

Mustang GT3 Sim Wheel

GBR

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Safety Information sheet

Product: Mustang GT3 Sim Steering Wheel

Model: VPG-1091-09801

Unit Rating: 5V 500mA max

Declarations

This device complies with par 15 of the FCC Rules / Industry Canada License-exempt RSS standard(s). Operation is subject to the following two conditions:

1. This device may not cause harmful interference, and
2. must accept any interference received, including interference that may cause undesired operation.

Note: This device was tested and approved to the limitations for class B of digital devices according to part 15 of the FCC rules. This limitation should ensure an adequate protection against harmful interferences in residential areas. However, a warranty for the non-recurring of interferences is not assumed.

Do not modify the device differently than explicitly described in the product-related user manual. Nevertheless, if you do modify the device differently than explicitly described in the product-related manual, you can be determined to stop the operation of the device.



Cet appareil est conforme au paragraphe 15 des règles de la FCC / norme RSS exempte de licence d'Industrie Canada. L'exploitation est soumise aux deux conditions suivantes:

1. Cet appareil ne doit pas causer de brouillage nuisible, et
2. doit accepter toute interférence reçue, y compris toute interférence pouvant causer un fonctionnement indésirable.
- 3.

Remarque: Cet appareil a été testé et approuvé aux limitations de classe B des appareils numériques conformément à la partie 15 des règles de la FCC. Cette limitation devrait assurer une protection adéquate contre les interférences préjudiciables dans les zones résidentielles. Cependant, une garantie pour la non-réurrence des interférences n'est pas supposée.

Ne modifiez pas l'appareil différemment de ce qui est explicitement décrit dans le manuel d'utilisation du produit. Néanmoins, si vous modifiez l'appareil différemment de ce qui est explicitement décrit dans le manuel relatif au produit, vous pouvez être déterminé à arrêter le fonctionnement de l'appareil.

Safety Use

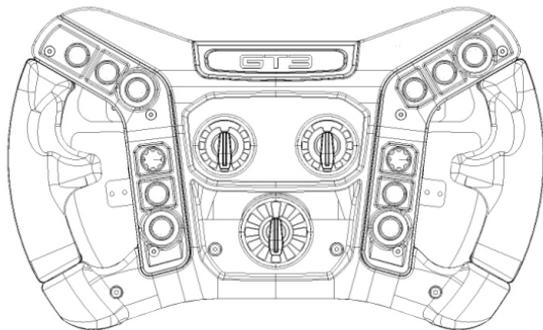
Please read the user guide carefully before using the wheel

- Only use the product as described and for the specified purpose. Be sure to include all documents when passing this product on to others. Keep all documents for future reference.
- **WARNING!** Packaging materials are not a toy. Keep all packaging materials out of the reach of children. Suffocation hazard!
- There are no serviceable or replaceable parts inside the wheel. Opening the wheel will result in the warranty being void and may cause damage to sensitive parts. In the event of a problem, please contact VPG Sim Ltd.
- Do not set burning candles or other open flames on or near the product! Check the product and accessories for damage before every use. Never use the product if damaged.
- The wheel is not waterproof so keep it away from sources of liquids and moisture such as drinks etc. The wheel is not designed to be used outdoors.
- Do not touch the USB connector with moist or wet hands.
- The wheel is designed for gaming and leisure purposes only and not for use on road or track going vehicles.

- Use this product for at-home use and private purposes. Any other use is considered improper.
- The wheel may not be used as a vehicle part.
- **WARNING!** Children often underestimate dangers. Always keep children away from the product.
- The wheel is designed for significant stress loads experienced during normal racing simulation use. Dropping the wheel may result in damage.
- Disconnect the product from power during storms or if it will not be used for extended periods.
- Do not set furniture, etc. on the cable. Be sure not to crush the cable. Never tie knots in the charging cable or tie it together with other cables. A damaged cable or USB connector can cause a fire or electric shock. Routinely check the cable and the USB connectors. Do not use damaged cables or USB connectors. If you notice unusual noise, smoke or similar, immediately unplug the cable from the USB port and disconnect all connected devices. Do not use the product again until it has been checked by a qualified person.

