XF1 PRO | MANUAL

Injection moulded polyurethane grips

Construction made of metal and forging carbon fiber

Dashboards and LED bars are compatible with SimHub

4.3-inch IPS LCD with 800x480 pixels and 60 FPS

18 RGB LEDs with adjustable brightness and color

Optional non-contact clutch and optional paddles

70mm quick release holes and bolt holes

LEOX1

Notes

- Please read the user guide manual completely before installing or operating the racing wheel.

- This racing wheel has screen components, so it is important to avoid pressing the screen during use and minimize contact with it.

- When connecting the racing wheel to the base, make sure that it is firmly attached before turning off the power.

- If using a USB connection, connect it directly to the PC instead of using a USB hub.

- Any modifications, disassemble, tampering, changes or unauthorized uses of the product will void the warranty.

- The racing wheel should not be used in wet or liquid environments and should be kept away from high temperatures, low temperatures, and direct sunlight.

- The maximum input for the USB is 5V 1A.

- This racing wheel is designed for simulation use only.

- Leoxz is responsible for revising and explaining this manual, and reserves the right to make changes or corrections to the information and explanation provided without prior notice and without any responsibility.

What's included

- XF1 Pro Steering Wheel
- USB-XS9 Cable
- Custom Stickers
- M3 Allen Key
- Nylon Tweezers

Note: The M3 allen key can only be used to adjust the paddle and remove the front knob for easy sticking of stickers.
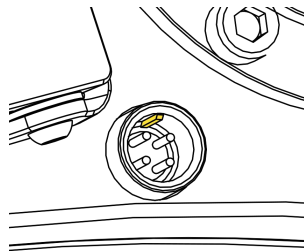
USB Connection

XF1 Pro can only be connected via USB cable and requires a minimum input power of 5V 0.8A to ensure proper operation. Otherwise, unexpected errors may occur.

The USB-XS9 cable will ensure a stable and reliable connection.
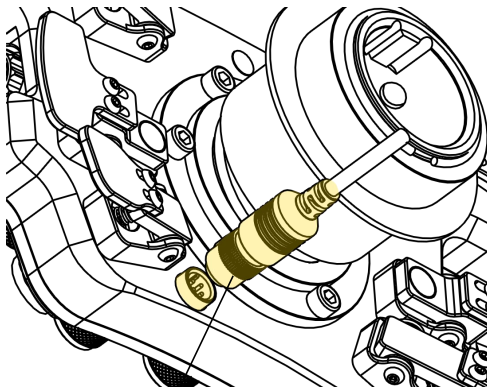
USB-XS9 Cable

Note: Make sure that the USB-XS9 cable is aligned with the raised mark of the XS9 interface, otherwise it will cause permanent damage to the socket if it is inserted forcibly.

QR Installation

The XF1 Pro has 12 mounting holes with a diameter of 70mm for quick release installation, including 6 through holes and 6 threaded holes. It supports a maximum diameter of 88mm for the quick release.

Through Holes (6XΦ5)

Threaded Holes (6XM5)
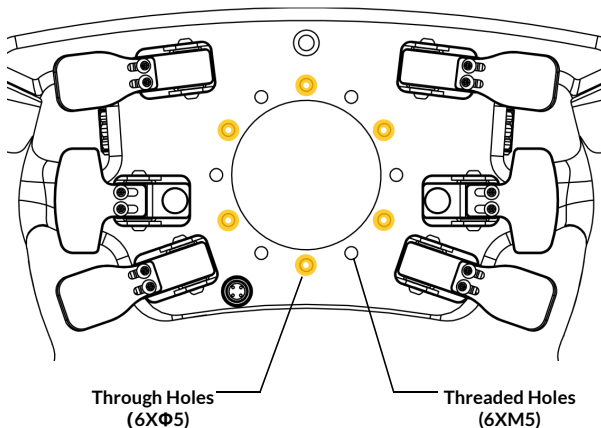
Note: The length of the bolt that extends into the steering wheel should not exceed 6mm, it is recommended to use M5X10 bolts. Using bolts that are too long may cause interference between the bolts and the PCB.

Install QR From Outside
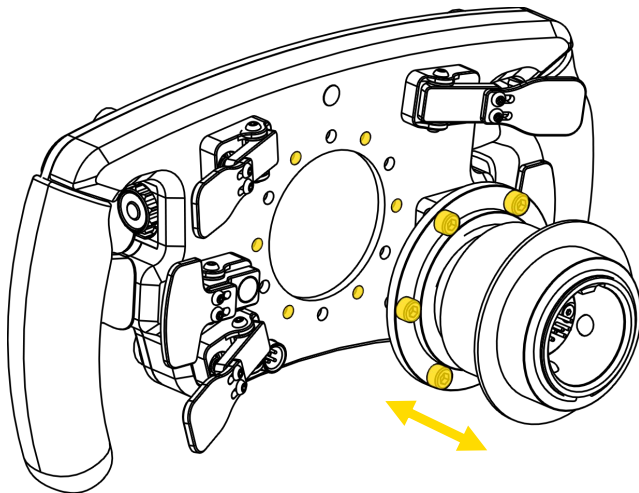
Note: Using any QR must and can only be powered and signaled to the XF1 Pro via the USB-XS9 cable.

