Porsche 911 Cup Sim Wheel

GBR

Content

Safety Information sheet

Product:	Porsche 911 Cup Sim Wheel
Model:	VPG-1014-16801
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-récurrence 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

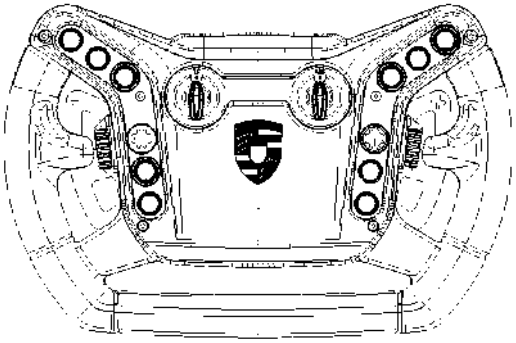
Please read the user guide carefully before using the wheel

- 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

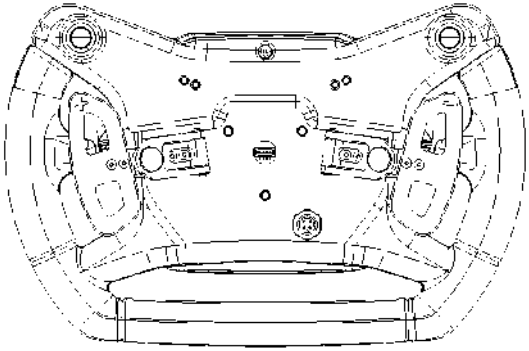
The VPG Sim USB Steering Wheel is a USB plug and play device.



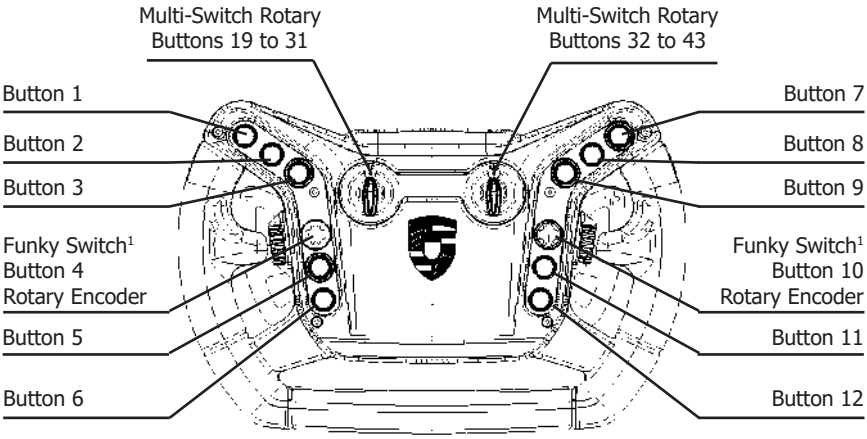
When attached to a PC via the supplied USB cable, the wheel will be automatically detected by the PC. The wheel will appear on the PC and in the simulation games.

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

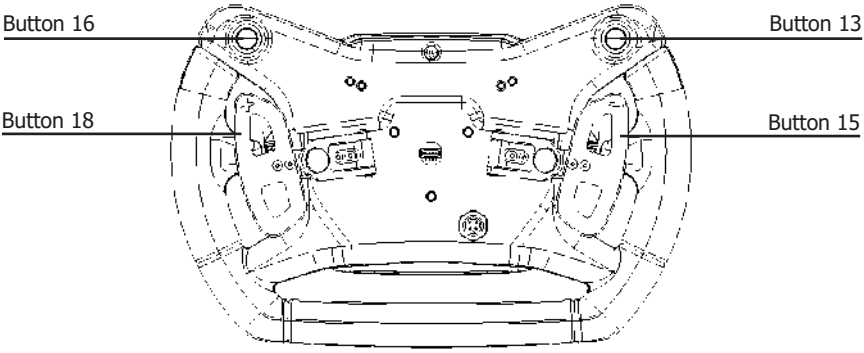


The 12 front, 2 upper rear buttons and the two shifter paddles are all of the non-latching type.

The 2 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 turned.

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 rotaries. Ensure the rotaries are in the desired position for your intended setup.

