

## Mounting and operating instructions for the JL-G25

Please read these instructions carefully before putting into operation.

### General

In the JL-G25 you have chosen a high-end steering wheel and belong to those simracers who view this sport as a hobby and not as a computer game.

You probably already have many thousands of racing kilometres with another steering wheel behind you.

Please remember that a new steering wheel is like a new pair of shoes – unfamiliar and perhaps strange at first. Tried and tested force feedback (FFB) settings may need to be changed. So please allow yourself enough time to experiment with these settings in order to find your personal optimum. Besides the adjustment options in the racing simulations, extensive options for fine adjustment of the FFB are offered above all by Race, GTR and rFactor in the 'driver's name'.plr or controller.ini files. If you are not an expert in this field yourself, you are sure to be able to get help in the relevant forums.

### Health notice

The JL-G25 can develop very high force feedback power. Please do not use your steering wheel as a fitness appliance. If the force feedback is adjusted too high your limbs may be overtaxed, especially during long races, leading to painful tension in the muscles. After effects can also not be ruled out in this case.

### Mounting the JL-G25

a) In a racing rig or on a table top in which holes can or may be drilled:

The steering wheel is provided with three fixing holes on the underside, whose positions can be transferred to the fixing surface using the drilling template provided.

If your racing rig has no fixing surface, but is constructed of profiles instead, I recommend that you acquire an aluminium plate of 3 to 5 mm in thickness, fix the steering wheel to this plate and then bolt the plate to the profiles.

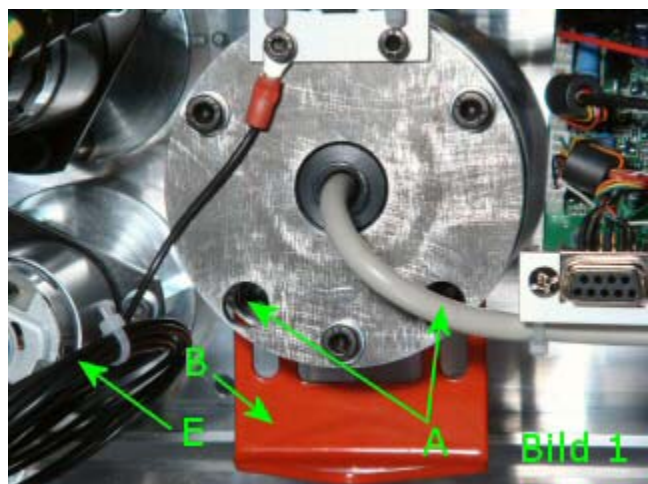
There are two possibilities to fix the steering wheel to a level surface.

#### 1. The steering wheel axis should be parallel to the fixing surface.

This is the way the steering wheel is delivered from the factory. Therefore you only need to follow the description below if you had previously mounted the steering wheel with the steering axis at an angle to the fixing surface and now wish to use the parallel setting again. In this case you can dispense with the profile strip provided. However, in order to ensure stress-free fixing, please proceed as follows:

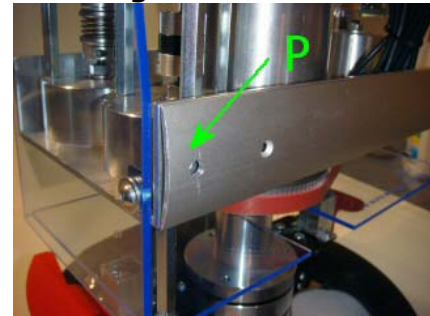
Loosen the fixing bolts **A** (fig. 1) on the rear bracket **B** (fig. 1) far enough so that the bracket can just be moved up and down.

Now tighten the two front bolts on the U profile. After that tighten the rear fixing bolt on the bracket. Now tighten the two bolts **A**.



