FANATEC®

GT DD PRO

Manual

EN

Thank you for choosing

FANATEC®

INDEX

⚠️ WARNING! Photosensitive Seizures

A small percentage of people may experience a seizure when exposed to certain visual images, including flashing lights or patterns that may appear in video games. Even people who have no history of seizures or epilepsy may have an undiagnosed condition that can cause these "photosensitive epileptic seizures" while watching video games. These seizures may have a variety of symptoms, including light-headedness, altered vision, eye or face twitching, jerking or shaking of arms or legs, disorientation, confusion, or momentary loss of awareness. Seizures may also cause loss of consciousness or convulsions that can lead to injury from falling down or striking nearby objects. Immediately stop playing and consult a doctor if you experience any of these symptoms. Parents should watch for or ask their children about the above symptoms – children and teenagers are more likely than adults to experience these seizures. The risk of photosensitive epileptic seizures may be reduced by taking the following precautions:

• Sit farther from the TV screen.

• Use a smaller TV screen.

• Play in a well-lit room.

• Do not play when you are drowsy or fatigued.

If you or any of your relatives have a history of seizures or epilepsy, consult a doctor before playing.

⚠️ WARNING! Musculoskeletal disorders

Use of game controllers, keyboards, mice, or other electronic input devices may be linked to serious injuries or disorders. When playing video games, as with many activities, you may experience occasional discomfort in your hands, arms, shoulders, neck, or other parts of your body. However, if you experience symptoms such as persistent or recurring discomfort, pain, throbbing, aching, tingling, numbness, burning sensation, or stiffness, DO NOT IGNORE THESE WARNING SIGNS. PROMPTLY SEE A QUALIFIED HEALTH PROFESSIONAL, even if symptoms occur when you are not playing a video game. Symptoms such as these can be associated with painful and sometimes permanently disabling injuries or disorders of the nerves, muscles, tendons, blood vessels, and other parts of the body. These musculoskeletal disorders (MSDs) include carpal tunnel syndrome, tendonitis, tenosynovitis, vibration syndromes, and other conditions.

While researchers are not yet able to answer many questions about MSDs, there is general agreement that many factors may be linked to their occurrence, including medical and physical conditions, stress and how one copes with it, overall health, and how a person positions and uses their body during work and other activities (including playing a video game). Some studies suggest that the amount of time a person performs an activity may also be a factor. If you have questions about how your own lifestyle, activities, or medical or physical condition may be related to MSDs, see a qualified health professional.

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GT DD PRO

1 GENERAL

WARNING: Choking Hazard - small parts. Not for children under 6 years.

For home use only

⚠ ATTENTION!

- The device must not be exposed to rain or humidity in order to avoid risk of fire and / or electric shock.
- Operating room temperature: 15°C - 35°C
- The recommended operation time with continuous force feedback activity is 1 hour.
- Excessive use may cause health risks. We recommend taking a 5 minute break after every 20 minutes of use, and to not drive for more than 2 hours per day.
- Do not open the casing of the device.
- This device contains components that cannot be repaired by the user. Opening the device casing will void the warranty.

⚠ WARNING! Electrical Safety:

- The GT DD PRO must be connected to an appropriate power source:
  - Always connect the DC side of the power supply to the wheel base before connecting the AC side of the power supply to your wall socket.
  - Only original power supply units from FANATEC® may be used with the GT DD PRO. Either the standard 90W PSU or the Boost Kit 180. The use of any third party power supplies may cause damage to the GT DD PRO, connected peripherals, and present a serious safety hazard to the user. The use of any third party power supplies will void the GT DD PRO warranty and any connected Fanatec peripheral warranties!
  - Use only the power cord that is included in the package contents with your GT DD PRO. Replacements may only be issued from an authorised repair centre.
  - Do not use non-standard power sources such as generators or inverters, even if the voltage and frequency appear acceptable. Only use AC power provided by a standard wall outlet.
- To avoid damage, do not expose your GT DD PRO to sources of heat.
- When connecting and / or disconnecting any steering wheel to / from the GT DD PRO, take care of the pins inside the Quick Release.
- Only use Fanatec steering wheels with the GT DD PRO.
- Unplug the power cord of your GT DD PRO during storms or when unused for long periods of time.
- If the GT DD PRO becomes damaged in any way, stop usage immediately and contact Fanatec Customer Support: Fanatec.com/support/faq.

The CSL Pedals and the CSL Pedals Clutch Kit must be connected to an appropriate power source:

- **For the used CSL Pedals and CSL Pedals Clutch Kit, use only the cords that came with your CSL Pedals and CSL Pedals Clutch Kit or that you received from an authorized repair centre.**

- **For the used CSL Pedals and CSL Pedals Clutch Kit, do not use non-standard power sources, such as generators or inverters, even if the voltage and frequency appear acceptable. Only use power provided by PC USB port or wheel base port 'Pedals'.**

- **If the CSL Pedals becomes damaged in any way, stop usage immediately and contact Fanatec® Customer Support: Fanatec.com/support/faq.**

- **All specifications in this document are subject to change. The PC driver may be updated to implement new features or general improvements.**

- **This manual discusses assembly, connections, and functions related to Fanatec® devices and other additional devices. This is not a replacement manual for the other corresponding products! Read the quick guides or user manuals for the other products!**

- **The warranty does not include defects that are due to commercial use of the product. See chapter "Warranty" at the end of this user manual or the included warranty flyer as well as the Terms & Conditions on Fanatec.com for more details.**

GENERAL NOTES

- **All specifications in this document are subject to change. The GT DD PRO firmware and / or PC driver may be updated to implement new features or general improvements.**

- **Fanatec peripherals which may be mentioned in this manual are not included within the GT DD PRO package and sold separately. You can obtain them from the Fanatec webshop: Fanatec.com**

- **This manual discusses assembly, connections, and functions related to Fanatec peripherals. This is not a replacement manual for the other corresponding products! Read the quick guides or user manuals for the other products as well!**

- **The warranty does not include defects that are due to commercial use of the product. See chapter "Warranty" at the end of this user manual as well as the Terms & Conditions on Fanatec.com for more details.**

- **To understand user behaviour with the GT DD PRO, and to help us improve this and future products, the wheel base continuously logs the number of hours it has been used on the standard power supply and Boost Kit 180. Logged data is product-related, not user-related, and therefore anonymous.**

PC compatibility not endorsed by Sony Interactive Entertainment Inc.

2   COMPATIBILITY

The wheel base can be used with a wide range of Fanatec peripherals to create a more realistic feeling based on the type of vehicle being simulated and your driving style. It's up to you! You can obtain them from the Fanatec webshop: **Fanatec.com**

The wheel base is compatible with PlayStation®5 consoles, PlayStation®4 consoles, and Windows PC.

IMPORTANT: The GT DD PRO is fully usable out of the box. We always recommend updating to the latest firmware. See chapter 5.1 "Firmware & Driver Update" for more details. A Windows PC and PC mode selected on the wheel base is required to perform firmware updates.

Fanatec.com/driver

Install the PC driver, then connect your wheel base to your Windows PC via USB. Ensure that your wheel base is in PC mode (see chapter 5.3 "Modes" for instructions). Open the PC driver, select 'Firmware Update', then select 'Open Firmware Manager' which will guide you through the update process.
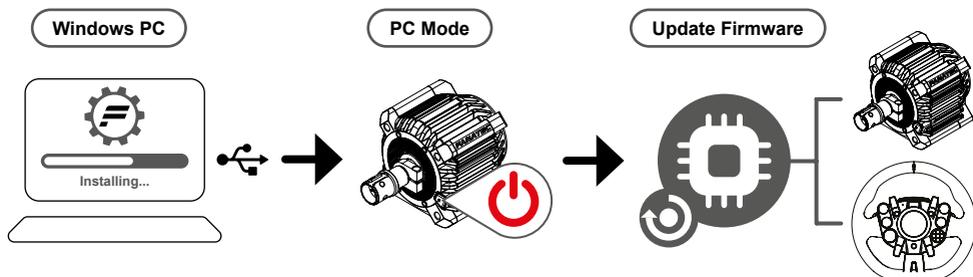
Windows PC	PC Mode	Update Firmware
Installing...		