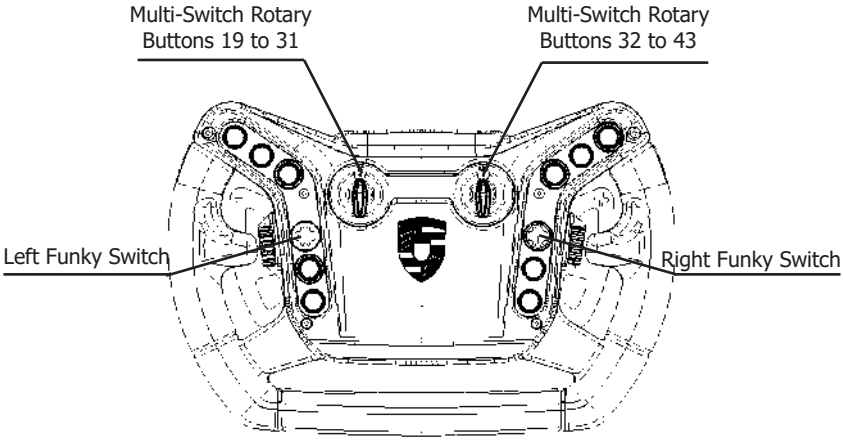
Wheel Rear Button Assignment



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

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

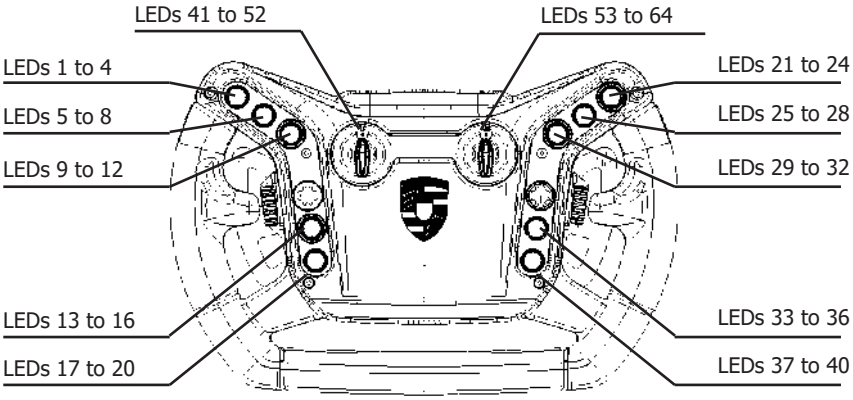
Funky Switch Functions



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 right or left Multi-Switch front rotaries. Together, they enable a total of four digital POVs and four encoders.

NOTE: Please refer to the description of the VPG Console provided in this manual to understand how to activate the multi-functionality of the POVs.

LEDs Assignement



Adjustable Backlighting

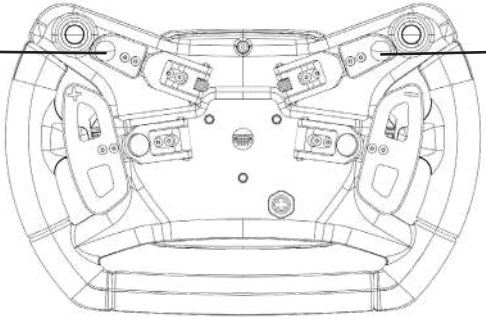
The wheel has a backlight feature whereby the front buttons and the front rotaries can be lit by LEDs in the wheel.

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.

Duo-Mode Paddle Installation

(Optional)

Right Clutch



Left Clutch

The Dual Clutch system is wireless, so installation is provided without the need for any cable connections.

Inside the box, the clutches will already be assembled with two pre-inserted Torx M3x8 screws and ready to be installed using the supplied Torx key

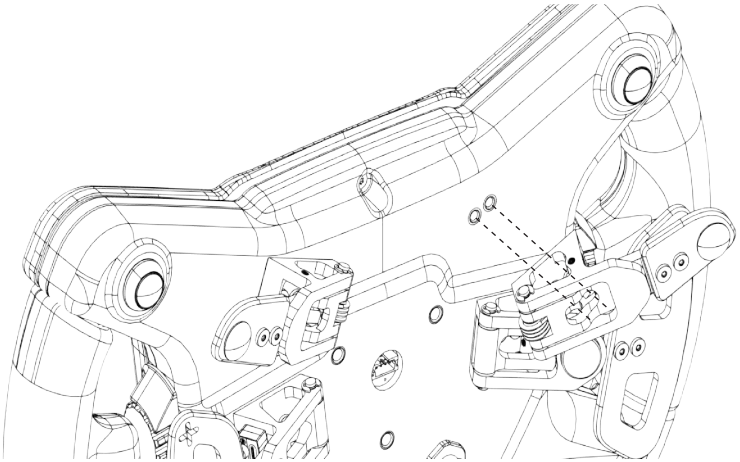
Steps to Assemble and Install the Clutch:

1. Unpacking
Open the box and carefully remove the (2) clutches from inside the foam.

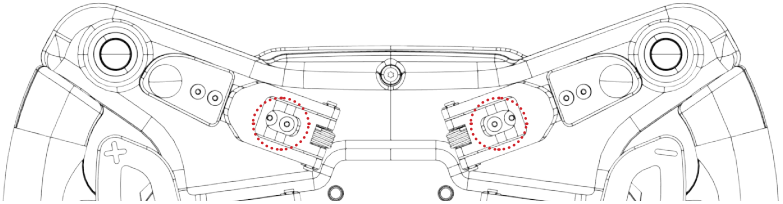
2. Position (pic A):
Position one clutch at a time over the holes and screw in the (2) Torx M3x8 screws using the Torx key provided in the box.

3. Installation (pic B):
Tighten each screw a little at a time, alternating between them, rather than fully tightening one before the other has been partially screwed in.

Note: Make sure that the two Torx screws are pre-installed in the clutch body and nuts removed from them



Picture A



Picture B

QR and USB cable

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

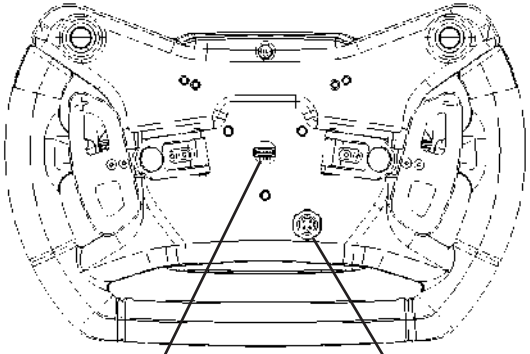
It is recommended to avoid using bolts that extend more than 10mm into the wheel.

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.



Recommended mounting for new QR systems that integrate USB-A or USB-C.

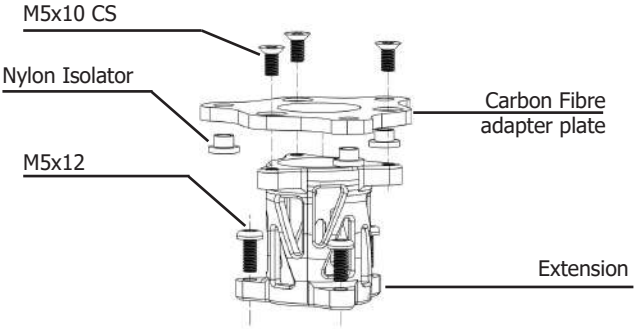
USB cable

Standard mounting recommended for all bases available on the market.

NOTE:

- The connection can be made either via JST or via M12. Simultaneous use of both connections is not supported.
- If opting for the JST connection, we recommend installing it in combination with our HUB to prevent damage to the JST cable that may occur from direct mounting of the QR (50.8 PCD only)
- When using the M12 cable, we recommend positioning a powered USB HUB close to the DD base to prevent the cable from being damaged during steering wheel operation.

VPG Hub Installation



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

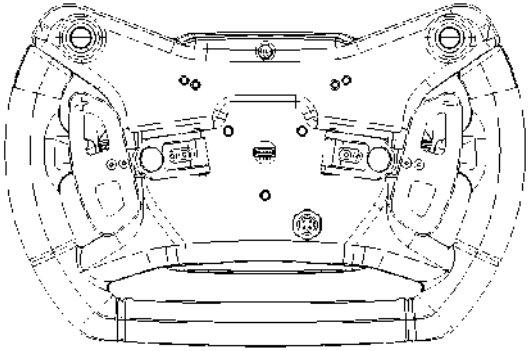
To install a 70mm PCD Quick Release (QR), the VPG Hub (sold separately) must be used

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 (3) nylon isolators into the Carbon Fibre Adapter Plate.