## 2. The steering wheel axis should be at an angle to the fixing surface.

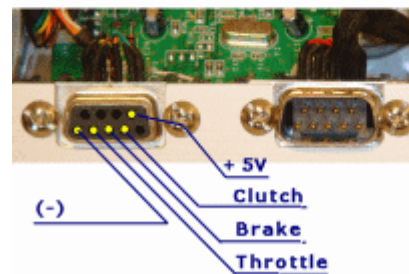
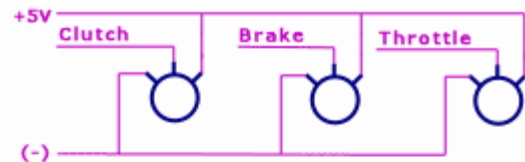
For this method it is recommended to drill the mounting holes in the fixing surface as slots. Place the profile strip **P** under the U profile and tighten the fixing bolts only loosely. Loosen the fixing bolts **A** (fig. 1) on the rear bracket **B** (fig. 1) and shift the bracket until the steering wheel is at the desired angle, then tighten the bolts **A** again. Now tighten the three fixing bolts evenly.



## Connections

The electrical connections are identical to those of the Logitech G25. You can connect both the pedals and the gear shifter by Logitech here.

It is possible to connect pedals other than those of the Logitech G25. However, it is important that the third-party pedals are fitted with 10 K $\Omega$  potentiometers. The Logitech pedal input can only process these potentiometer values. Fig. 1 shows the pin connections of the pedal input and how the potentiometers need to be connected.

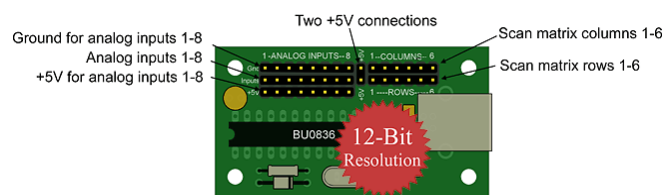


Before connecting the pedals, the G25 gear shifter, the power supply cable and the USB cable, please connect the black ground cable **E** attached to the rear of the steering wheel (fig. 1) to, for example, an enclosure screw on your PC. Make sure that this screw has a metallic, i.e. electrically conducting connection to the chassis of your PC.

The additionally attached controller (fig. 2) transmits the freely allocatable key functions on the steering wheel. Connect this controller to your PC using the USB cable included. The controller appears in the Windows Game Controller menu as 'JL-G25'.

The controller similarly has eight high resolution analogue inputs that are outstandingly well suited for the connection of pedals. Please note that the wiper connections of the potentiometers must always be connected to the middle row of pins - 'Analog inputs 1-8'. Further information on the possible ways to connect to the controller can be found at this website:

<http://www.leobodnar.com/products/BU0836A/>



## The driver menu

After installing the Logitech drivers from the included CD, you will find the Logitech driver menu under 'Settings' > 'Control Panel' > 'Game controller' in Windows. Select the Logitech driver from the list of drivers in the window and click on the 'Properties' button. The Logitech G25 offers the possibility to set the maximum steering wheel angle in the software. Values up to 900° are listed in the menu area.

**On account of the JL-G25's transmission ratio, these values no longer correspond to the actual steering angle of the JL-G25. The values displayed in the menu must be multiplied by a factor of 0.64 in order to determine the steering angle of the JL-G25. Example:  $900^\circ \times 0.64 = 576^\circ$**

The table below gives an overview:

<b>Desired steering wheel angle on JL-G25</b>	<b>Angle to be set in the driver menu</b>
210°	328°
240°	375°
270°	422°
300°	469°
330°	516°
360°	563°
390°	609°
420°	656°
450°	703°
480°	750°
510°	797°
540°	844°
576°	900°

### **Service**

If you have any questions or need help, you have the following possibilities to contact me:

E-mail: [info@neosid.de](mailto:info@neosid.de) (weekdays),  
[jlug-althoff@t-online.de](mailto:jlug-althoff@t-online.de) (weekend and public holidays)

Contact form: <http://www.jlvrh.de/Kontakt.htm>

Tel.: +49 2353-7159 (weekdays from 9 am to 4 pm)