For a complete guide on updating the firmware and driver, see our **Driver & Firmware Instructions Manual** on **Fanatec.com**.

Fanatec.com/df-manual-V1

PC compatibility not endorsed by Sony Interactive Entertainment Inc.

3   PACKAGE CONTENTS

b.1 1x QR1 Lite Wheel-Side
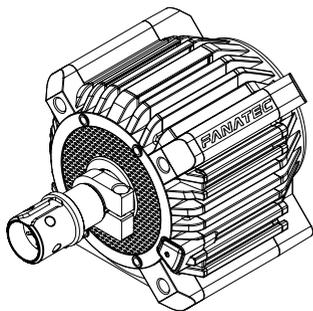
a 1x Gran Turismo® DD Pro (Officially licensed for PS5™ consoles)
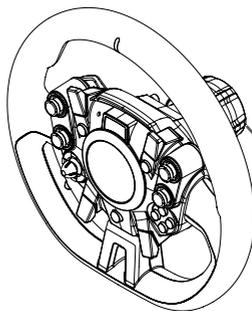
b 1x Steering Wheel for Gran Turismo® DD Pro
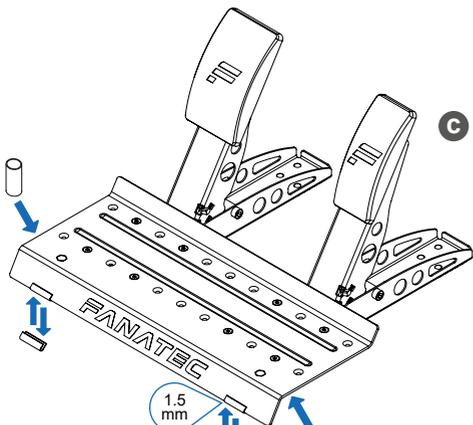
c 1x CSL Pedals

1.5 mm

c.1
2x

c.2
2x

2.5 mm
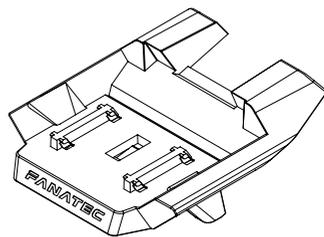
d 1x CSL DD Table Clamp
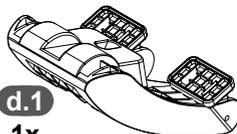
d.1
1x

d.2
1x

c.3 1x T20 Torx Key

d.3
1x

d.4
1x

90W

(~ 140 cm)

+

(~ 160 cm)

*

180W

(~ 140 cm)

+

(~ 160 cm)
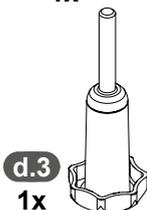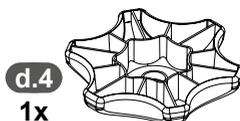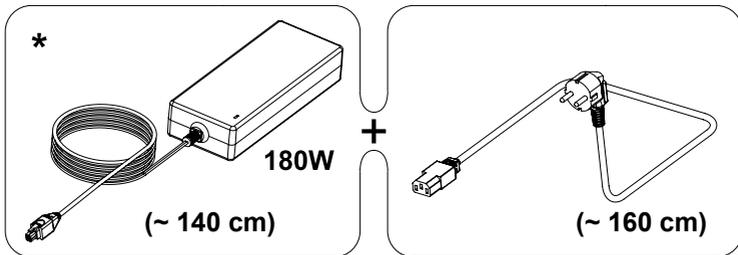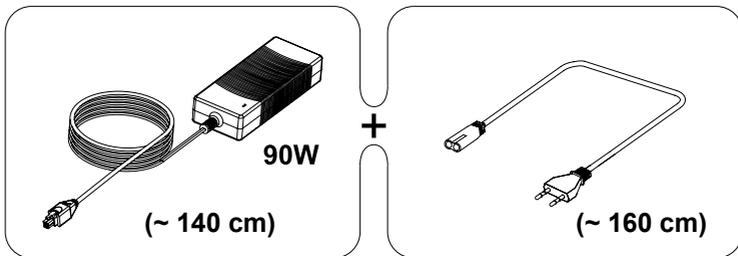
e 1x Power Supply

f 1x Power Cord (Regional)

* Sold separately

g 4x M6x8 mm T-Nut
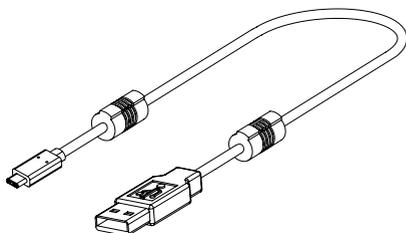
h 1x USB Type-A to Type-C Cable
(~ 290 cm)
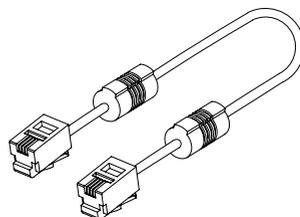
i 1x RJ12 Cable
(~ 200 cm)

4 ASSEMBLY

4.1 PLAN YOUR SETUP

To get started with using the GT DD PRO, decide on whether you will hard-mount the wheel base and pedals or use the CSL DD Table Clamp, connect your steering wheel via the Quick Release system, then connect the GT DD PRO to your PlayStation®5 console or PlayStation®4 console using the included USB cable. It is important to follow the chapter sequence of this manual for an effective assembly and setup procedure.

ATTENTION: See chapter 4.6 "Connections" for which type of peripheral devices must be connected to which port at the rear of the GT DD PRO. All devices have to be connected to the GT DD PRO before powering ON to allow proper detection and operation. Only use the included USB cable from your GT DD PRO package contents to avoid damages! Ensure there is enough space around the wheel base to allow for air to circulate. Passive air circulation is sufficient.

