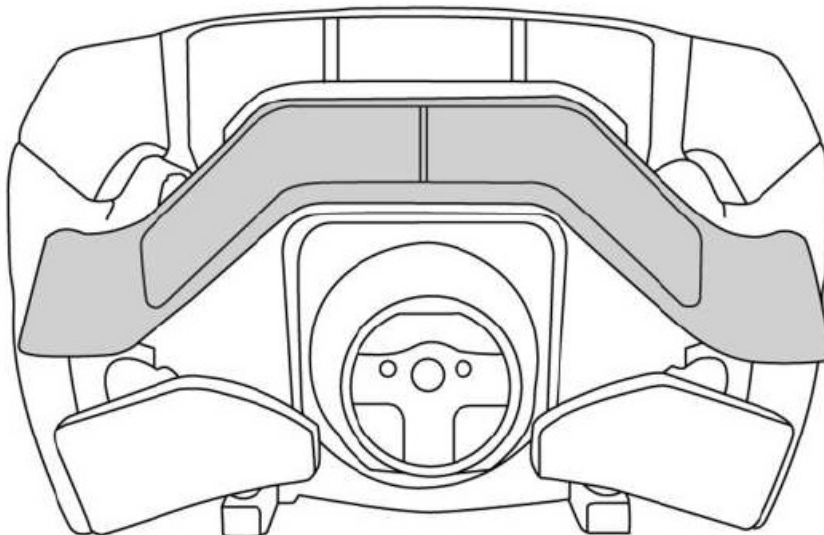


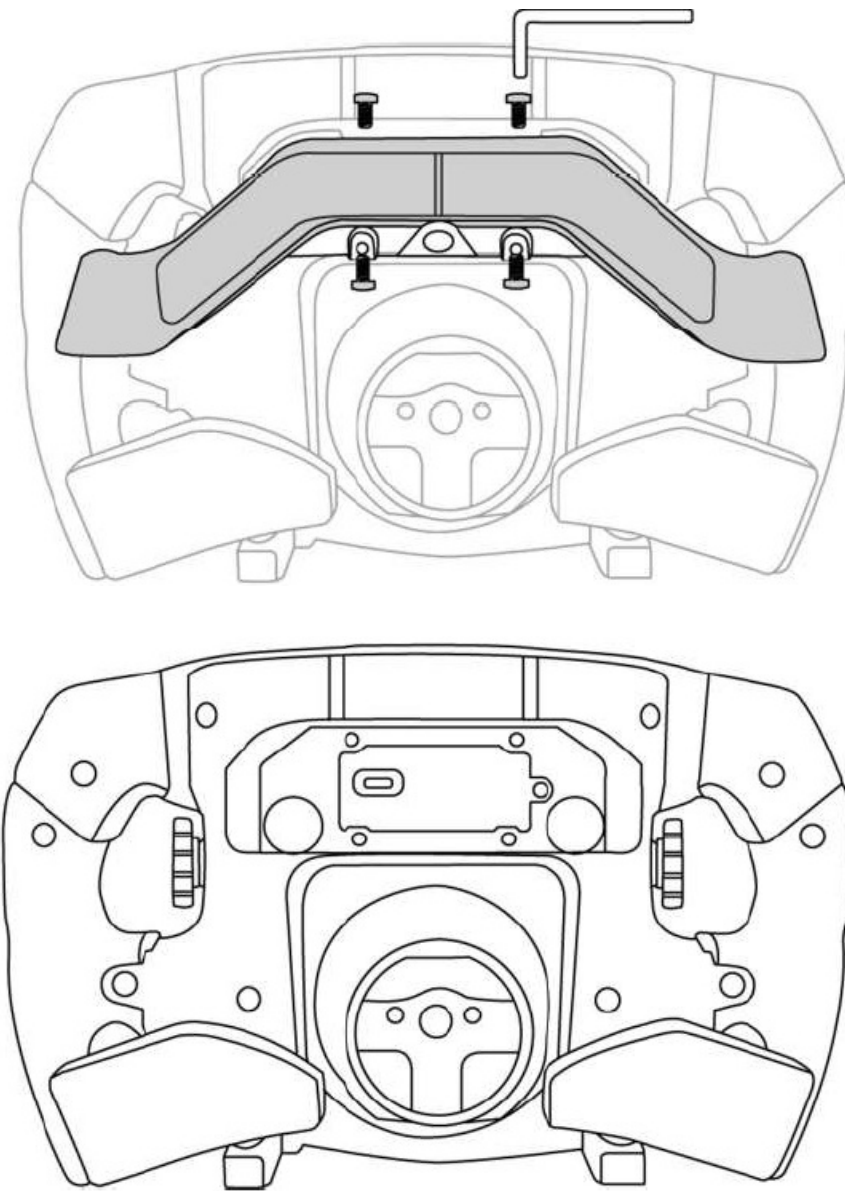
- One Formula Wheel Add-On rim
- One 2.5 mm Allen key

UPDATING THE FIRMWARE OF THE RIM

The wheel rim's firmware update is carried out via the USB port located on the back of the wheel rim. To do this, you will need to physically remove the paddle shifters, carry out the update, and then put the paddle shifters back in place as set out in the following procedures.

