

SVEN[®]

Game Racing Wheel

OPERATION MANUAL



GC-W600

www.sven.fi



Congratulations on the purchase of Sven game racing wheel!

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1. BUYER RECOMMENDATIONS

- Unpack the device carefully. Make sure there are no accessories left in the box. Check up the device for damage; if the product was damaged during transportation, address the firm which carried out the delivery; if the product functions incorrectly, address the dealer at once.
- Check up the package contents and availability of the warranty card. Make sure the warranty card has a shop stamp, a legible signature or the seller's stamp and purchase date, and the goods number corresponds to that in the warranty card. Remember: in case of warranty card loss or discrepancy of numbers you forfeit the right for warranty repairs.
- Before installing and using the speaker system, read this Manual carefully and keep it for future reference.
- Shipping and transportation equipment is permitted only in the original container.
- Does not require special conditions for realization.
- Dispose of in accordance with regulations for the disposal of household and computer equipment.

Technical support is on www.sven.fi.



2. DESCRIPTION

GC-W600 Game Racing Wheel is specially designed for PC. Ergonomic design with rubber coating and built-in vibration feedback mechanism ensures realistic driving in an autosimulator. Effect of vibration feedback imparts a feeling of speed and uneven road surface, vibration at swerves, collisions and crashes in games. Panel with brake and acceleration pedals makes it possible to gain speed or brake in a flash. Rubber suction caps provide secure fixation of GC-W600 to the table ensuring steadiness during games.

3. SAFETY PRECAUTIONS

- Do not disassemble or repair the device on your own. Maintenance and repairs should be carried out by qualified staff of the service centre only.
- Protect the device from direct impact of high humidity, dust, strong magnetic fields, vibrations, high temperatures, toxic liquids and gases.
- Instructions for device maintenance: for cleaning the case of the device please use clean soft cloth. Do not use such solvents as gasoline or spirit for cleaning, since these solvents can damage the surface of the device.
- Do not drop the device not to have it damaged.

4. PACKAGE CONTENTS

- Game Racing Wheel — 1 pc
- Pedal unit — 1 pc
- Software CD disk — 1 pc
- Operation manual — 1 pc
- Warranty card — 1 pc

5. SPECIAL FEATURES

- 2 motors for Vibration effects
- Wheel diameter – 10"
- Steering angle – 180 degrees
- Supports: Windows XP/Vista/7/8/10/PS3
- USB Interface
- Programmable buttons
- Built-in Vibration feedback for more realistic effect
- Two axes, D-Pad, Tiptronic lever for changing gears, 12 additional keys
- Rubber coating of the wheel for comfortable driving
- Rubber suction caps for secure fixation on the table
- Foot pedal unit included

6. SYSTEM REQUIREMENTS

- USB port PC, PS3
- Operational System Windows XP/Vista/7/8/10

7. DESCRIPTION OF THE CONSTRUCTION

- ① Racing wheel
- ② Rubber coating
- ③ D-Pad
- ④ Buttons 1, 4
- ⑤ Buttons 2, 3
- ⑥ Buttons 5, 6
- ⑦ Buttons 7, 8, 9, 10, 11, 12
- ⑧ Button MODE
- ⑨ Button PROG
- ⑩ Paddle shifters
- ⑪ Lever for changing gears
- ⑫ Brake pedal
- ⑬ Acceleration pedal
- ⑭ Foot pedal port
- ⑮ USB cable
- ⑯ LED indicators
- ⑰ Rubber suction caps