Quick Start Guide

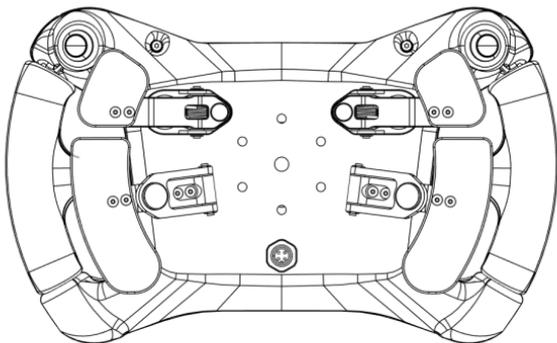
The VPG Sim USB Steering Wheel is a USB plug and play device.



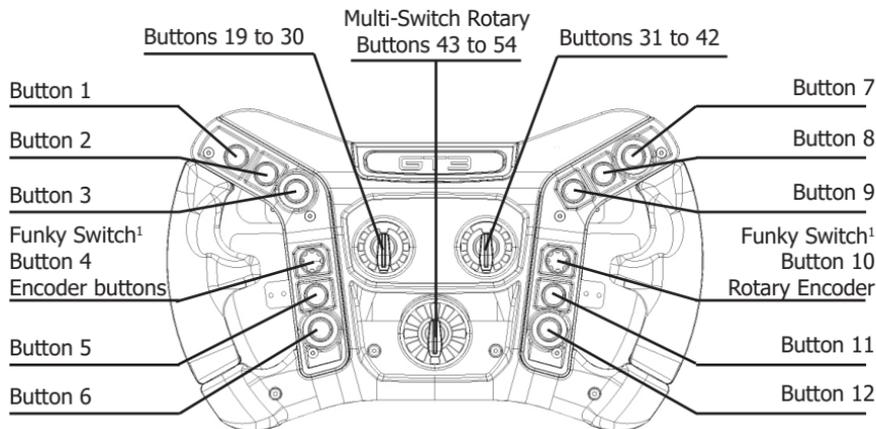
When attached to a PC via the supplied USB cable, the wheel will be automatically detected by the PC. The wheel will appear on the PC and in the simulation games.

All the LEDs telemetry effects are configured using Simhub Software.

All the buttons and rotaries are configured in the games, there is nothing to configure



Wheel Front Button Assignment

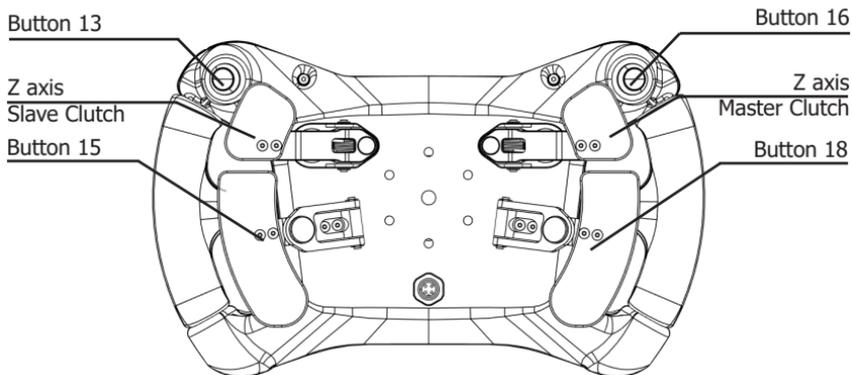


The 12 front, 2 upper rear buttons and the two shifter paddles are all of the non-latching type.

The 3 rotary frontwheels are continually (no end stops) rotating wheels that send a pulse of the corresponding position to the game depending on which direction they are tur-

The activated POV number and the rotary encoder buttons on the Funky switches change dynamically in-game based on the position of the Multi-Switch rotary. Ensure the rotary is in the desired position for your intended setup.