4.2   TABLE CLAMP

4

4.1

4.4

4.3

4.2

5

5.1

5 - 60 mm

d.4

5.2

4.3 HARD-MOUNTING

e **e** **e** **e** **e**

10 mm **X**
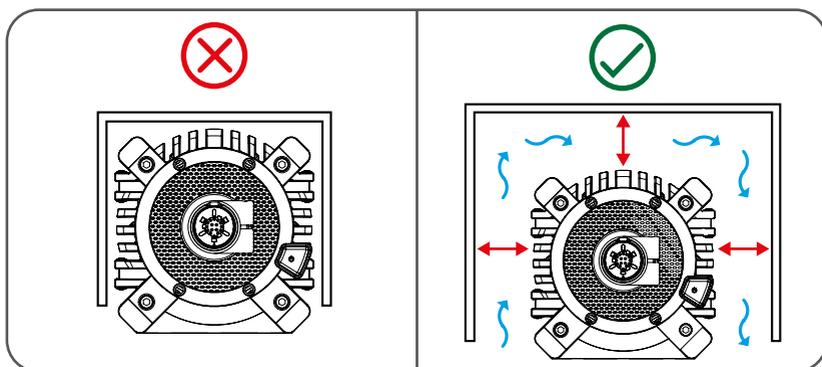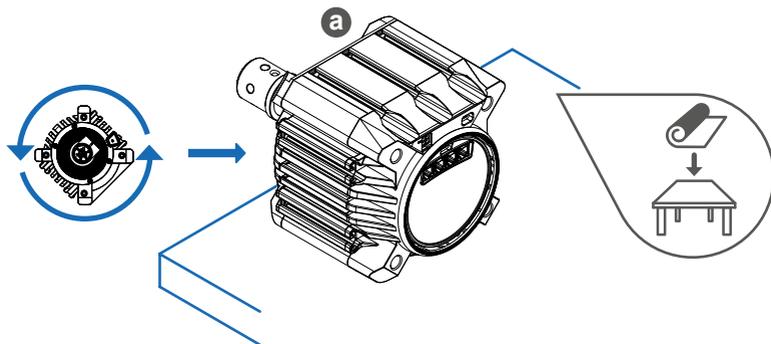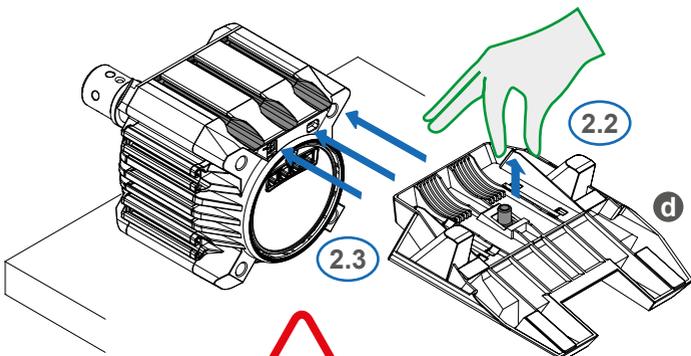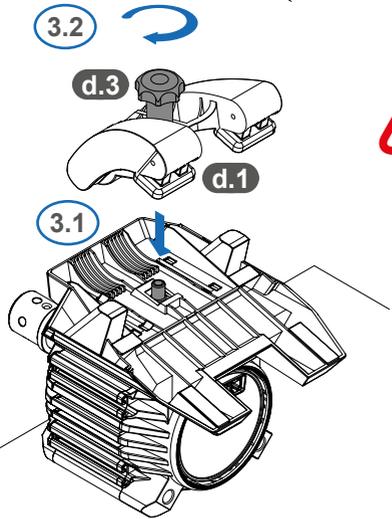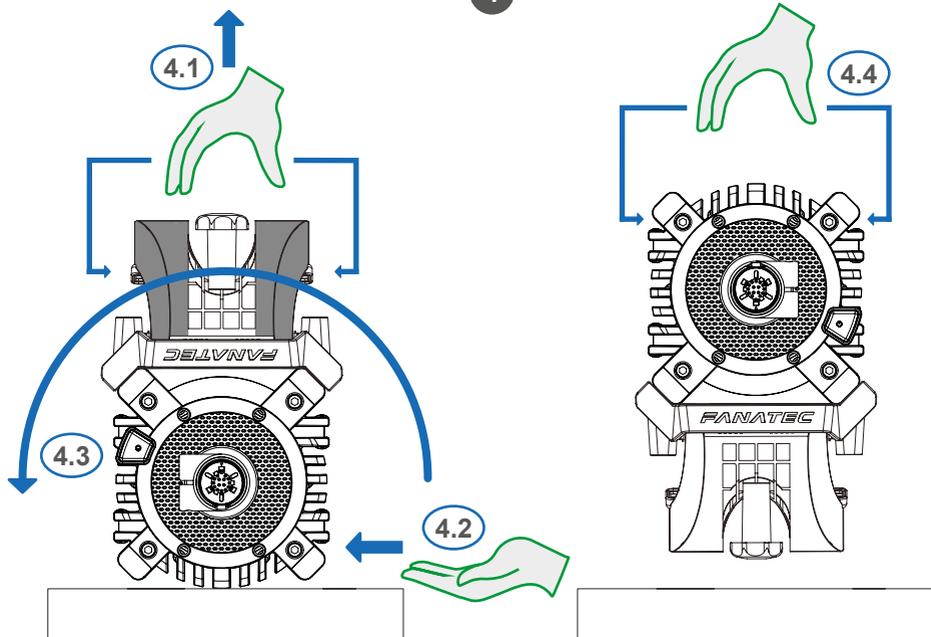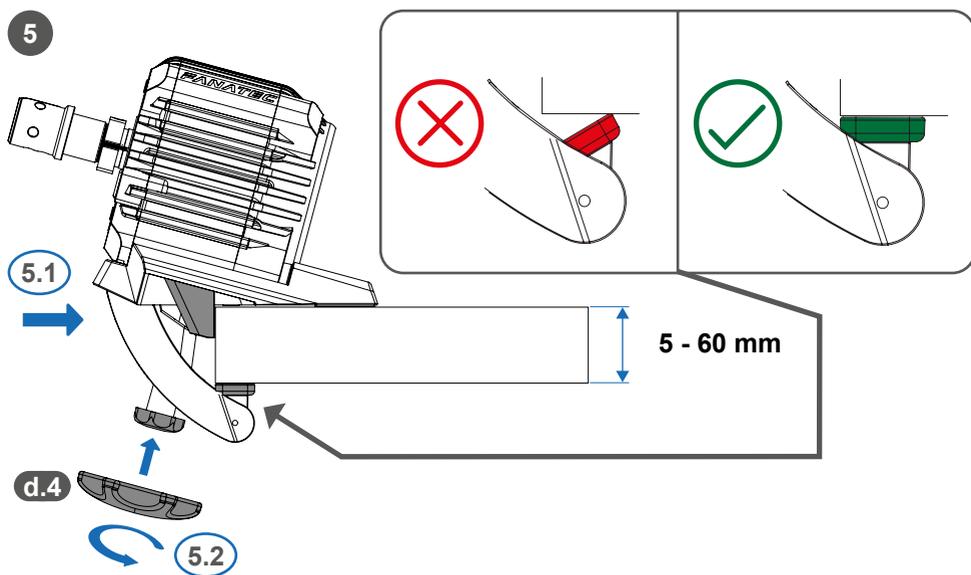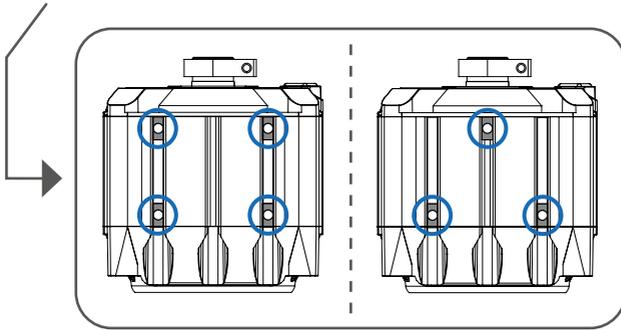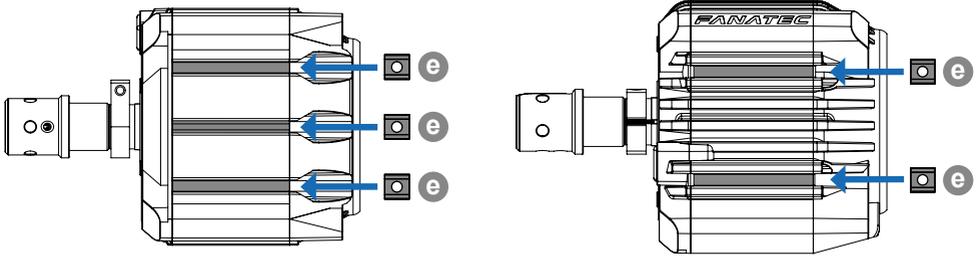
ATTENTION: Not for hard-mounting! Only for peripheral mounting such as static shifter paddles or a dash display.

Thread length: 10 mm

10 mm **X**
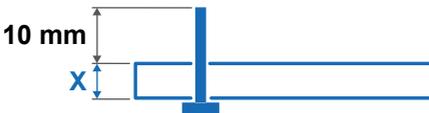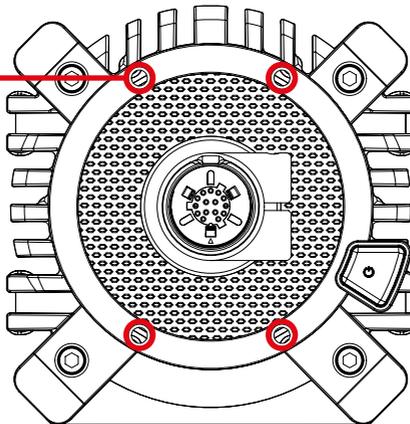
NOTE: Use only good quality bolts when hard-mounting.