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



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.

Note: In the case of assembly with the Asetek QR, do not use the CF adapter plate but screw the QR directly onto the extension using the (3) Captive Screws provided.

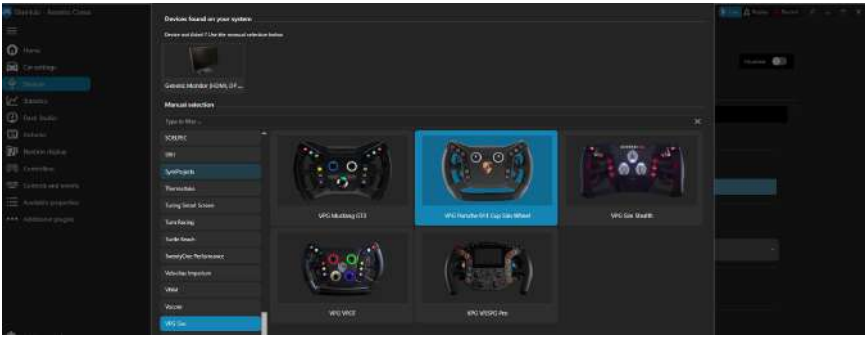
Simhub configuration

We are pleased to inform you that, as with other VPG products, the new Porsche Cup 992.2 Sim Wheel is fully supported within SimHub, making the wheel completely plug-and-play with no setup required by the customer.

Simply connect the wheel to your PC and launch the SimHub software.

Always ensure that the latest version of the software is installed on your PC and that you have purchased an official SimHub licence to avoid malfunctions or software limitations.

VPG Sim cannot be held responsible for issues related to software malfunction.



To avoid configuration issues, please follow the steps below for correct installation:

- Connect the wheel to your PC.
- Open SimHub.
- On the left toolbar, select "Device"
- Click on "Add New Device"
- From the list, select "VPG Sim"
- Choose the desired model.

Once you click OK, the selected wheel will appear in the Device column. At this point, the wheel should be connected and ready for use.

NOTE:
Thanks to the recent partnership with DNR, we are pleased to announce that every customer will have exclusive access to DNR content free of charge.

For more information, please refer to the DNR website or the flyer included with your purchased VPG Sim product.

Simhub VPG Console

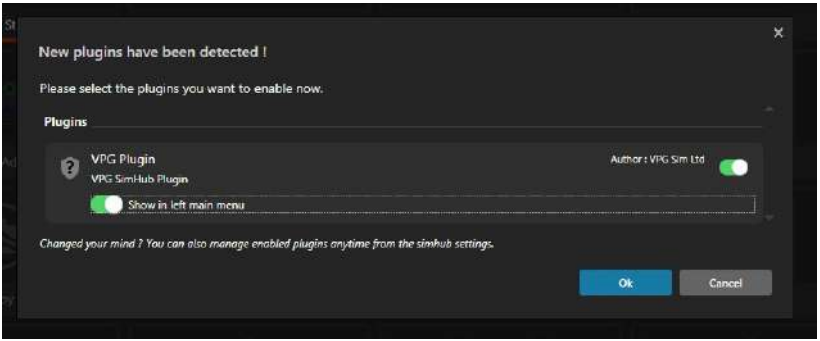
Thanks to the recent partnership with Daniel Newman Racing (DNR), all products will now be supplied and supported by DNR.

As part of this collaboration, a dedicated Console has been developed for SimHub, allowing users to configure the steering wheel directly within the SimHub interface.

The newly developed Console, created in collaboration with DNR, allows users to:

- Device information
- Clutch Calibration
- Buttons/Input Configuration
- Firmware update

Console Installation



You can download the VPG Sim Console from the links provided here: LINK

Once the executable file has been downloaded, double-click on it and follow the on-screen instructions until the installation is complete.

If the installation was successful, the first time you restart SimHub, a pop-up message (as shown in the image above) should appear asking you to activate the Console.

Make sure both checkboxes are selected, then confirm to enable the Console.

After confirming the activation, the VPG Console should appear in the left toolbar of the SimHub interface.

You can access it by simply clicking on its name in the list.

If the Console is not visible in the left-hand toolbar, go to "Add/Remove Features".