REMOVING THE PADDLE SHIFTERS:





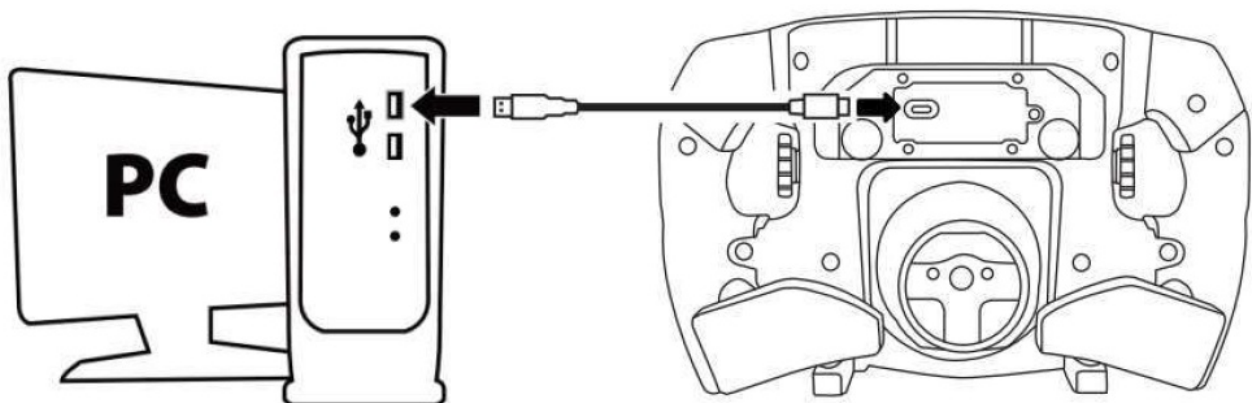
UPDATING THE FIRMWARE OF THE RIM:



It is imperative that you update your rim's firmware with the latest version.

For this:

- On PC, download the latest Driver package of your wheel's base available at <https://support.thrustmaster.com>: click on Racing Wheels / [your base's name] / Drivers.
- Connect the rim to the PC with the USB to USB-C cable*



- Launch the firmware updater and follow the instructions:



Thrustmaster Firmware Updater

→ 1. Preparation

Device	SF1000 - Ver.: 5.04
Firmware	Ver.: - /01/2021- SF1000_S32L4R7_... .tmf



Thrustmaster Firmware Updater

1. Preparation

2. DFU Firmware

3. Final Check



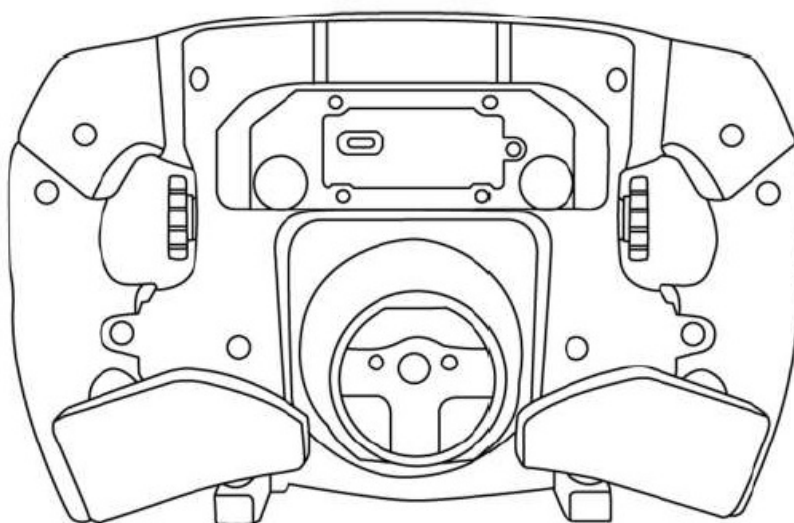
Updating the firmware of the base

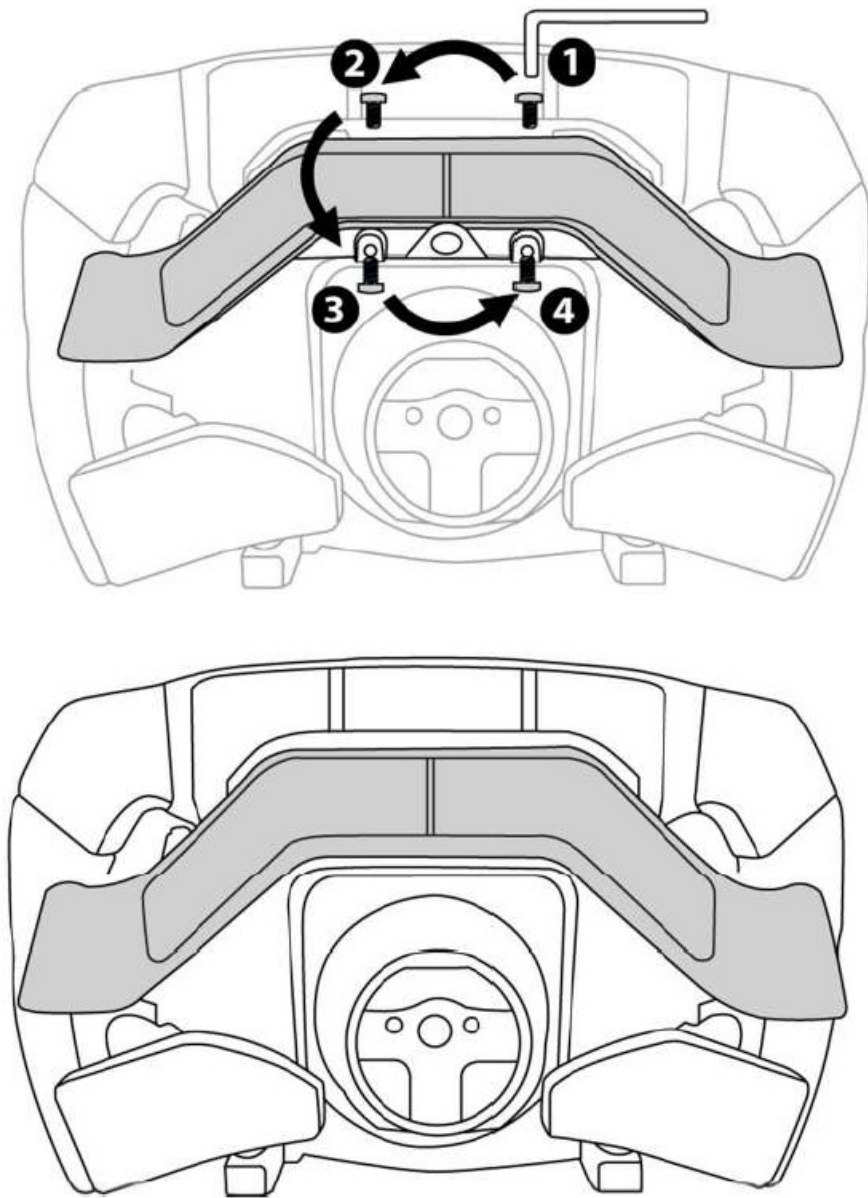
It is imperative that you update your wheel's base firmware with the latest version. To ensure that your Formula Wheel Add-On functions correctly with your racing wheel's base (TX, TS-XW, T300, T-GT or TS-PC bases), it is imperative that you update your base's firmware with the latest version available at <https://support.thrustmaster.com> (click on Racing Wheels / [your base's name] / Firmware, then follow the instructions and the download and installation procedure). If you don't update the firmware of your racing wheel's base the wheel will not function correctly.

*May or may not be included, depending on the model version

PUTTING THE PADDLE SHIFTERS BACK IN PLACE:

Once the update has been completed, carry out the procedure below (taking care to follow the order indicated for reinserting and retightening the screws).



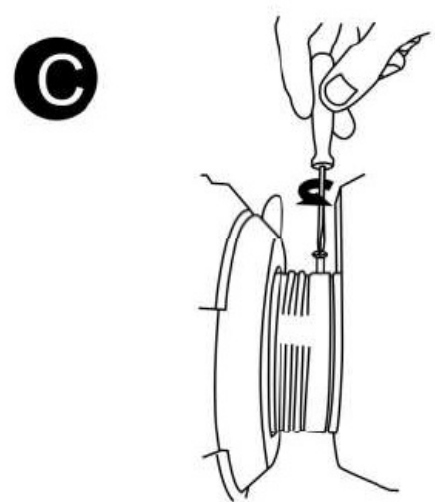
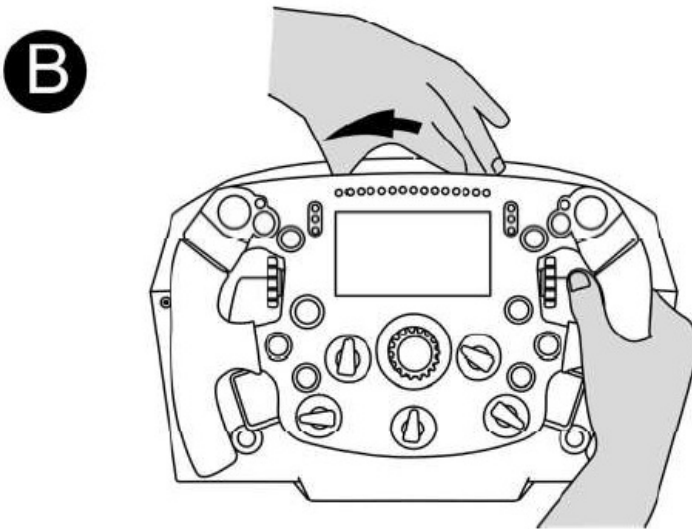
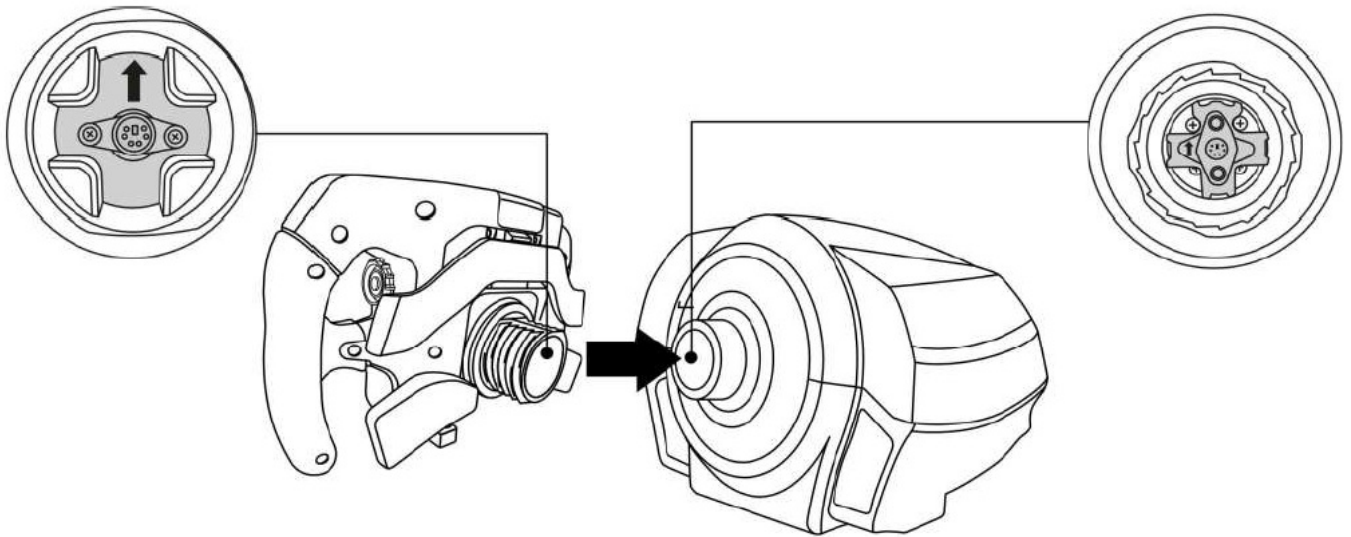