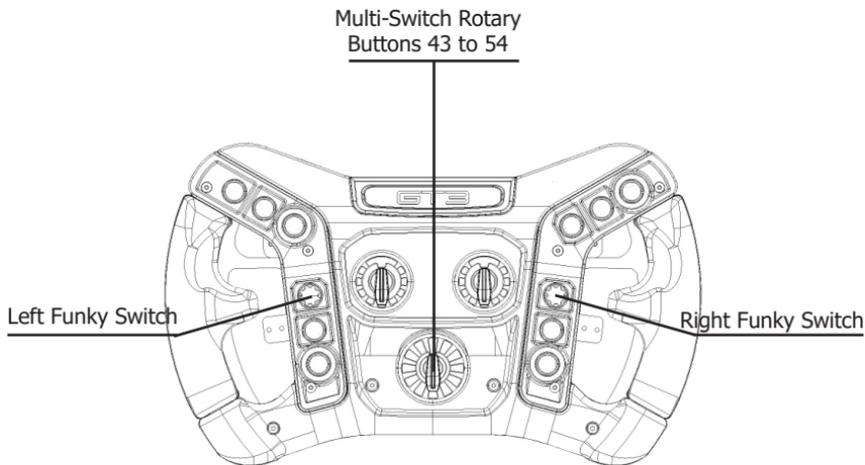
Wheel Rear Button Assignment



The shifters are not intended to be adjusted and are ready for use.

Note that the rear buttons do not have a backlight feature!

Funky Switch Functions



The wheel features two physical funky switches, and each one dynamically activates two different POVs and two different encoders based on the position of the middle Multi-Switch front rotary. Together, they enable a total of four digital POVs and four encoders.

When the Multi-Switch Front Rotary is in **Position 0** (Button 43 is activated):

Right Funky Switch

Activates POV3 for directional input.
Activates Encoder 3 for rotary functionality using Button 58 (clockwise) and Button 57 (counterclockwise)

Left Funky Switch

Activates POV4 for directional input.
Activates Encoder 4 for rotary functionality using Button 55 (clockwise) and Button 56 (counterclockwise)

When the Multi-Switch Front Rotary is in Any Other Position (AC, EPAS, ALT, DIM, THR, F3, F2, F1, WIP, PAGE, MAP):

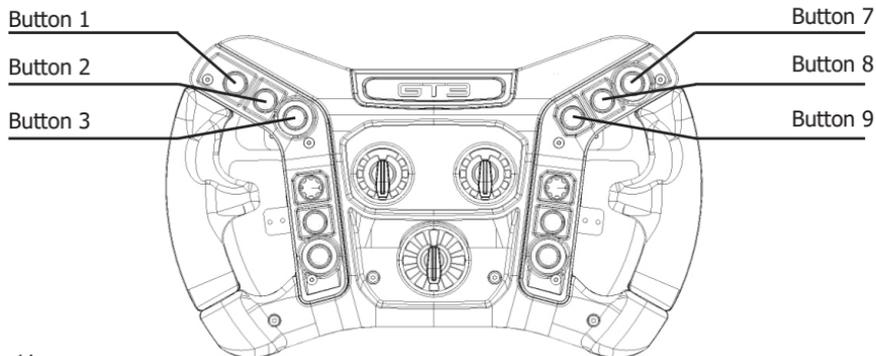
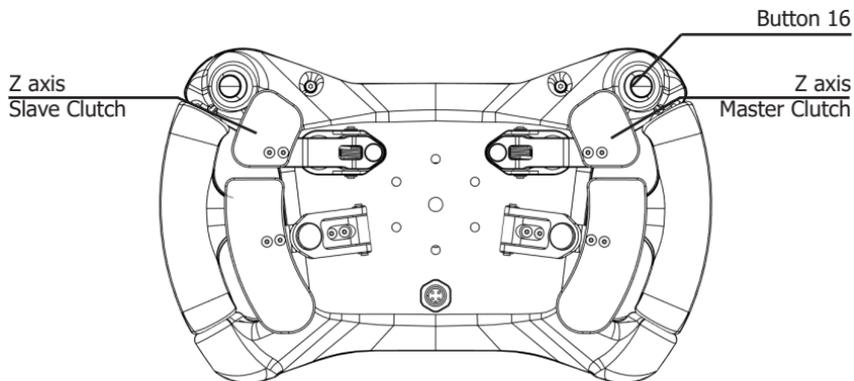
Right Funky Switch

Activates POV1 for directional input.
Activates Encoder 1 for rotary functionality using Button 62 (clockwise) and Button 61 (counterclockwise)

Left Funky Switch

Activates POV2 for directional input.
Activates Encoder 2 for rotary functionality using Button 59 (clockwise) and Button 60 (counterclockwise)

Clutch Biting point



The clutches biting point can be set directly on the wheel without the need to use any third-party software.