In the window that opens, scroll down until you locate VPG Console. At this point, ensure that both checkboxes are enabled.

Device Information

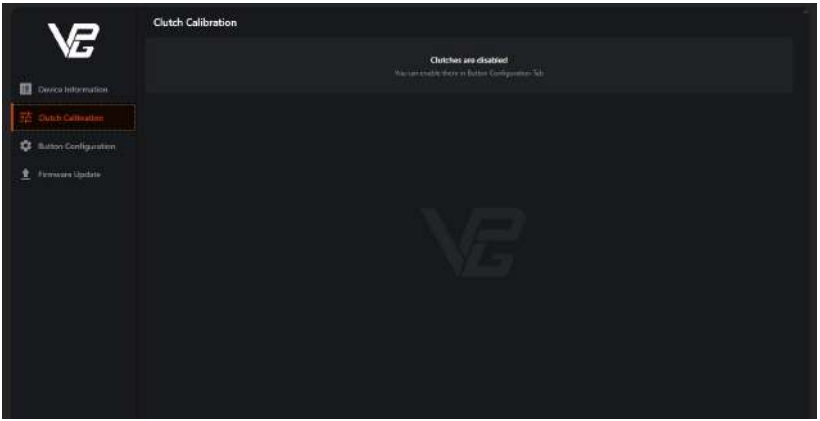
The Device Information section within the VPG Console provides key details about your device, including:

- Connection Status
- Steering Wheel Model
- Serial number
- Other useful technical information related to your steering wheel

These details are valuable both for the user and for VPG Sim in case of any technical issues with the product.

If you experience any malfunctions or problems while using the device, you may be asked to share this information to assist with troubleshooting and support.

Clutch Calibration



When you first enter the Clutch Calibration menu (if you have purchased the clutch kit separately), the clutches may not be detected.

To enable them, go to the Button Configuration tab. Navigate to:

Rear View / Global Clutch Settings

Set the option to **ON**

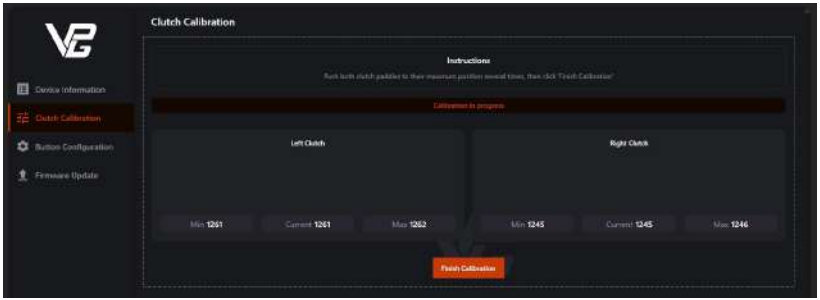
Once enabled, the clutches will be active and recognized by the system. You can now return to the Clutch Calibration menu to proceed with the calibration process.

NOTE:

- Each time you press a clutch paddle, it will gradually become more visible within the reference box on screen, increasing in intensity as the pressure on the paddle increases.

A)

B)



Once you return to the Clutch Calibration tab, a window like the one shown in Figure **(A)** will appear.

Follow the instructions displayed in the window and click Start Calibration to begin the process.

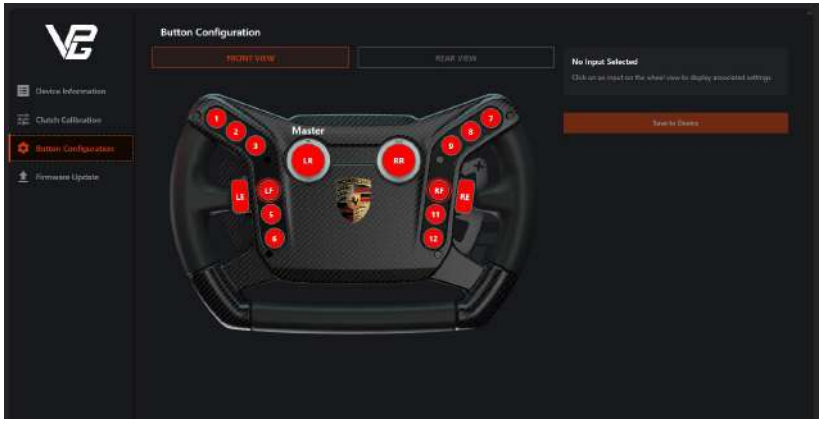
After clicking "Start Calibration", the window will update as shown in Figure **(B).**

Follow the on-screen instructions. Press the clutch paddles repeatedly to their full range, without applying excessive force.