INSTALLING THE RIM ON ITS BASE

Align the connector positions using the arrows:

- Base connector: arrow pointing upwards
- Rim connector: arrow pointing upwards

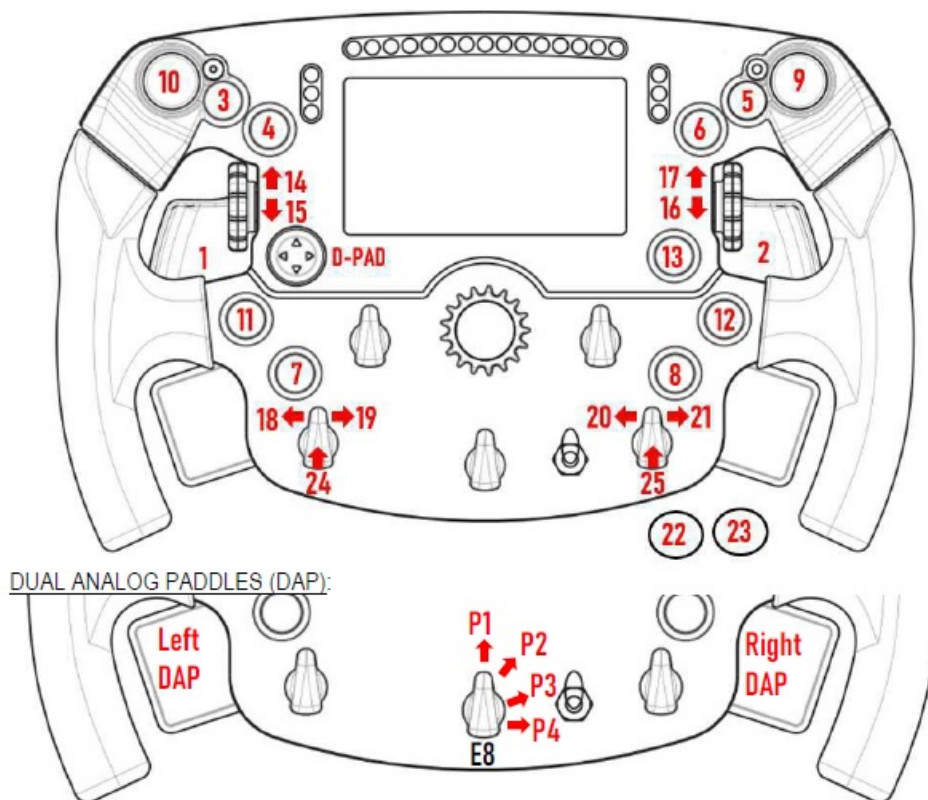
Once the connectors are correctly positioned, simply rotate the Thrustmaster Quick Release device's ring counterclockwise, while holding the rim in position. Then, tighten the ring as much as you can: to do so, hold the ring in position and rotate the rim clockwise. Once you have installed the rim, rotate it 180° (when facing the wheel, the Ferrari logo should be upside down) to access the small attachment screw located on the ring of the Thrustmaster Quick Release device. Use a large Phillips screwdriver to tighten the small attachment screw (do not use excessive force), turning it clockwise.



Do not use excessive force when tightening the small attachment screw (using a Phillips screwdriver)! Stop turning the screw as soon as you feel some resistance

PC: MAPPING

ACTION BUTTONS:



E8 Position 1 – Left DAP = Brake (Y Axis)
Right DAP = Gas (RZ Axis)

E8 Position 2 – Left DAP = Clutch (Slider0 Axis)
Right DAP = Additional/Mappable (RY Axis)

E8 Position 3 – Left DAP = Clutch (Slider0 Axis)
Right DAP = Clutch (Slider0 Axis)

E8 Position 4 – Left DAP = Additional/Mappable (RX Axis)
Right DAP = Additional/Mappable (RY Axis)