Bolt specifications: M6x(10+X) mm

4.4 ATTACHING THE STEERING WHEEL
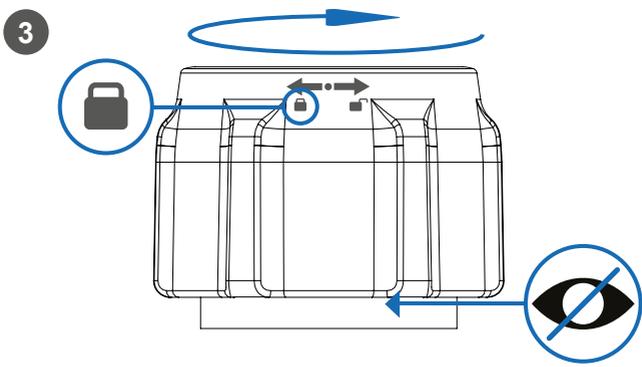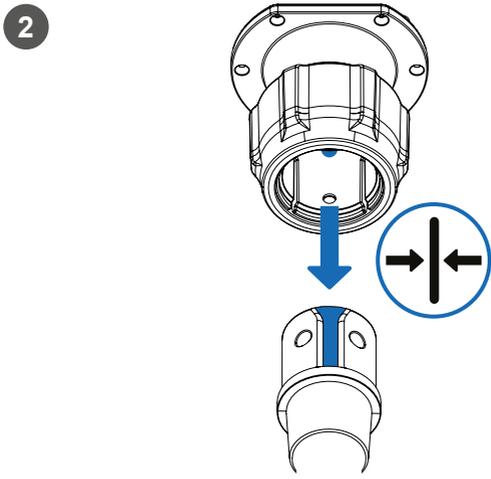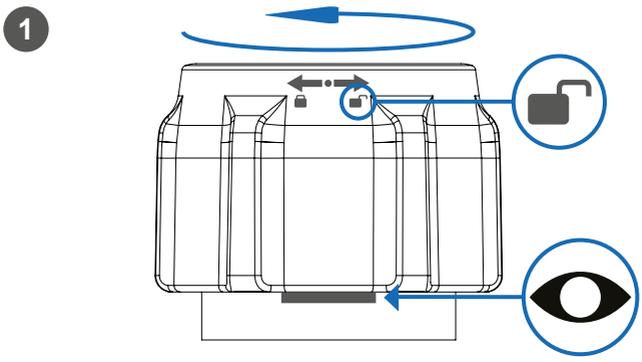
4.5 PEDAL SETUP

For use on hard floor or carpet surfaces

2.5 mm   c.1

Wheel Base / Load Cell

Hard-Mounting

Ø 8 mm

152 mm

343.73 mm

30.85 mm

248 mm

M6

275 mm

1:1
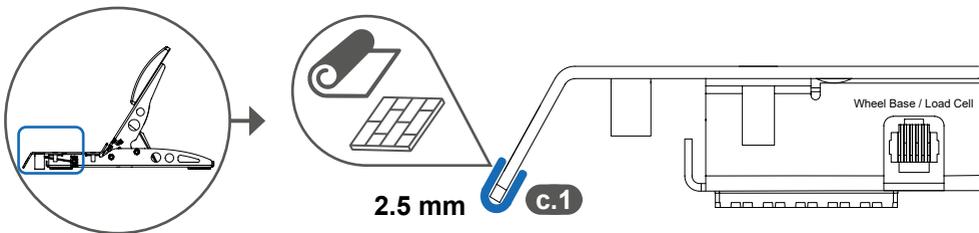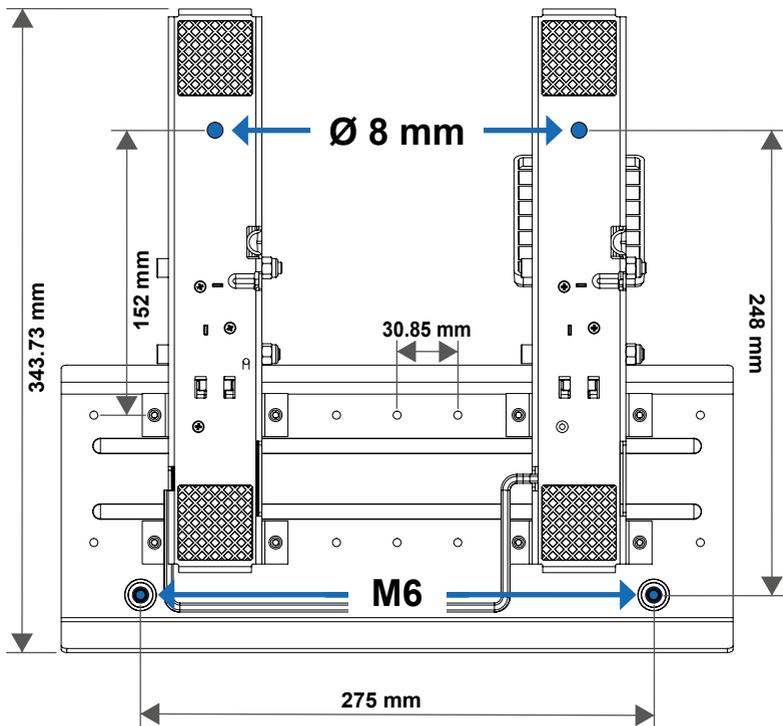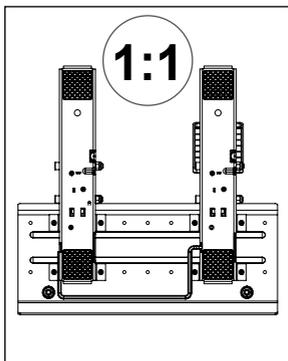
CSL Pedals Drilling Template

Wheel Base / Load Cell

c.2

22 mm

X

M6x(22+X) mm
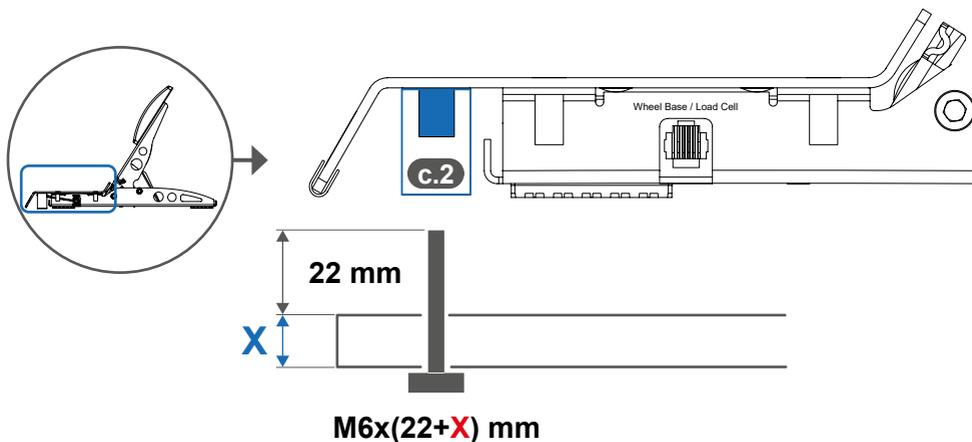
For detailed information on getting the most out of your CSL Pedals, download the manual from Fanatec.com/manuals.