Once done, release the clutches and click "Finish Calibration".

The calibration will be completed and saved directly to the steering wheel firmware.

Button Configuration - Front View



The "Button Configuration" tab allows you to configure every input on the VPG Sim wheel. This means that each input on the wheel can be set according to the customer's needs. Specifically, the setting options are available for:

1. button
2. rotary
3. funky switch

NOTE:
Always click on "Save Device" once all settings have been configured to your preference.

"MASTER" and "**MAGIC**" explanation

MASTER: The Master option allows you to set one of the (2) front rotary switch as a selector for the additional button mapping. This means that every time the 1-click selector is moved, the buttons configured as MAGIC will be set up with the additional input.

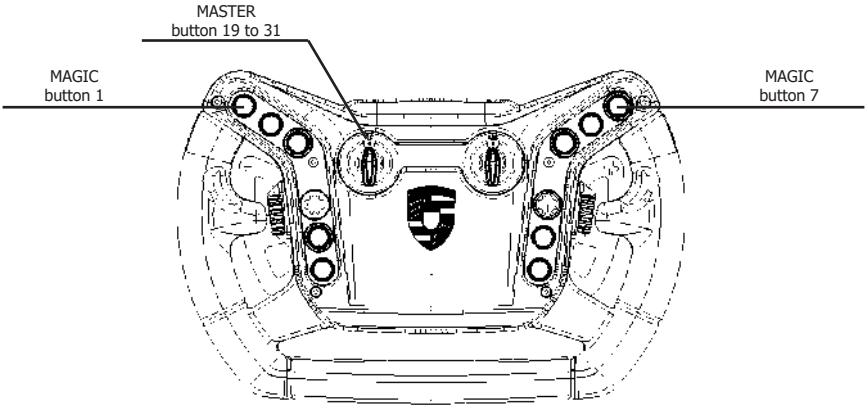
MAGIC: When the MAGIC option is selected for a specific input, that input is listed under the MASTER rotary selector. This means that the same button will have an additional input function each time the Master rotary change 1-click position.

1
When you are in the "FRONT VIEW" window, the wheel will be displayed from the front. When a specific **BUTTON** is pressed, the window will highlight the corresponding button and, on the right-hand side, provide the option to set it as STD (single input) or as MAGIC.

2
When you are in the "FRONT VIEW" window, the wheel will be displayed from the front. When a specific **ROTARY** is activated, the window will highlight the corresponding rotary and, on the right-hand side, provide the option to set it as Encoder or switch or "MASTER".

3
When you are in the "FRONT VIEW" window, the wheel will be displayed from the front. When a specific **FUNKY SWITCH** is actrivated, the window will highlight the corresponding funky switch and, on the right-hand side, provide the option to set it as STD (single input) or as MAGIC for left and right one

Multi mapping example



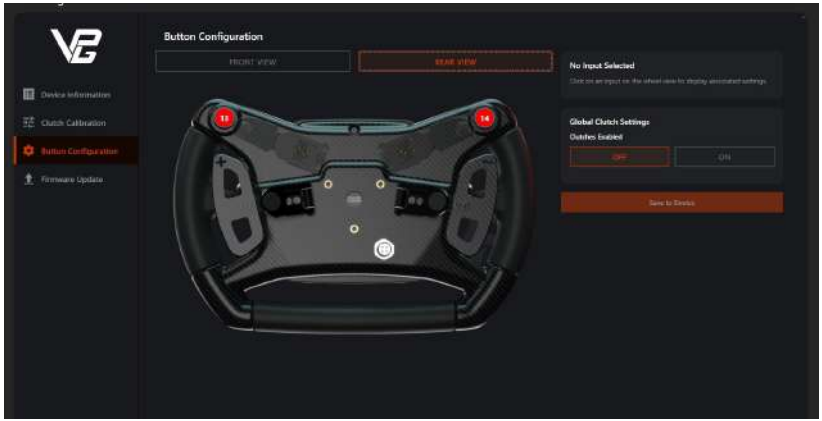
Below is an example illustrating how the Master/Magic system works.