Interface

18 RGB LEDs compatible with Simhub

800x480 IPS LCD compatible with Simhub

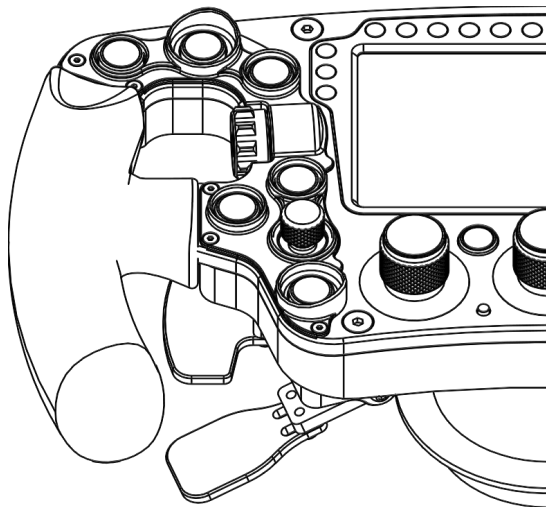16 Momentary button

2 Thumb rotary encoder

2 Front rotary encoder with push button

2 Multi-directional joystick with integrated encoder

2 Non-contact hall shifter paddle

2 Optional non-contact hall clutch paddle

2 Optional non-contact hall option paddle

Note: Keep in mind that on the page for the Windows USB Gaming device, some of the buttons will not show. This is due to the Windows graphic interface's limitation in detecting more than 32 buttons.

Paddle Adjustment

All paddles can be adjusted to meet the size requirements of different people. By adjusting the two screws of the paddles, move the paddles outward or inward, and then tightened securely with the screws.
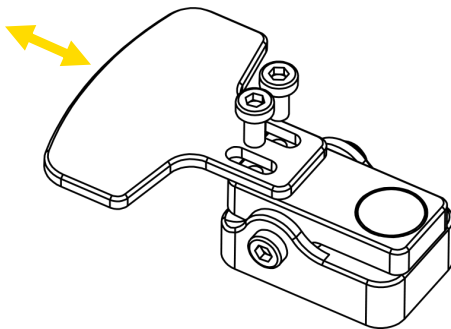
Note: The operating torque of the bolts should not exceed 3Nm.
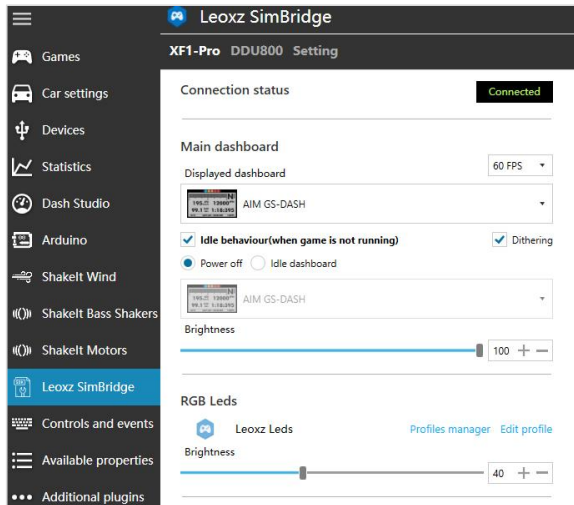
SimBridge Plugin For Simhub

XF1 Pro will be compatible with simhub through simbridge, enabling dashboard and LEDs customization. To use it, you need to place SimBridge in the Simhub installation directory and restart Simhub for it to take effect.
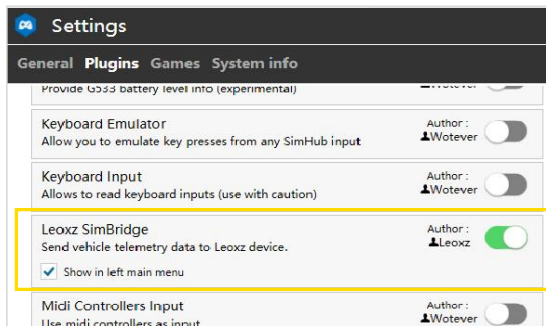
Note: You can download the latest version on the website www.leoxz.com.

Simhub Compatibility

XF1 Pro is a plug-and-play device, so you can connect it to SimHub without having to complicatedly install any drivers.

You can display various dashboards on screen and change brightness through SimHub, and you can also achieve various lighting effects by creating different profiles.

XF1 Pro uses a specially customized vocore screen, which can achieve 16bit color and 60FPS screen update rate through usb2.0.

When the dashboard has a complex or gradient image, enable "Dithering" to get a better display effect.

* Using 60FPS will have higher cpu usage than using 30FPS.