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4.6 CONNECTIONS

f

e

i

Wheel Base / Load Cell

h

c
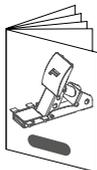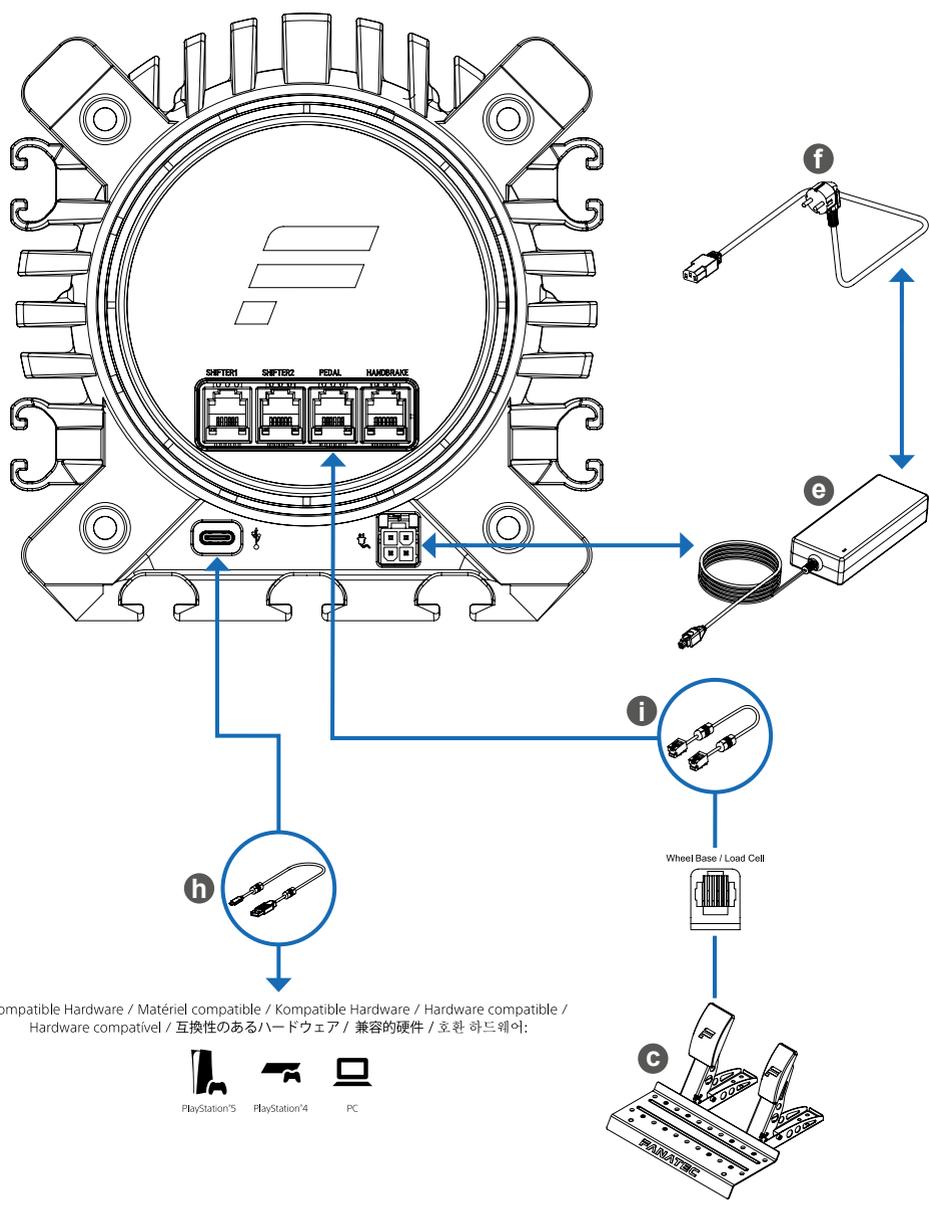
Compatible Hardware / Matériel compatible / Kompatible Hardware / Hardware compatible / Hardware compatível / 互換性のあるハードウェア / 兼容的硬件 / 호환 하드웨어:

PlayStation®5   PlayStation®4   PC
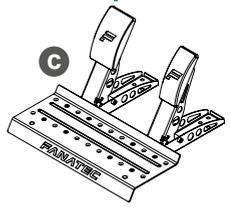
FANATEC®   GT DD PRO

4.7 RECOMMENDED ACCESSORIES

Alongside the full catalogue of Fanatec peripherals, the following accessories are also compatible with the GT DD PRO. Check them out by clicking on the hyperlinked product names below or at Fanatec.com.

Boost Kit 180
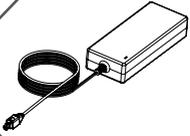
*
ClubSport Shifter SQ V1.5

ClubSport Static Shifter Paddles
*

*
ClubSport Handbrake V1.5
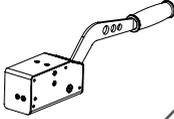
Podium Mounting Brackets
*

(4x M6x20 mm bolts and washers required)

* Compatibility not endorsed by Sony Interactive Entertainment Inc.

5　FUNCTIONS & FEATURES

5.1　FIRMWARE & DRIVER UPDATE

ATTENTION: A Windows PC is required to perform firmware updates. Ensure that the wheel base is in PC mode. See chapter 5.3 "Modes".

The firmware provides the GT DD PRO functionality, steering wheel functionality, defines the compatibility, and handles the communication between the device to PC or console, as well as to other peripheral devices such as shifters and pedals.

For a complete guide on updating the firmware and driver, see our Driver & Firmware Instructions Manual on Fanatec.com.

Fanatec.com/df-manual-V1

5.2　START-UP PROCEDURE

To turn on the wheel base, connect the system to electrical power and press the "⏻" button on the right side of the wheel base for about one second. The wheel base will then immediately perform a start-up calibration. To turn off the wheel base, press and hold the "⏻" button for 3 seconds.

NOTE: Only use the power supply (❷) and power cord (❶) included with this product. Using any other power source is prohibited and will void the warranty.

⚠ ATTENTION: To avoid injury or incorrect calibration, do not touch the wheel base shaft or attached steering wheel whilst the wheel base is performing the start-up calibration.

"⏻" button / "⏻" and Mode LED Indicator.

5.3 MODES

To cycle through modes, short press the power button whilst the wheel base is on. The LED colour illuminating the power button will indicate the current mode:

⏻ **PlayStation® ****   **- For use on PS5™ consoles and PS4™ consoles.**

⏻ **PS4™ Compatibility ****   **- Detected as a CSL Elite Wheel Base + PS4™. For use on PS5™ consoles and PS4™ consoles when the GT DD PRO is not detected or supported by the game.**

⏻ **PC**   **- For use on PC.**

⏻ **PC Compatibility**   **- Detected as a ClubSport Wheel Base V2.5. For use on PC when the GT DD PRO is not detected or supported by the game.**

**** USB update rate up to 250Hz in PlayStation® mode**

Short press the power button or press the highlighted button combination to change modes:
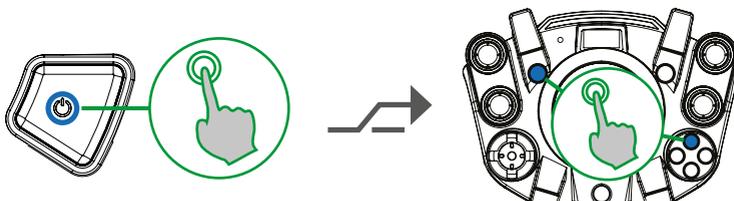
NOTE: Once the mode has been changed manually, the wheel base will remain in the selected mode after subsequent booting until the mode is manually changed again. Exception: After a firmware update is performed.