Steps to set the Clutch Biting Point:

1. Enter Configuration Menu

Hold Button 16 (left hand rear top directly behind button 1) for 5s to enter the configuration menu.

Button 1 and Button 7 will light up in blue. Button 2 and Button 8 will light up in yellow.

Note: To Confirm you've entered the configuration menu, ensure Button 1 and Button 7 are lit in blue.

2. Adjust the Biting Point

To increase the biting point, press Button 9. Each press increases the setting by 1%. For a 5% change, press Button 9 five times.

To decrease the biting point, press Button 3. Each press decreases the setting by 1%. For a 5% change, press Button 3 five times. Increase the biting point in steps of 1% by pushing Button 9.

3. Save the Configuration

Once you have reached the desired biting point, push Button 2 and Button 8 simultaneously to save the configuration into the wheel.

Note: When successfully saved, Button 2 and Button 8 will light up in green.

4. Exit Configuration Menu

Hold Button 16 for 5 seconds to exit calibration mode.

If the configuration is not saved the biting point setting will be lost after the wheel is plugged off.

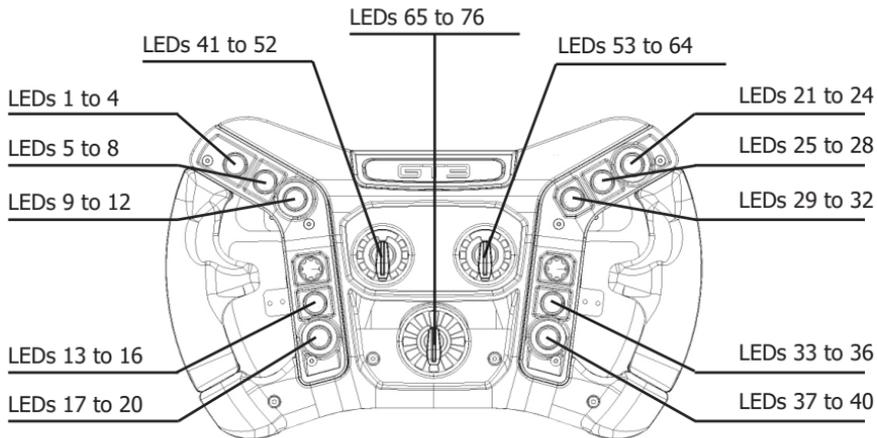
Note: To Confirm you've exited the configuration menu, ensure that Button 1, Button 2, Button 7 and Button 8 are turned off.

Important Notes:

Ensure SimHub is closed before entering the configuration menu.

If the configuration is not saved, the biting point setting will be lost after the wheel is unplugged.

LEDs Assignment



Adjustable Backlighting

The wheel has a backlight feature whereby the front buttons and the front rotaries can be lit by LEDs in the wheel.

The backlight feature is controlled through Simhub using telemetry data sent from the game. The LEDs colours and brightness can be adjusted in Simhub and there is also the possibility to turn the backlighting off.

QR and USB cable

The wheel features M5 holes arranged on a 50.8mm PCD, ensuring compatibility with most standard mountings and quick releases.

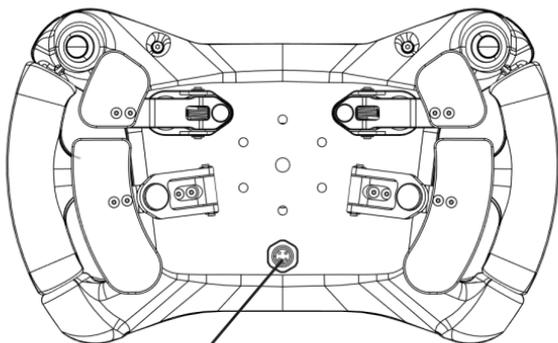
It is recommended to avoid using bolts that extend more than 10mm into the wheel.

For users requiring a 70mm PCD quick release, the VPG Hub (sold separately) can be used to enable seamless installation and compatibility.

The M12 connector is fitted on the back carcass where the user can connect the supplied USB cable.

Please note that the connector has a key-way so it can only be inserted in one position! Do not use force.

Connect the cable connector to the wheel before plugging the cable into the USB slot on the PC. For optimal performance and reliability, the use of a powered USB hub is strongly recommended.