Assuming the left front rotary switch has been set as **MASTER**, and the top-left button (button 1) and top right (button 7) have been configured as **MAGIC**, you will find the mapping scheme in the table on the right.

NOTE:
You can assign the **MAGIC** function to a maximum of (1) button per side on the front (total of 2 front buttons) + the 2 rear buttons.

MASTER input:	LH MAGIC:	RH MAGIC:
19	1	7
20	44	45
21	46	47
22	48	49
23	50	51
24	52	53
25	54	55
26	56	57
27	58	59
28	60	61
29	62	63
30	64	65
31	66	67

Button Configuration - Rear View



Just like the front view, the "REAR VIEW" displays the back side of the steering wheel. The wheel is equipped with two rear buttons, positioned at the top-right and top-left corners.

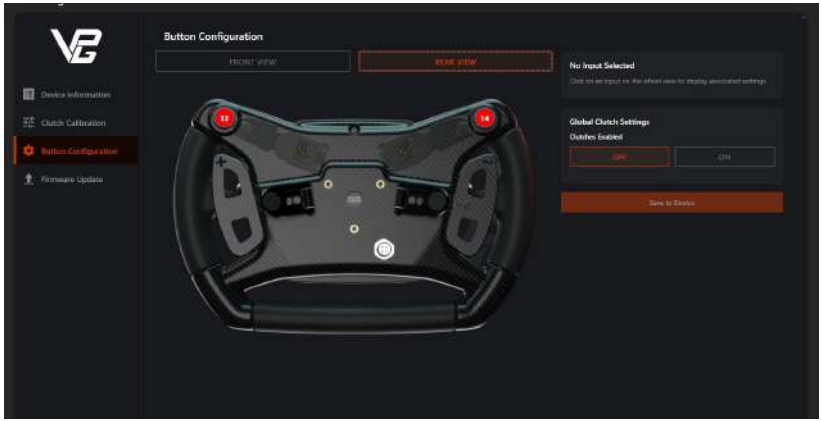
These two inputs can be assigned either the STD or MAGIC function, if selected going on the top right-side of the window.

NOTE:
This option is not available for the right and left shifters, which can only be used as standard inputs (STD) when pressed.

On this page, you can also enable the Duo-Mode paddle (sold separately).

Please refer to the section "DUO-MODE Paddle Setting" for a detailed explanation of how the upper paddles function and how to use the new feature called DUO-MODE.

DUO-MODE Paddle feature



DUO-MODE is an innovative wireless clutch system that enables multiple paddle configurations via the VPG Console.

Among these configurations is the DUO-MODE, which allows the steering wheel firmware to automatically detect the vehicle's gear status.
When the car is in neutral, the clutch paddles operate in standard clutch mode. When the car is in gear, the system automatically switches the paddles to act as a single input, similar to a third paddle used for gear engagement. This automatic switching enhances realism and responsiveness during simulation, offering a dynamic and adaptive driving experience.

NOTE:

Always click on "Save Device" once all settings have been configured to your preference.

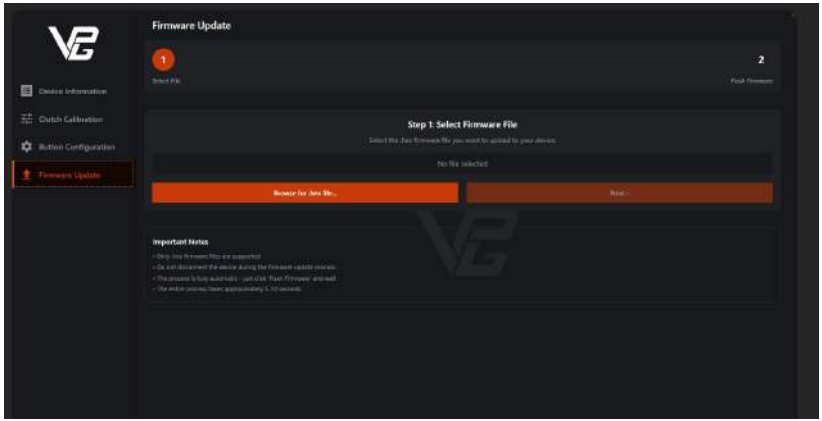
The "**MASTER clutch"** defines which of the two paddles is set as the primary one for clutch activation.