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5.4 CENTRE CALIBRATION

It may be necessary to calibrate the centre position manually. This will be indicated by "CAL" flashing on the display of the steering wheel as shown on the right, then proceed with the following steps:

CAL

1 Enter Tuning Menu
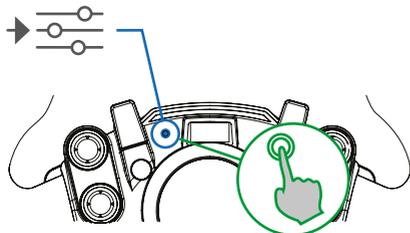
2 Centre the steering wheel
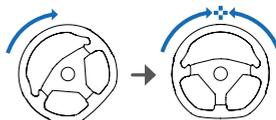
3 Press button combination
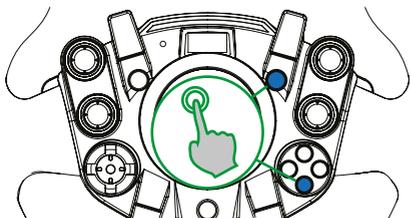
4 Exit Tuning Menu
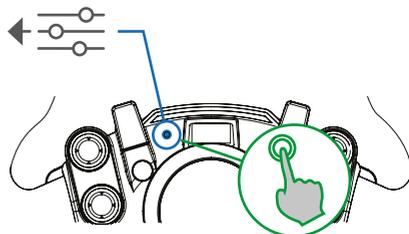
NOTE: Centre calibration can also be performed in the PC driver.

5.5 SHIFTER CALIBRATION

NOTE: The steering wheel has a specific button combination in order to perform a shifter calibration. Shifter calibration can also be performed in the PC driver. After a firmware update has been performed, the wheel base will request the shifter calibration automatically as soon as a non-calibrated H-pattern shifter is connected and detected. The menu will guide you through the calibration steps as described below.

In order to enter the H-pattern shifter calibration mode, press the button combination shown on the right:
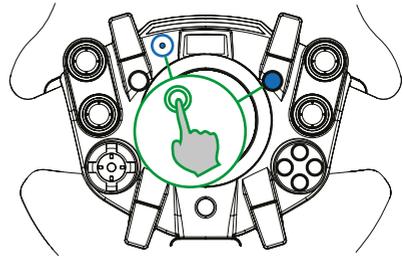
Put the H-pattern shifter lever into the position shown on the steering wheel display and acknowledge each gear position by pressing the indicated button shown on the right:
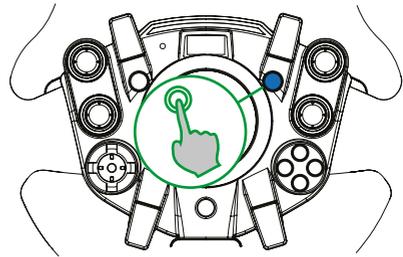
The OLED display of the steering wheel will display the instructions in sequence as shown below:

GEAR N / SET GEAR / PRESS P	= Neutral Position	GEAR 4 / SET GEAR / PRESS P	= 4th Gear
GEAR R / SET GEAR / PRESS P	= Reverse Gear	GEAR 5 / SET GEAR / PRESS P	= 5th Gear
GEAR 1 / SET GEAR / PRESS P	= 1st Gear	GEAR 6 / SET GEAR / PRESS P	= 6th Gear
GEAR 2 / SET GEAR / PRESS P	= 2nd Gear	GEAR 7 / SET GEAR / PRESS P	= 7th Gear
GEAR 3 / SET GEAR / PRESS P	= 3rd Gear		

NOTE: Instructions displayed on steering wheels featuring an OLED display may differ slightly from each other after firmware updates.

If your shifter has no 7th gear, just acknowledge it by pressing the indicated button for the attached steering wheel when the shifter lever is physically in 6th gear. Shifter calibration will be completed after the 7th gear has been confirmed.

NOTE: If you did not intend to enter the shifter calibration mode, complete the calibration process either without a connected shifter or without moving the shifter lever. You may then leave the shifter calibration mode at the end of the process. This has no impact on the original calibration and you can go ahead without a shifter.

5.6 TUNING MENU

In order to enter the Tuning Menu, press the Tuning Menu button of the connected Fanatec steering wheel. The Tuning Menu will be shown on the display of the connected steering wheel. To navigate through the Tuning Menu, use the D-Pad or FunkySwitch™ of the connected steering wheel.

NOTE: Read the quick guide of the connected Fanatec steering wheel in order to perform various functions such as centre calibration via button combinations. Tuning parameters are subject to change and may be altered in future firmware versions.

Tuning Menu button

D-Pad
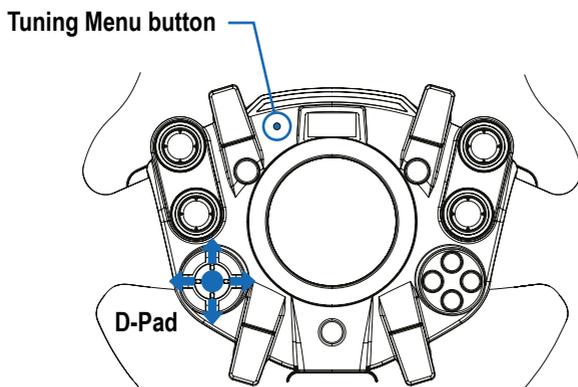
5.6.1   TUNING MENUS AND PROFILES

> **Standard Tuning Menu: 1 Auto + 1 Custom setup**   **Core parameters only**
> **Advanced Tuning Menu: 1 Auto + 5 Custom setup**   **All parameters**

> **Auto Setup:**

Auto Setup allows games to control tuning parameter values for a force feedback experience as intended by the developer. Manual changes to tuning parameter values by the user are not possible.

Enter the Tuning Menu by pressing the Tuning Menu button and select 'A SET' to activate the Auto Setup. When a game actively uses Auto Setup, 'A.SET.' will be shown. If no game uses Auto Setup, the factory default tuning settings are used.

In order to view which tuning parameters are automatically adjusted, enter the Tuning Menu by pressing the Tuning Menu button. Select 'A SET', then navigate to the desired tuning parameter. Attempt to change the tuning parameter which will reveal the auto adjusted value.

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GT DD PRO

Standard Tuning Menu:

This Tuning Menu will activated by default when entering the Tuning Menu for the first time by pressing the Tuning Menu button. 'A SET' indicates the Auto Setup profile and 'C SET' indicates the Custom Setup profile.

This setup profile allows access to:

• **SEN (Sensitivity)**
• **FF (Force Feedback)**
• **NDP (Natural Damper)**
• **SHO (Shock / Vibration Strength)**
• **MPS (Multi Position Switch Function)**
• **BRF (Brake Force)**

SHO, MPS, and BRF parameters are only available when supporting products are connected. See (5.6.12) and (5.6.13) on page 26 as well as (5.6.15) on page 28 for detailed information.

These tuning parameters have slightly adjusted ranges to ensure the best possible standard tuning experience apart from SHO, MPS, and BRF.

Cycle Standard and Advanced Tuning Menu:

Pressing and hold the Tuning Menu button on your steering wheel for 4 seconds in order to switch between Standard and Advanced Tuning Menu as illustrated below. Press and hold for an additional 6 seconds in order to reset the Custom Setup profiles to the default values. Resetting the Tuning Menu will activate the Standard Tuning Menu.

| Tuning Menu Button | 4 seconds | Menu Change | 6 seconds | Reset |

Advanced Tuning Menu:

'A SET' indicates the Auto Setup profile and '1 SET' to '5 SET' indicates the Custom Setup profiles.

These profiles allow full access to all tuning parameters without limitation.

5.6.2　SEN (SENSITIVITY)

> **Standard SEN range: 180 … 1080 → AUTO**　　**SEN default: AUTO**
> **Advanced SEN range: 90 … 2520 → AUTO**　　**SEN default: AUTO**

Sensitivity defines the degrees of rotation. If SEN is set to 90 the steering wheel can only be turned 90° (45° left and 45° right from the calibrated centre position). If SEN is set to 2520 the steering wheel can be turned 2520° (1260° left and 1260° right from the calibrated centre position). If SEN is set to AUTO, the sensitivity is controlled by the PC driver or directly by the game (if it supports the feature).

