FANTECH

ENGLISH



R1V2 RACING WHEEL

What's included in the box

1. Fantech R1V2 Racing Wheel
2. Fantech R1V2 Gear Shifter
3. Fantech R1V2 Pedals
4. Clamp
5. Suction Cup
6. User Manual
7. Warranty Card

System requirements

1.Operating Systems: Windows XP/7/8/9/10, PS3, PS4, Xbox 360, Xbox One, Xbox Series S & X, Switch
2.USB 2.0/3.0 Port
3.Original Console Controller (For use with Console)

USER MANUAL

STEERING WHEEL

Model Number	: R1V2
Rotation	: 270° / 900°
Wheel Vibration	: Dual-Motor Vibration
Total Button	: 15 Button + D-Pad
Paddle Shift	: 2 Plastic Paddle Shift
Interface	: USB-A, AUX, RJ11*2
Cable Length	: 2 m PVC Cable
Weight	: 4900 ± 5 g
Size	: 10-inch (255 mm)
Power Rating	: 5V ⎓ 70mA
Compatibility	: PC, PS3, PS4, XBOX 360, XBOX ONE, XBOX SERIES X/S, SWITCH

GEAR SHIFTER

Total Gears	: 6+R with Brake and Low/High Gears for Truck/ Bus simulator
Connector	: RJ11 6-pin to Steering Wheel

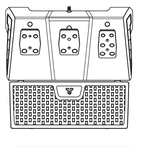
PEDALS

Total Pedals	: 3 (Clutch + Brake + Throttle), Detachable Pedals Surface
Version	: Hall Effect
Material	: Steel + Plastic
Connector	: RJ11 8-pin to Steering Wheel

SIZE



255 mm



379 mm

398 mm



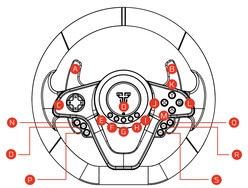
173 mm

102 mm

OVERVIEW

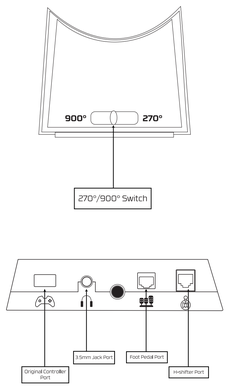
The R1V2 Wired Racing Steering Wheel is compatible with PS3/PS4/Xbox 360/PC/ Xbox One/Xbox Series X/S/Switch, featuring dual vibration motors, ergonomic design, and support for a 6+1 gear lever with three pedals and a clutch.

STEERING WHEEL FRONT PANEL DIAGRAM

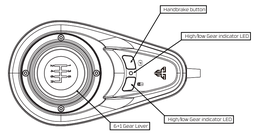


A. LEFT PADDLE/DOWN SHIFT
B. RIGHT PADDLE/UP SHIFT
C. D-PAD
D. LED INDICATOR
E. PROG
F. SHARE/9/VIEW/-
G. HOME/MODE
H. OPTIONS/10/MENU/+
I. SHARE KEY
J. □
K. △
L. ○
M. X
N. L1
O. L2
P. L3
Q. R1
R. R2
S. R3