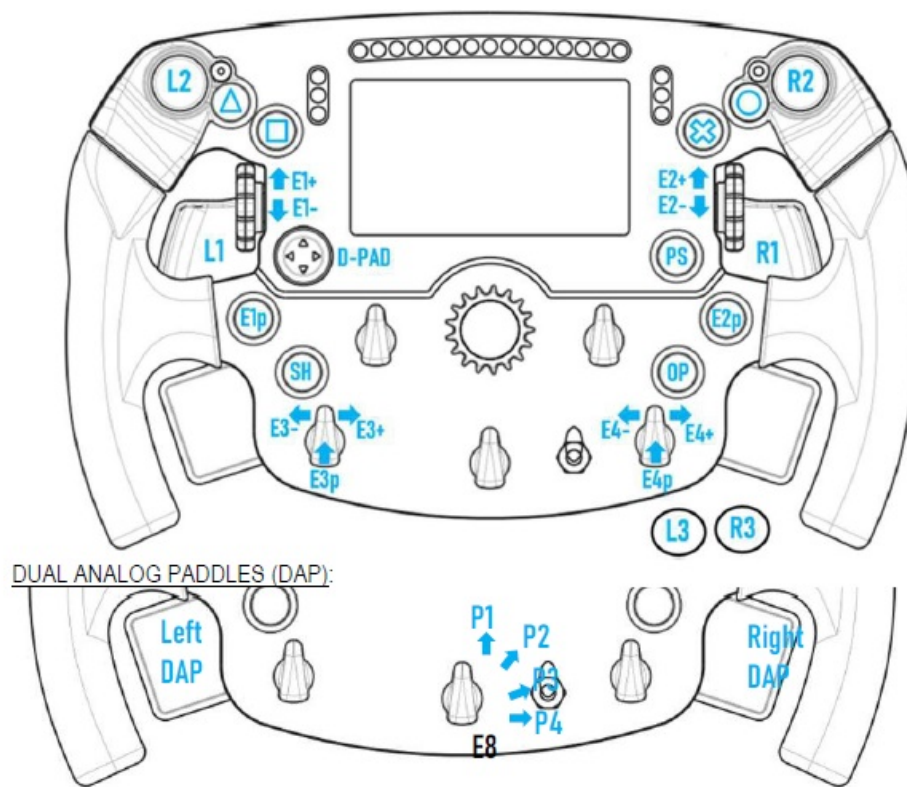
On PC:

- The screen of the Formula Wheel Add-On is compatible in native and/or in UDP mode (in compatible games).
- The encoders (14/15/16/17/18/19/20/21/24/25) work in most games
- The TX, TS-XW, T300, T-GT and TS-PC bases equipped with the Formula Wheel Add-On are recognized as a Thrustmaster Advanced Racer device.

In some games, you must select Thrustmaster Advanced Racer in GAMES OPTIONS / SETTINGS / CONTROLS.

PS4™- PS5™: MAPPING

ACTION BUTTONS:



E8 Position 1 – Left DAP = Brake
Right DAP = Gas

E8 Position 2 – Left DAP = Clutch
Right DAP = Handbrake

E8 Position 3 – Left DAP = Clutch
Right DAP = Clutch

E8 Position 4 – Left DAP = Left View
Right DAP = Right View

Pairing your racing wheel

Power on your PS4™ or PS5™ console, and then connect your racing wheel to one of the console's USB ports. When the racing wheel's self-calibration process is complete, press the PlayStation® button on the racing wheel to connect the racing wheel to your PlayStation® profile.

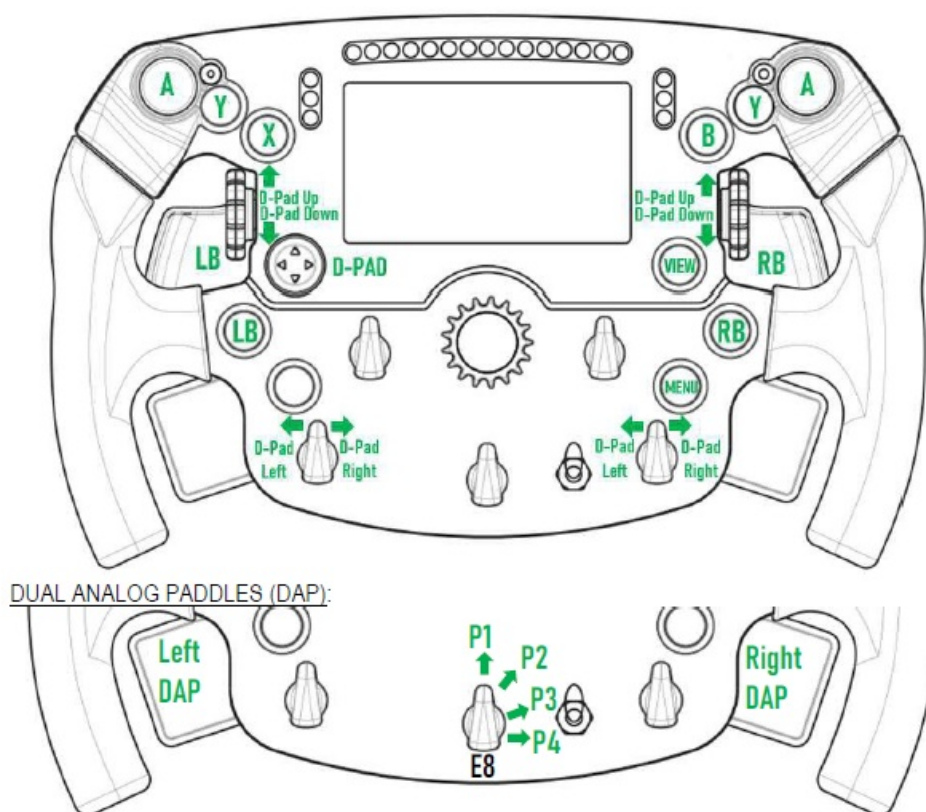
On PS4™ and PS5™:

- The screen of the Formula Wheel Add-On is compatible in native and/or in UDP mode (in compatible games).
- The encoders (E1/E2/E3/E4) work in games compatible with the Thrustmaster encoders (such as F1 2020, Gran Turismo Sport, Assetto Corsa® Competizione and other upcoming compatible games).
- Left DAP and right DAP (in position 4 for left and right views) work in games compatible with the Thrustmaster ministicks (such as Gran Turismo Sport and other upcoming compatible games).
- The T300 base equipped with the Formula Wheel Add-On is recognized as a T-GT base or a Thrustmaster Advanced Racer device.

In some games, you must select Thrustmaster Advanced Racer in GAMES OPTIONS / SETTINGS / CONTROLS.

XBOX ONE® – XBOX SERIES X|S: MAPPING

ACTION BUTTONS:



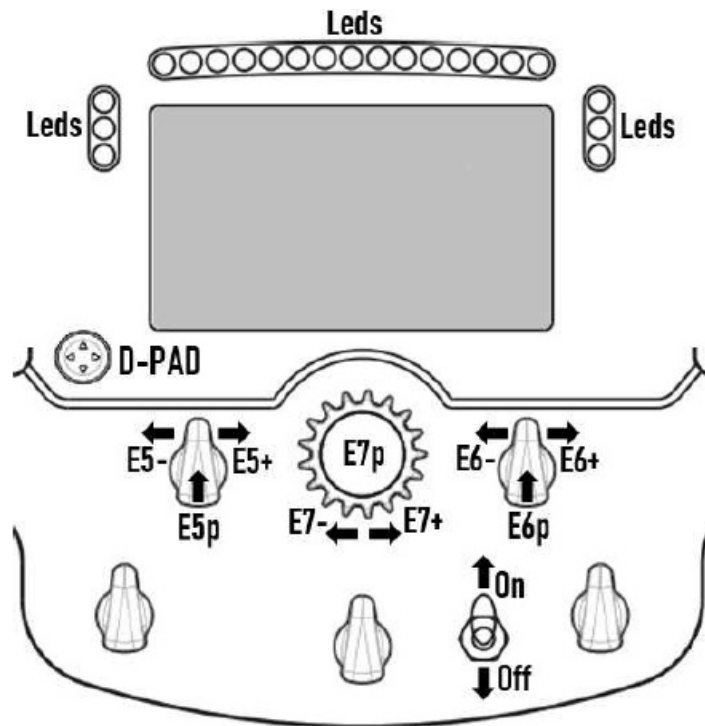
DUAL ANALOG PADDLES (DAP):




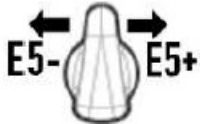

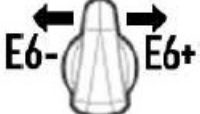

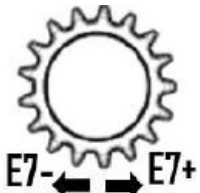
E8 Position 1 – Left DAP = Brake Right DAP = Gas
E8 Position 2 – Left DAP = Clutch Right DAP = Handbrake
E8 Position 3 – Left DAP = Clutch Right DAP = Clutch
E8 Position 4 – Nothing

On Xbox One® and Xbox Series X|S:















































- The screen of the Formula Wheel Add-On is compatible only in UDP mode (in compatible games) and not in NATIVE mode, due to the limitation by the console protocol.
- Some features (encoders, number of buttons, dual analog paddles) are limited by the console protocol.

SCREEN DISPLAY MANAGEMENT: MAPPING



	TURN ON or OFF the SCREEN		SELECT DARK or BRIGHT MODE (in native or UDP games)
	ENTER or EXIT The wheel's menu		CHANGE the SKIN (in native or UDP games)
	NAVIGATE (in the wheel's menu)		CHANGE the SCREEN (in native or UDP games)
	VALIDATE or CHANGE PARAMETERS (in the wheel's menu)		
	CHANGE PARAMETERS (in the wheel's menu)		