When entering the clutch settings menu, the window (image on the right) will display at the top right any inputs are currently active. Just below, it will show whether the clutch system is enabled or not. If yes, it allow you to select which clutch is set as the Master, and configure the Biting Point setting—that is, the percentage (from 0 to 100%) at which the second clutch is activated.

When a clutch paddle is pressed, the system prompts you to choose between three modes: Analog, where the paddle always acts as a clutch; Button, where it behaves like a button and lets you set the activation threshold (action value); or Smart (DUO-MODE), which automatically switches between clutch and button depending on gear status.

Both clutches can be configured in Smart mode (DUO-MODE). In this mode, the system automatically switches the paddle behavior: when the car is in neutral (gear N), the paddles act as clutches; when first gear is engaged, they switch to button input. Even in Smart mode, you can still define which paddle is the Master and adjust the Biting Point setting.

Firmware Update



The VPG Console developed in partnership with DNR allows for quick and easy firmware flashing when necessary. To avoid potential issues during the upload process, please read the steps in this manual carefully.

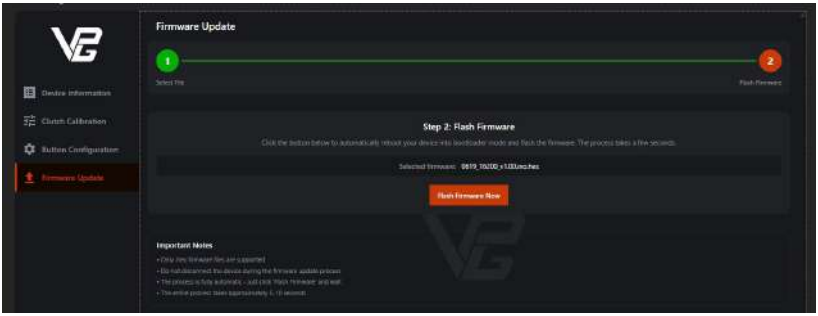
NOTE:
VPG Sim cannot be held responsible for any damage caused by incorrect procedures.

Before proceeding, make sure you have downloaded the correct version of the firmware that needs to be flashed.

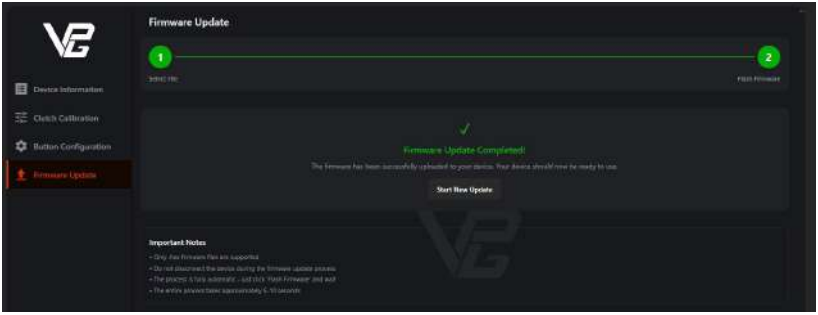
Then go to the "Firmware Update" tab and follow the instructions displayed in the window.

NOTE:
Please read carefully the disclaimers listed under "Important Notes" within the "Firmware Update" window before proceeding.

A)



B)



Once the selected firmware appears in the file selection bar, click "Next". Immediately after, a window will appear confirming that the file has been successfully loaded and that you can proceed with the upload. Click "Flash Firmware Now" and allow the software to complete the update **(A)**.

If the procedure has been carried out correctly, after approximately 10 seconds a window like the one shown in figure **(B)** should appear, confirming that the update is complete and no further action is required. You can now exit the "Firmware Update" tab and click "Finish Calibration".

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
- 2 front rotary switch 12 position which are 1-input left and 1-input right (setted as 12 different positions thorugh VPG Console)
- 2 shifters on rear side left and right – pull to activate
- 2 clutches on rear top side left and right - pull to activate (optional. Sold separately)

Backlight Operation

- 88 RGB LEDs telemetry controlled through Simhub software - 4 LEDs for each button, 24 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 9.10.1 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.
- Make sure not to strain the coiled USB cable to avoid the risk of damaging it during the use.
- Contact the supplier if you require more support.

Contact us

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