5.6.3　FF (FORCE FEEDBACK)

> **Standard FF range:　　　 → 005 … 100**　　**FF default: 100**
> **Advanced FF range: OFF → 001 … 100**　　**FF default: 100**

Force Feedback defines the maximum strength of the motor when force feedback effects from software / games are sent to the GT DD PRO. If FF is set to OFF, there will be no force feedback effect executed by the GT DD PRO motor. If FF is set to 001, the motor will execute only 1% of the maximum motor power. If FF is set to 100, the motor will execute 100% of the maximum motor power. The final torque output is influenced by several factors, including the force feedback modifiers (see below), and the in-game settings. For stronger feedback, it is better to run a higher 'FF' value in the Tuning Menu rather than turning up the in-game strength value (to avoid clipping).

5.6.4 FFS (FORCE FEEDBACK SCALING)

FFS range: LIN (Linear) / PEA (Peak)   **FFS default: PEA**

FF Scaling reduces maximum FFB output by a small amount in order to guarantee a consistent output between peaks and holding forces as well as improved general linearity between game output and torque output. LIN activates this setting and PEA deactivates this setting.

PSU	FFS Range	Max. Torque
Standard PSU	LIN	4 Nm
	PEA	5 Nm
Boost Kit 180 PSU	LIN	6 Nm
	PEA	8 Nm

5.6.5 NDP (NATURAL DAMPER)

Standard NDP range: → **25 … 100**   **NDP default: 50**
Advanced NDP range: OFF → **01 … 100**   **NDP default: 50**

Natural Damper provides additional damping which can be adjusted from OFF to 100. 100 will have the strongest damping effect which reacts to the acceleration and angle of your steering. If turned OFF, your steering will have no additional damping, making it easier to turn the steering wheel.

Natural Damper is useful for controlling the speed of the wheel during oversteer, and also helps to reduce wheel oscillation. Oscillation is typically caused by latency in the feedback loop, and is more apparent in racing games that are not optimised for high-torque motors. The default value of 50 provides a balance between steering responsiveness and oscillation mitigation.

5.6.6　NFR (NATURAL FRICTION)

NFR range: OFF → 001 … 100　　　　　　**NFR default: OFF**

Natural Friction is used to simulate the mechanical feel of steering components. A higher setting results in more resistance when rotating the steering wheel. This can enhance the feeling of driving vehicles without power steering, or with very wide tyres. This setting may also help prevent oscillation.

5.6.7　NIN (NATURAL INERTIA)

NIN range: OFF → 001 … 100　　　　　　**NIN default: OFF**

Natural Inertia simulates additional steering weight. This can be particularly useful when using lighter steering wheels such as steering wheels from our CSL Elite / CSL range. Additionally, the Natural Friction setting is smoothed on direction changes.

5.6.8　INT (FFB INTERPOLATION)

INT range: OFF → 01 … 20　　　　　　**INT default: 11**

FFB Interpolation smooths and interpolates FFB by filtering game output without FFB detail loss. OFF = unfiltered, 01 = lowest filter, and 20 = highest filter.

5.6.9　FEI (FORCE EFFECT INTENSITY)

FEI range: 000 ... 100　　　　　　**FEI default: 100**

Force Effect Intensity adjusts the overall intensity and smoothness of force effects: 000 is the smoothest. 100 is the sharpest and most direct. Tuning this parameter can refine harsh or spiky force feedback signals in some games.

5.6.10   FORCE / SPRING / DAMPER EFFECT

FOR range: OFF → 010 … 120	**FOR default: 100**
SPR range: OFF → 010 … 120	**SPR default: 100**
DPR range: OFF → 010 … 120	**DPR default: 100**

These FFB modifiers allow you to change the FFB signals of a game (only applicable if games support these effects). Theoretically, there are three signal types which a game can send. Force (forces the steering wheel in a specific direction). Spring (pulls the steering wheel towards the dynamic centre). Damper (creates friction)

NOTE: Not every game uses all three types of effects and some games use only one type to create all three effects.

IMPORTANT: If Spring is adjusted to low values or OFF, the wheel base will not be able to move the attached steering wheel to the correct centre position after a centre calibration is performed. Only adjust these values higher than 100% if the FFB effects are not strong enough and weaker in comparison to other games. Raising one or more of these values may result in higher load on the motor and increase heat generation.

5.6.11   BLI (BRAKE LEVEL INDICATOR)

BLI range: 001 … 100 → OFF	**BLI default: OFF**

Values from 001 to 100 sets the activation point for brake pedal vibration (only available when ClubSport Pedals V3 / V3i is connected). This feature works independently and therefore can be used with any game. It is useful for learning threshold braking technique. OFF allows pedal vibration to be controlled by a game directly (if supported).

5.6.12 SHO (SHOCK / VIBRATION STRENGTH)

SHO range: OFF → ON   **SHO default: ON**

The strength of the shock / vibration inside a Fanatec steering wheel and pedal set which features vibration motors can be set to either OFF or ON. These vibration motors can be used directly by the game if supported.

5.6.13 MPS (MULTI POSITION SWITCH FUNCTION)

MPS: AUTO; ENC; CONST; PULSE   **MPS default: AUTO**

ENC (Encoder): The MPS simulates two buttons, one when rotating the MPS left and one when rotating the MPS right.

PULSE: The MPS outputs a specific button signal for each position which is only sent as a single pulse when you rotate the switch.

CONST (Constant): The MPS outputs a constant button signal for each position.

AUTO (Game specific): The game can decide which mode is appropriate.

NOTE: Not supported by the included steering wheel. Only available if you are using a Fanatec steering wheel featuring multi position switches such as the ClubSport Steering Wheel Formula V2.5. Additionally this feature must be supported by the game to function.

5.6.14 AP (ANALOGUE PADDLES)

> **AP: CbP; CH; bt; AnA**   **AP default: CbP**

CbP(Clutch Bite Point): This feature can be used in any game with an analogue clutch axis. Both left and right analogue paddles work in parallel; the primary paddle is determined by which is pressed further.

Clutch bite point configuration steps	
Simplified	**Advanced**
• Press both clutch paddles simultaneously to a least 5% to activate, move both paddles up to 100%. • Release one paddle whilst keeping the other fully pressed. The display will now show the percentage value of the released paddle while the car's clutch is still fully pressed. • Set the released paddle to the percentage where your car's clutch starts to bite (recommended to evaluate by conducting multiple launch starts). • As soon as the virtual start lights turn green, completely release one of the fully pressed paddles and the clutch will immediately be at the bite point. • Release the second paddle once a suitable speed is reached for the optimum launch.	• Completely press and hold one clutch paddle. • Press the FunkySwitch™ D-pad stick down. "100" will be shown on the display. Rotate the FunkySwitch™ in order to change the percentage of the bite point as desired to suit your car (recommended to evaluate by conducting multiple launch starts). • Release the paddles to set and store the desired value. You can have an individually stored value for each Tuning Menu slot S_1 ... S_5. • At race start, press both paddles again to activate the bite point mode, Release one of the paddles and the clutch will immediately be at the bite point. • Release the second paddle once a suitable speed is reached for the optimum launch.

CH(Clutch / Handbrake): Left paddle = Clutch. Right paddle = Handbrake.

bt(Brake / Throttle): Left paddle = Brake. Right paddle = Throttle.

AnA(Mappable Axes): Paddles can be mapped as two additional axes. This may be shared with the analogue joystick on some steering wheels.

NOTE: Not supported by the included steering wheel. Only available if you are using a Fanatec steering wheel or add-on shifter paddles featuring analogue paddles which do not have a dedicated hardware switch for different analogue paddle modes.

Compatibility not endorsed by Sony Interactive Entertainment Inc.