SCREEN DISPLAY MANAGEMENT: WHEEL'S MENU

	ENTER or EXIT THE WHEEL'S MENU		VALIDATE or CHANGE PARAMETERS
	NAVIGATE (in the wheel's Menu)		CHANGE PARAMETERS
    	<div> <div>WI-FI <input type="checkbox"/></div> <div>WI-FI Parameters:</div> <ul style="list-style-type: none"> - SSID Network Name - IP xxx.xxx.xx.xxx - UDP 20777 - MAC XX-XX-XX-XX-XX-XX - Signal Strength 98.0 % </div>	<ul style="list-style-type: none"> - ACTIVATE or DISABLE the WI-FI (for UDP games). - Use the WPS functionality (for UDP games). - Display your WI-FI PARAMETERS. (SSID / IP / UDP / MAC / Signal Strength) 	
    	<div> <div>Metric Imperial Custom</div> <div>  °C  L  kJ </div> <div>  kph  km  kW  kPa </div> </div>	<p>DRIVING DISPLAY PARAMETERS (native and UDP modes)</p> <p> (default): The game automatically selects the DRIVING UNITS to display.</p> <p>: Change manually the UNITS to display (Metric / Imperial / Custom).</p>	
    	<div> <div>*****</div> <div></div> <div>    </div> </div>	<ul style="list-style-type: none"> - Change the SCREEN BRIGHTNESS. - Change the LEDS BRIGHTNESS. 	
    	<div> <div>UDP OFF</div> <div>Codemasters F1 2019, 2020</div> </div>	<ul style="list-style-type: none"> - Select UDP games. 	
    	<div> <div>  Formula Wheel Add-On Ferrari SF1000 edition Firmware: V..... S/N: 1230150301002024 </div> <div>  tm_connect_XXXXX.local Firmware:..... </div> <div>  T-SERVO BASE Firmware: V..... S/N: 650T177B010007 </div> <div>  WI-FI (UDP) Codemasters 2019 UDP Port: 20777 </div> </div>	<ul style="list-style-type: none"> - Display your RACING WHEEL PARAMETERS (firmware version of the rim and the base used / serial number of the rim and the base used / Wi-Fi status, etc.). 	

Important Note: The D-pad is disabled in games when you enter the wheel's menu.

SCREEN IN GAMES: NATIVE mode or UDP mode

The screen of the Formula Wheel Add-On works in compatible games in NATIVE mode or in UDP mode. The list of compatible games is available at <https://support.thrustmaster.com>: click on Racing Wheels / Formula Wheel Add-On / Games settings.



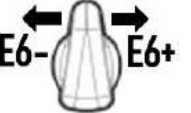
*** NATIVE mode (PC / PS4™ / PS5™):**

- The SDK of the wheel is already included in the game = the wheel (screen and buttons) is plug and play.
- You don't need to configure any Wi-Fi parameters and you don't need to be connected to a Wi-Fi network during gameplay.
- More telemetry settings are displayed (with more accuracy and no latency).

*** UDP mode (PC / PS4™ / PS5™ / XBOX ONE® / XBOX SERIES X|S):**

- You need to configure your Wi-Fi parameters and you need to be connected to a Wi-Fi network during gameplay.
- Fewer telemetry settings are displayed (with sometimes less accuracy) and data display is subject to latency (depending on your Wi-Fi home settings).
- The procedure to activate the UDP mode is available at <https://support.thrustmaster.com>: click on Racing Wheels / Formula Wheel Add-On / Manual).

SCREEN DISPLAY MANAGEMENT IN GAMES

	SELECT DARK or BRIG HT MODE		CHANGE the SK IN		CHANGE the SC REEN
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Example of available screens at launch:

(will be updated later with other upcoming compatible games)



(*): Available in NATIVE and UDP modes

(**): Only available in NATIVE mode

CONSUMER WARRANTY INFORMATION

Worldwide, Guillemot Corporation S.A., whose registered office is located at Place du Granier, B.P. 97143, 35571 Chantepie, France (hereinafter “Guillemot”) warrants to the consumer that this Thrustmaster product shall be free from defects in materials and workmanship, for a warranty period which corresponds to the time limit to bring an action for conformity with respect to this product. In the countries of the European Union, this corresponds to a period of two (2) years from delivery of the Thrustmaster product. In other countries, the warranty period corresponds to the time limit to bring an action for conformity with respect to the Thrustmaster product according to applicable laws of the country in which the consumer was domiciled on the date of purchase of the Thrustmaster product (if no such action exists in the corresponding country, then the warranty period shall be one (1) year from the original date of purchase of the Thrustmaster product).

Should the product appear to be defective during the warranty period, immediately contact Technical Support, who will indicate the procedure to follow. If the defect is confirmed, the product must be returned to its place of purchase (or any other location indicated by Technical Support). Within the context of this warranty, the consumer's defective product shall, at Technical Support's option, be either replaced or returned to working order. If, during the warranty period, the Thrustmaster product is subject to such reconditioning, any period of at least seven (7) days during which the product is out of use shall be added to the remaining warranty period (this period runs from the date of the consumer's request for intervention or from the date on which the product in question is made available for reconditioning,

if the date on which the product is made available for reconditioning is subsequent to the date of the request for intervention). If permitted under applicable law, the full liability of Guillemot and its subsidiaries (including for consequential damages) is limited to the return to working order or the replacement of the Thrustmaster product. If permitted under applicable law, Guillemot disclaims all warranties of merchantability or fitness for a particular purpose.

This warranty shall not apply:

1. if the product has been modified, opened, altered, or has suffered damage as a result of inappropriate or abusive use, negligence, an accident, normal wear, or any other cause unrelated to a material or manufacturing defect (including, but not limited to, combining the Thrustmaster product with any unsuitable element, including in particular power supplies, rechargeable batteries, chargers, or any other elements not supplied by Guillemot for this product);
2. if the product has been used for any use other than home use, including for professional or commercial purposes (game rooms, training, competitions, for example);
3. in the event of failure to comply with the instructions provided by Technical Support;
4. to software, said software being subject to a specific warranty;
5. to consumables (elements to be replaced over the product's lifespan: disposable batteries, audio headset or headphone ear pads, for example);
6. to accessories (cables, cases, pouches, bags, wrist-straps, for example);
7. if the product was sold at public auction.