Paddles Functionality
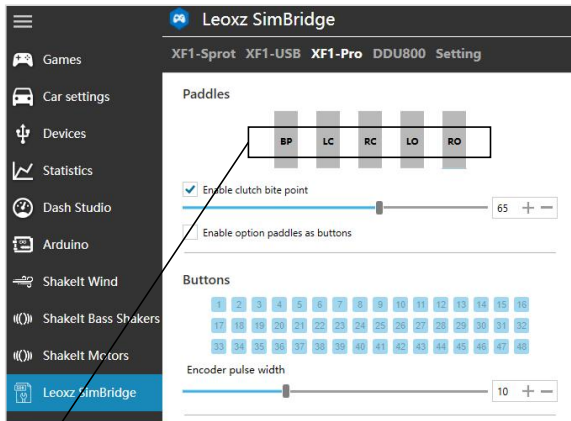
BP: Bite point value
LC: Left clutch paddle value
RC: Right clutch paddle value

LO: Left option paddle value
RO: Right option paddle value

The optional clutch paddles can be configured for axis mode and bite point mode.

The optional option paddles can be configured for axis mode and button mode.

All paddles have self-calibrate functionality to ensure high accuracy. This function requires that the paddles be pressed once (from minimum position to maximum position) each time the steering wheel is started.

Ensure the best encoder input by setting **Encoder pulse width**, a higher value will keep the pulse input longer, and a shorter value will ensure a faster response. 10 is an optimal value for most games.

Quick Controls
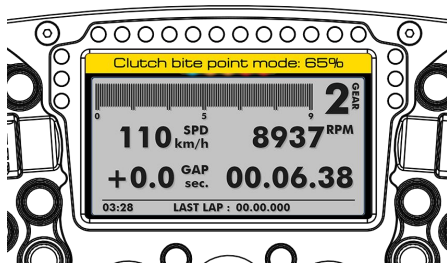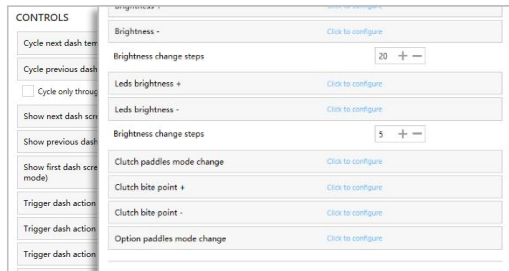
By binding any controller or keyboard input, you can quickly control the XF1 Pro dashboards switching, screen and LEDs brightness, clutch paddles and option paddles mode and bite point value.

When changing the paddles mode, setting the bite point and LEDs brightness through the quick control, there will be relevant prompts on the screen to ensure that you can get feedback at any time in the game.

Once a setup is done, parameter values are automatically saved in XF1 Pro.

Firmware Update

Through the "Setting" menu of Simbridge, you can check the current firmware version of XF1 Pro and update the latest firmware. Once the update is completed, XF1 Pro will automatically restart.
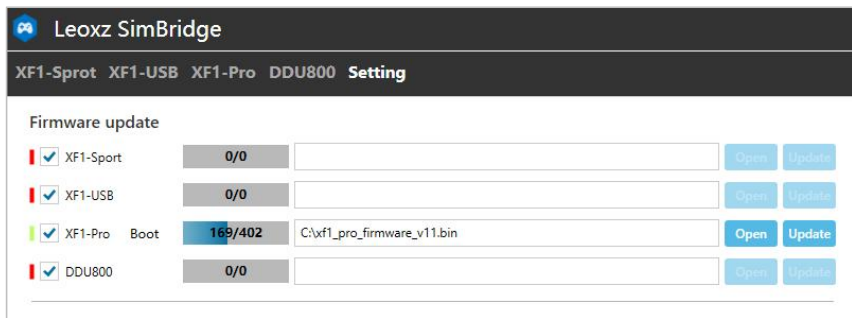
Note: You can download the latest firmware on the website www.leoxz.com. Do not operate the steering wheel during the update process, as it may cause unexpected errors.

Hardware Reset

If the firmware update fails and the steering wheel cannot start normally, please try hardware reset to force the steering wheel to enter Bootload mode and update the firmware again.
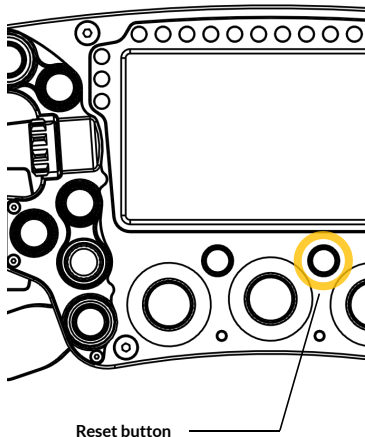
Reset button

1. Disconnect the power to the steering wheel to keep the steering wheel in a power-off state.

2. Press the Reset button.

3. While holding down the Reset button, insert the USB cable to start the steering wheel. If the button is still pressed when starting, the steering wheel will be forced into Bootload mode.

4. Try updating the firmware again.

www.leoxz.com

support@leoxz.com