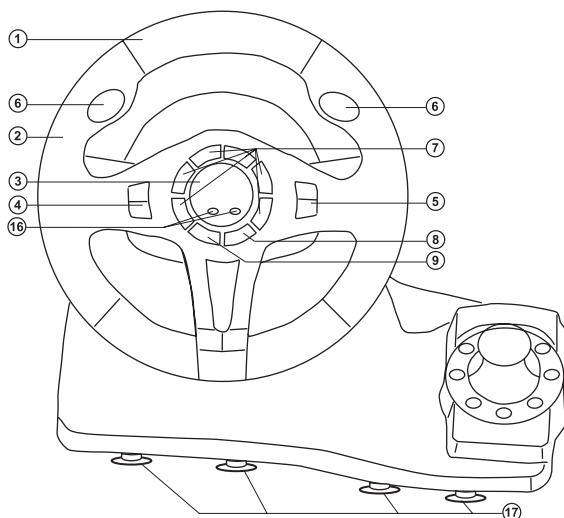


Fig. 1. Front view

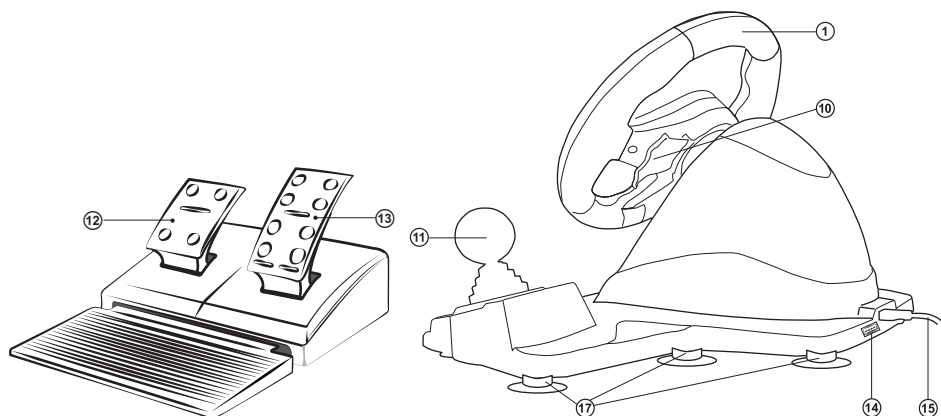


Fig. 3. Rear view

Fig. 2. Foot pedal unit

Operation Manual

GC-W600

8. CONNECTION AND INSTALLATION

- Install the device on even surface (for example, on a table) on its 8 suction caps.
- Connect pedal unit (Fig. 2) to the device via cable of the pedal unit to RJ-11 jack ⑭, then connect USB cable ⑮ of the device to the USB port of the computer.
- Insert Software CD disk into the disk drive of your PC and launch «Driver.exe» to install drivers on your PC. If your PC does not have a disk drive, download the software from the website <https://www.sven.fi/ru/>.
- In order to check and adjust the steering wheel, you need to open the «Devices and printers» tab in the Windows control panel (in the «XInput» mode, the steering wheel is displayed as «Xbox 360 Controller for Windows», in the «DirectInput» mode - «PS3 / PC Gamepad»), then right-click on the device icon and select «Game Device Settings» (administrator rights may be required) (Fig.4,5). The «Game devices» window will appear. In XInput mode, the steering wheel is displayed as «Controller (Controller (XBOX 360 For Windows))» (Fig. 6), in the «DirectInput» mode - «LS-USBMX 1/2/3 Steering ...» (Fig. 7). To switch between the «DirectInput» and «XInput» modes, you must press the «Mode» button for 5 seconds.
- To check and configure in XInput mode, select «Properties» in the «Game devices» window, the «Properties: Controller (XBOX 360 For Windows)» window will pop-up (Fig.8). In the «Verification» tab you can check the execution commands when you press the buttons and rotate the rudder. To calibrate the rudder, select the «Settings» tab, click «Calibrate» and follow the instructions.
- To check and configure in DirectInput mode, select Properties in the Game Devices window, and the Properties window: LS-USBMX1/2/3 Steering ... pops up. In the «Function Test» tab, you can check the execution of commands when you press the buttons and rotate the rudder, and also check the correct connection of the rudder to the PC in the «Connected State» line (Fig. 9).
- In the «Calibration» tab, the steering position can be centered (Fig. 10). To do this, set the steering wheel to the middle position, then press «Default» and «Set». After calibration, you must click «Accept» or «OK» on the bottom line of this window to save the changes.



Fig. 4



Fig. 5

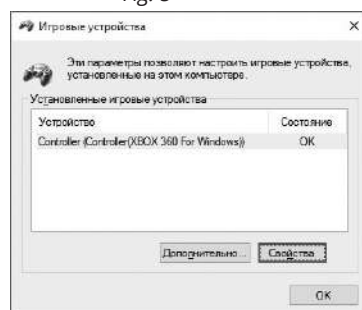


Fig. 6

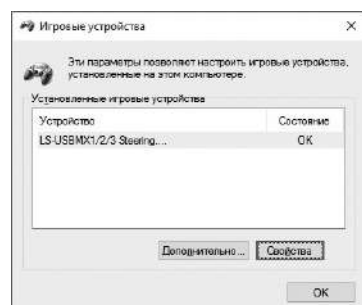


Fig. 7

• In the «Vibration Test» tab, you can check the operation of both vibrators together by pressing the «Both force» button; or separately, by pressing the «Left force» and «Right force» buttons (Fig. 11). To stop the test, press the «Stop» button. Moving the cursor in the row «Vibration strength» we can increase or decrease the force of vibration. To save the settings, click «Apply» or «OK» in the bottom line of this window.

• The «About» tab provides information about the version of the installed driver.

Note. Directly in games that support the function «Force Feedback», you can additionally adjust the level of feedback in different situations - in case of an accident, an obstacle or road sign, etc. To do this, in the settings window of a particular game, in contrast to the situations (Stick Volume, Road Effects, Collision, Engine, etc.), you need to make the appropriate changes.