5.6.15   BRF (BRAKE FORCE)

CSP V3 / V3i: Lo → 001 ... 100 → Hi   BRF default: 050
CSL E P LCK / CSL P LCK: Lo → 010 ... 100 → Hi   BRF default: 050

Brake Force changes the force needed to reach 100% brake input for load cell brake pedals and is available when a pedal set featuring a load cell brake is connected to a wheel base via RJ12 and to a PC via USB. 'Lo' requires the least amount of brake pressure, 100 requires the most amount of brake pressure.

NOTE: Not supported by the included CSL Pedals.

Compatibility not endorsed by Sony Interactive Entertainment Inc.

6 CLEANING

Clean only with a dry or slightly damp microfibre cloth. Using cleaning solutions may damage your GT DD PRO.

7 TROUBLESHOOTING

The GT DD PRO must not be modified differently other than explicitly described in this manual. Endor® AG expressly prohibits analysis and utilisation of the electronics, hardware, software, and firmware contained in this device. In case difficulties occur regarding utilisation of the GT DD PRO, please use the following troubleshooting guide. You will find further details and contact information on Fanatec.com/support/faq.

If the GT DD PRO is not working properly:

Problem description	Solution
The steering wheel is not properly centred after a firmware update of the GT DD PRO has been performed.	After performing a firmware update of the GT DD PRO, the wheel centre position must be manually calibrated. See chapter 5.4 "Centre Calibration" of this manual for more details.
The H-pattern shifter is not working properly after a firmware update of the GT DD PRO has been performed.	After performing a firmware update of the GT DD PRO, the H-pattern shifter must be manually calibrated. See chapter 5.5 "Shifter Calibration" of this manual for more details.
The driver window does not show the attached steering wheel.	Ensure that you have updated your GT DD PRO to the latest firmware version which is contained in the latest PC driver and can be downloaded from Fanatec.com/driver.
	Check the pins inside the Quick Release of the steering wheel. These must not be bent or damaged.
	Try to use another steering wheel. If this is also not detected, the GT DD PRO may be damaged.
The PC driver is unable to switch the wheel base into update mode.	When OFF, hold power button for 8 seconds in order to boot into bootloader mode. Attempt to update firmware via the Firmware Update Assistant.

Problem description	Solution
The Tuning display does not show anything or is not working properly.	Try to use another steering wheel. If this is also not working properly the GT DD PRO may be damaged.
	Check the pins inside the Quick Release of the steering wheel. These must not be bent or damaged.
After booting on the GT DD PRO, the start-up calibration is not working properly.	Ensure that you have updated your GT DD PRO to the latest firmware version which can be downloaded from Fanatec.com/driver.
After start-up calibration of the GT DD PRO, the attached steering wheel does not return to the correct centre position.	The wheel base might require a manual centre calibration. See chapter 5.4 "Centre Calibration" of this manual for more details.
RevLEDs, FlagLEDs and / or display does not work in specific games.	Older titles may not support recent wheel bases. A possible solution is to switch to the "PC Compatibility Mode" (⏻ LED). Also please check out our PC suite "FanaLab" which may add support for some titles and features.
How can I get in contact with Fanatec customer support?	There is a chat service on our website, or you can create a Support Ticket via the 'My Products' section of your Fanatec account. Fanatec.com
The PC driver or the wheel base does not recognise the CSL Pedals.	Make sure that you have updated your wheel base and ClubSport USB Adapter firmware to the latest firmware version contained within the latest PC driver which can be downloaded from fanatec.com/driver.
	Ensure that the used RJ12 cable is only that which is included in the CSL Pedals package content.
	Ensure that the RJ12 cables are plugged in the correct ports of the CSL Pedals located on the gas pedal module and the correct ports of the wheel base and ClubSport USB Adapter.
The CSL Pedals pedal signals are not correctly indicated or verified by the PC driver after start-up.	When starting-up the CSL Pedals, every pedal lever must initially be pushed to the maximum position and then fully released back to the minimum position.

8 VIDEO MANUAL

VIDEO MANUAL

Fanatec.com/QR/GT-DD-RWP-PRO

9 SERIAL NUMBER

The serial number is located at the bottom of the wheel base as well as on the gift box and shipping box.

The serial number of the Gran Turismo® DD Pro bundle starts with letters 'GT' and has additional 8 numbers, for example: GT021000370.

The serial number of the:
- Gran Turismo® DD Pro Wheel Base starts with letters 'GU'
- Steering Wheel for Gran Turismo® DD Pro starts with letters 'GV'
- CSL Pedals starts with letters 'GW'

10 TRADEMARKS

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11 PRODUCT RECYCLING

Please follow your local regulations when disposing of this product as e-waste.

12 COMPLIANCE

CE COMPLIANCE

C E

This device complies with the European product regulations according to CE regulations. The CE regulations contain basic requirements for safe usage of technical products.

FCC COMPLIANCE

FC

This device complies with part 15 of the FCC rules. The operation of this device is subject to the following two conditions:

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

- **This device was not modified differently than described explicitly in this user manual.**

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 this 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.

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This product meets the requirements of the Technical Regulations which limit the use of certain hazardous substances in electrical and electronic equipment.

Цей продукт відповідає вимогам RoHS (Директива ЄС 2011/65 / ЄС).

13 WARRANTY

Endor® AG ("Endor") or local subsidiaries warrants to the original purchaser that the Fanatec product, which includes components contained in the retail box with this product will be free from material defects in material and workmanship for a period of one year from the original date of purchase (the "Warranty Period"). This warranty is valid in the country where the product was purchased. **If this product is determined to be materially defective during the warranty period, your sole remedy and Endor's sole and exclusive liability is limited to the repair or replacement of this product with a factory-recertified product, at Endor's option.** For purposes of this Limited Hardware Warranty and Liability, "factory recertified" means a product that has been returned to its original specifications.

This warranty does not apply if this product

a) **is used with products that are not expressly declared in the product descriptions as compatible with this product;**

b) **is used with peripherals Endor does not license, expressly approve or sell. This includes non-licensed hardware enhancement devices, controllers, adaptors, and power supply devices ("non-licensed/non-approved peripherals");**

c) **is used for any commercial purpose, including rental or arcade purposes;**

d) **is modified or tampered with contrary to the operating and maintenance instructions;**

e) **is damaged by the acts of God (natural disasters), negligence, accidents, wear and tear, unreasonable use, or by causes unrelated to defective materials or workmanship;**

f) **has the serial number altered, defaced or removed (where applicable);**

g) **has the warranty seal altered, defaced or removed (where applicable).**

This warranty does not cover consumables (such as batteries) or products sold and clearly marked "AS IS" or with faults. Endor may void this warranty if

1) **Endor reasonably believes that the product has been used in a manner that violates the terms of a separate end user agreement for firmware, system software or game software;**

2) **the product is used with non-licensed/non-approved peripherals. Consumer assume all risks and liabilities associated with use of third-party products.**

This warranty is provided to you in lieu of all other express or implied warranties. This includes warranties of merchantability and fitness for a particular purpose for this product, which Endor disclaims under these terms. However, if applicable law requires any of these warranties, then they are limited in duration to the warranty period.

Except as expressly stated above, Endor excludes all liability for loss of data, loss of profit, or any loss or damage suffered by you or any third party, whether those damages are direct, indirect, consequential, special, or incidental and however arising under any theory of law, as a result of using this product. Some states or provinces do not allow limitations on how long an implied warranty lasts and some states do not allow the exclusion or limitations of consequential or incidental damages, so these limitations or exclusions may not apply to you. This warranty gives you specific legal rights. You may also have other rights which vary from state to state or province to province. The warranty offered by Endor on this product is the same whether or not you register your product.

This warranty does not apply to any system software / firmware that is pre-installed in the purchased product, or is subsequently provided via update or upgrade releases. In case of issues apparently related to system software / firmware as well as any other product related issues, Endor recommends checking the FAQ database at **fanatec.com/support/faq** to see if your problem can be solved there.

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