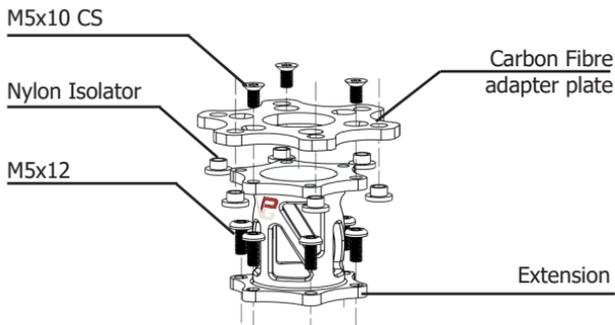


M12 Connector

USB cable



VPG Hub Installation



The wheel features a standard 50.8mm PCD hole pattern on the back, compatible with most mounting solutions.

To install a 70mm PCD Quick Release (QR), the VPG Hub (sold separately) must be used

Steps to Assemble and Install the Hub:

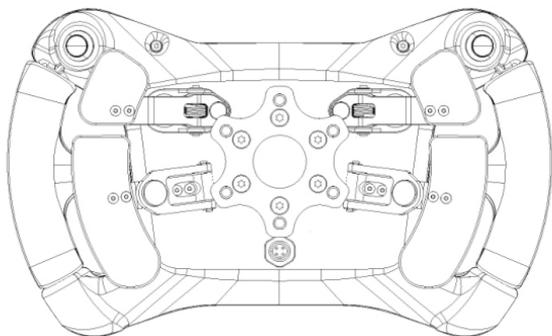
1. Attach the Carbon Fibre Adapter Plate

Bolt the Carbon Fibre Adapter Plate (converting 50.8mm PCD to 70mm PCD) to the back of the wheel using the provided three (3) M5x10 countersunk screws.

2. Insert Nylon Isolators:

Insert the provided six (6) nylon isolators into the Carbon Fibre Adapter Plate.

Note: Ensure the flange of each isolator faces toward the back of the wheel and not



3. Attach the QR to the Adapter Assembly:

Bolt the QR (not provided) to the extension and Carbon Fibre Adapter assembly using appropriately sized M5 bolts (not provided).

Note: Ensure the M5 bolts used are of the correct length to securely attach the QR without interfering with other components.

4. Secure the Full Assembly to the Wheel:

Bolt the extension, Carbon Fibre Adapter, and QR assembly to the back of the wheel using the provided six (6) M5x12 Button Head bolts.

Specifications

Button Operation

- 5 push buttons on the front left hand side – press to activate
- 5 push buttons on the front right hand side – press to activate
- 1 funky switch on the left hand side - rotary, 4-directions and press to activate
- 1 funky switch on the right hand side - rotary, 4-directions and press to activate
- 1 push button on the left hand rear top (rear facing) directly behind button 1
- 1 push button on the right hand rear top (rear facing) directly behind button 7
- 3 front rotary switch 12 position which are 12 different positions
- 2 shifters on rear side left and right – pull to activate
- 2 clutches on rear top side left and right - pull to activate

Backlight Operation

- 76 RGB LEDs telemetry controlled through Simhub software - 4 LEDs for each button, 12 LEDs for each front rotary switch

Game Specifications

- Tested with iRacing
- Tested with Rfactor2
- Tested with AC
- Tested with ACC
- Will work with all games supporting USB HID devices

PC Specifications

SimHub 9.5.4 or latest
Windows 10 - 32 or 64 bit
Windows 11 - 32 or 64 bit
USB 2 Interface (maximum current supply 500mA)

Disposal

- The symbol of a crossed out garbage bin on wheels indicates this product is subject to Directive 2012/19/EU. This directive states at the end of its life, this product must not be disposed of through regular household waste, but must be returned to special collection sites, recycling depots or waste management companies.
- Contact your local waste disposal authority for more details on how to dispose of your worn-out product.

Cleaning

- Disconnect the USB cable before cleaning!
- Clean the product using a soft, dry cloth only. Avoid cleaning solutions, solvents or other chemicals, and do not attempt to clean ports, as this may damage the product.

Troubleshooting

- Connect wheel via a powered USB hub or directly to computer.
- Try alternate USB ports if one port is not performing to spec.
- Check the cable for any damage e.g. (bends, kinks, cracks, breakages)
- Check for any obstruction on the USB connection port and the connector.
- Contact the supplier if you require more support.

Contact us

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