• Work without pedals. The game steering wheel is equipped with jumper switches ⑩, replacing the gas pedal and braking: the left switch performs the braking function, the right one - the gas (acceleration).

• Programming buttons. The switch buttons, shift lever ⑪ and ⑫ buttons, as well as the gas and toroidal pedals, can be assigned the following buttons: ①-⑧.

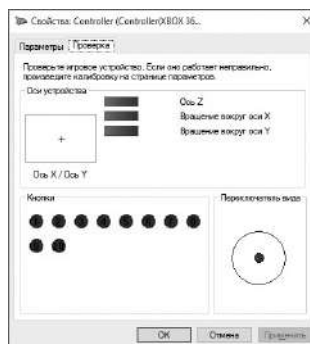


Fig. 8

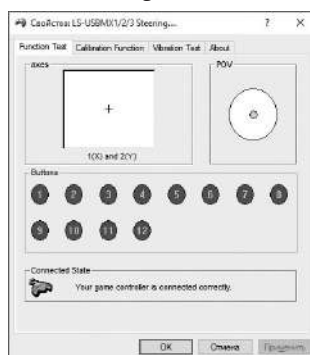


Fig. 9

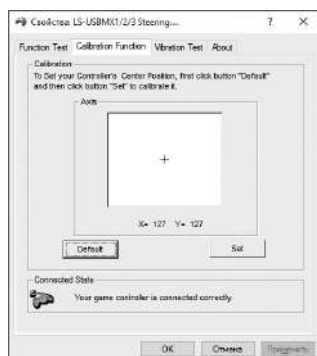


Fig. 10

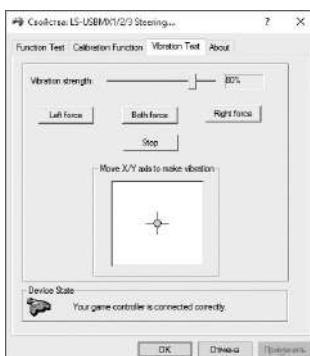


Fig. 11

The programming algorithm is as follows:

1. Press the «PROG» ⑨ button, the green work indication LED ⑩ (green LED) will light up.
2. Press the programmable button, the green LED will flash.
3. Press the button whose value you want to assign, while the green LED goes out. The programmable button is assigned a new value.

To return to the button the default values are:

1. Press the «PROG» ⑨ button, the green LED will light up.
2. Press the desired button, and the green LED will flash.
3. Press the desired button again, while the green LED goes out. The button is assigned the default value.

To return all pre-programmed buttons, the default values are:

1. Press the «PROG» ⑨ button, the green LED will light up.
2. Press the ⑩ key for 3 seconds until the green LED goes out. All buttons will be assigned default values.

Note: when the rudder is turned off from the PC, all settings will return to the default values.

To exit the programming menu (if no button was selected), simply press the «PROG» ⑨ button again.

Change of sensitivity of rotation of a rudder.

The steering wheel has three levels of sensitivity: low, medium and high.

The algorithm for changing the sensitivity level is as follows:

1. Press the ⑨ and ⑩ keys simultaneously for 3 seconds, while the green indication LED ⑩ (green LED).
2. Press the ⑨ button, the green LED flashing frequency will correspond to the set sensitivity level (see Note).
3. Press the ⑨ button again to change the sensitivity level, and the green LED flash frequency will correspond to the selected sensitivity level.
4. Press the «UP» button on the D-pad to save the setting.

Note: Each level of sensitivity corresponds to its own flashing frequency of the green LED: at a low level, the LED flashes slowly, at medium - it is measured, at high level - quickly.

- For use with PS3.

1. Connect the steering wheel to the PS3 console and connect the pedals to the handlebar.
2. Turn on the PS3 console.
3. The channel activation indicator will light when the connection is completed automatically.

9. TROUBLESHOOTING

Problem	Solution
After installation of the software, game controller does not work normally.	A. Check whether the controller's link cable is strongly connected to PC. B. Open the Properties window: Controller (Controller (XBOX 36 ...)) / Properties: LS-USBMX1/2/3 Steering ..., and check that the steering wheel is correctly connected. C. Check whether controller's settings have no conflicts with other peripherals' settings. D. Restart your PC, if the controller still doesn't work normally.
Motors have no vibration function in a racing game.	After exiting the game, disconnect the controller from the USB port and connect it again. If it still can't work normally, please restart the computer.
After entering the game, vibration feedback operates automatically.	Enter Force Feedback and calibrate it.
During the game vibration feedback is insufficient.	Enter Force Feedback and set force of feedback.

If none of the above mentioned solutions removes the problem, please refer to nearest authorized service center for consultation by qualified specialist. Never try to repair the device on your own.

Game Racing Wheel

SVEN®

Model: GC-W600

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