This warranty is nontransferable. The consumer's legal rights with respect to laws applicable to the sale of consumer goods in his or her country are not affected by this warranty.

Additional warranty provisions

During the warranty period, Guillemot shall not provide, in principle, any spare parts, as Technical Support is the

only party authorized to open and/or recondition any Thrustmaster product (with the exception of any reconditioning procedures which Technical Support may request that the consumer carry out, by way of written instructions – for example, due to the simplicity and the lack of confidentiality of the reconditioning process – and by providing the consumer with the required spare part(s), where applicable).

Given its innovation cycles and in order to protect its know-how and trade secrets, Guillemot shall not provide, in principle, any reconditioning notification or spare parts for any Thrustmaster product whose warranty period has expired. The warranty applies to your product's display if the display features at least 5 defective pixels (i.e. bright spots or dark spots, a bright spot being a white pixel permanently displayed on the screen, and a dark spot being a pixel that does not display on the screen.) In the United States of America and in Canada, this warranty is limited to the product's internal mechanism and external housing. In no event shall Guillemot or its affiliates be held liable to any third party for any consequential or incidental damages resulting from the breach of any express or implied warranties. Some States/Provinces do not allow limitation on how long an implied warranty lasts or exclusion or limitation of liability for consequential or incidental damages, so the above limitations or exclusions may not apply to you. This warranty gives you specific legal rights, and you may also have other rights which vary from State to State or Province to Province.

Liability

If permitted under applicable law, Guillemot Corporation S.A. (hereinafter “Guillemot”) and its subsidiaries disclaim all liability for any damages caused by one or more of the following:

1. the product has been modified, opened or altered;
2. failure to comply with assembly instructions;
3. inappropriate or abusive use, negligence, an accident (an impact, for example);
4. normal wear;
5. the use of the product for any use other than home use, including for professional or commercial purposes (game rooms, training, competitions, for example).

If permitted under applicable law, Guillemot and its subsidiaries disclaim all liability for any damages unrelated to a material or manufacturing defect with respect to the product (including, but not limited to, any damages caused directly or indirectly by any software, or by combining the Thrustmaster product with any unsuitable element, including in particular power supplies, rechargeable batteries, chargers, or any other elements not supplied by Guillemot for this product).

TECHNICAL SUPPORT

<https://support.thrustmaster.com>

UNITED STATES AND CANADA:

FCC STATEMENT

1. This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:
 1. This device may not cause harmful interference, and
 2. This device must accept any interference received, including interference that may cause undesired operation.
2. Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant

to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

IC RADIATION EXPOSURE STATEMENT

This equipment complies with Canada radiation exposure limits set forth for uncontrolled environments. This transmitter must not be colocated or operating in conjunction with any other antenna or transmitter. This equipment should be installed and operated with a minimum distance of 5 millimeters between the radiator and your body.

STATEMENT OF COMPLIANCE WITH EU REGULATIONS

Guillemot Corporation S.A. hereby declares that the device Formula Wheel Add-On Ferrari SF1000 Edition complies with the main requirements and other relevant clauses of Directive 2014/53/EU (RED). The compliance statement can be viewed at the following site: http://www.thrustmaster.com/certificates/Formula_Wheel_Add-On_Ferrari_SF1000_Edition.pdf

- FCCID: 2AHMR-ESP-12F
- IC: 23236-ESP-12F
- Frequency Band: 2412-2462MHz

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ENVIRONMENTAL PROTECTION RECOMMENDATION




■ In the European Union and Turkey: At the end of its working life, this product should not be disposed of with standard household waste, but rather dropped off at a collection point for the disposal of Waste Electrical and Electronic Equipment (WEEE) for recycling. This is confirmed by the symbol found on the product, user manual or packaging. Depending on their characteristics, the materials may be recycled. Through recycling and other forms of processing Waste Electrical and Electronic Equipment, you can make a significant contribution towards helping to protect the environment. Please contact your local authorities for information on the collection point nearest you. For all other countries: Please adhere to local recycling laws for electrical and electronic equipment. Retain this information. Colours and decorations may vary.

Plastic fasteners and adhesives should be removed from the product before it is used.

www.thrustmaster.com

*Applicable to EU, UK and Turkey only

Documents / Resources

	<p>THRUSTMASTER SF1000 Formula Wheel Edition [pdf] Instruction Manual TX, TS-XW, T300, T-GT, TS-PC, SF1000 Formula Wheel Edition, SF1000, Formula Wheel Edition, Wheel Edition, Edition</p>
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References

- [!\[\]\(7a8011739ec4e250e2f89a547d75fb0a_img.jpg\) Thrustmaster - Technical support website](#)
- [!\[\]\(07dce76283bf618e2364d95ae0021e26_img.jpg\) Thrustmaster | Wheels, Joysticks and Gamepads for video games](#)
- [!\[\]\(44ee86b940d3a0ca166486da8985875e_img.jpg\) Thrustmaster | Wheels, Joysticks and Gamepads for video games](#)
- [!\[\]\(2262b99b3a4953f9b3dfd64b89c00d2e_img.jpg\) Thrustmaster - Technical support website](#)
- [!\[\]\(72fd141c2b650e3974b4ac376f402874_img.jpg\) Thrustmaster - Technical support website](#)
- [!\[\]\(2477f3a1e0e03bb543b1e7662e8cfcee_img.jpg\) Thrustmaster - Сайт техподдержки](#)
- [User Manual](#)

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