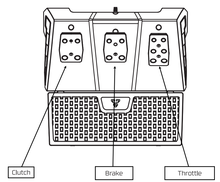
STEERING WHEEL BACK PANEL DIAGRAM



STEERING WHEEL BACK PANEL DIAGRAM



FOOT PADDLE DIAGRAM



Keys Correspondence sheet

Type	PS3	PS3	Xbox One	PC(X-INPUT)	PC(D-INPUT)	PC(Steering Wheel Mode)	SWITCH
Action keys	X	X	A	A	1	1	B
	○	○	B	B	2	2	A
	□	□	X	X	4	4	Y
	△	△	Y	Y	1	1	X
	R1	R1	RB	RB	6	6	R
	L1	L1	LB	LB	5	5	L
	R2	R2	RT	RT	8	8	ZR
	L2	L2	LT	LT	7	7	ZL
	L3	L3	SL	SL	11	11	L
	R3	R3	SR	SR	12	12	R
D-pad	UP	UP	UP	UP	UP	UP	UP
	DOWN	DOWN	DOWN	DOWN	DOWN	DOWN	DOWN
	LEFT	LEFT	LEFT	LEFT	LEFT	LEFT	LEFT
	RIGHT	RIGHT	RIGHT	RIGHT	RIGHT	RIGHT	RIGHT
Function keys	START	OPTIONS	MENU	START	10	10	+
	SELECT	SHARE	VIEW	BACK	9	9	-
			SHARE				
Steering Wheel Direction	Turn Left/ Right	Turn Left/ Right	Turn Left/ Right	Turn Left/ Right	Turn Left/ Right	Turn Left/ Right	Turn Left/ Right
Left Paddle	L2	L1	LB	LB	7	14	L
Right Paddle	R2	R1	RB	RB	8	15	R
Left pedal	□	Clutch	Clutch	LT	Y-	Y-	X
Middle pedal	○	L2	LT	LT	Y+	R2	B
Right pedal	X	R2	RT	RT	Y+	Z	A
HOME	MODE	MODE	XBOX Button	XBOX Button	MODE	13	HOME
PROG	Programming Key	Programming Key	Programming Key	Programming Key	Programming Key	Programming Key	Programming Key
Gear Left and Right	GEAR 1	L1	GEAR 1			17	L
	GEAR 2	R1	GEAR 2			18	R
	GEAR 3	L1	GEAR 3			19	L
	GEAR 4	R1	GEAR 4			20	R
	GEAR 5	L1	GEAR 5	GEAR 5		21	L
	GEAR 6	R1	GEAR 6	GEAR 6		22	R
	GEAR R	△	GEAR R	GEAR R		23	X
	+(Hold Down and Press)	□	Turn to Change Gear and Press to Change Gear	Turn to Change Gear and Press to Change Gear		24	Y
	Handbrake (Wheel)	○	PARKING BRAKE	PARKING BRAKE		16	A

FUNCTION INTRODUCTION

Program Fucntions(With Memory):

1. Programmable target keys include



L3/11/SL, R3/12/SR



H-pattern shifter



Left Paddle(L2/7/LB),
Right Paddle(R2/8/RB)



Left: Clutch Pedal
Middle: Brake Pedal(□/1/Y-)
Right: Gas Pedal(X/2/Y+)

2. Programming Source Key

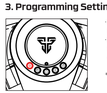


X: □/1/X/Y
^: X/2/A/B
D: ○/3/B/A
Y: △/4/Y/X



L1: L1/5/LB/L
L2: L2/7/LT/ZL
R1: R1/6/RB/R
R2: R2/8/RT/ZR

3. Programming Setting



· Press the "PROG" Button for 2 Seconds, and wait for the mode LED to Flash quickly.
· Press the button to reprogram, wait for the LED to flash, then press the new button to set it, and the LED will stay on.

* **Note:** As the programmed is memory-based, All programming setting will still be retained after the setting wheel is turned off.

4. Sensitivity Setting

Low Sensitivity:



· Press the "PROG" key for 2 seconds, which will result with the mode LED flashing.



· Press the down key of the D-pad once, then the sensitivity will be set to low. As a result, the red LED will be solid to indicate the setting is successful.

Medium Sensitivity:



Press the "PROG" key for 2 seconds, which will result with the mode LED flashing.



Press the left or right arrow button on the D-pad once, then the sensitivity will be set to medium. As a result, the red LED will be solid to indicate the setting is successful.

Hight Sensitivity:



Press the "PROG" key for 2 seconds, which will result with the mode LED flashing.



· Press the up button on the D-pad once, then the sensitivity will be set to high. As a result, the red LED will be solid to indicate the setting is successful.

* **Note:** Low sensitivity is set to default only on PC, while medium sensitivity is set to default on other platforms High sensitivity has no default and needs to be set manually.

5. Program Exit



· Press the "PROG" key for 2 seconds, which will result with the LED flashing and then press the "PROG" key again to exit, which means the previous data will remain unchanged.



· Press the "PROG" key for 2 seconds,which will result in the red LED flashing. At this time if there is no action, the wheel will automatically exit from the Programming mode.

6.Programming Clear



· Press the "PROG" key for 2 seconds, which will result in the mode LED flashing quickly.

· Press the programming source key once, the red LED will blink slowly. Press the programmed key once, the red LED will stay on, which will clear the current programming.

7. Programming Clear All



· Press the "PROG" key for 2 seconds, which will result in the mode LED flashing.



· Press and hold OPTION/10/MENU/+ key for 4 seconds, the red LED will stay on. This will reset the current or previous settings, including sensitivity, to the default factory settings.

3-Pedal Introduction:

1. The foot pedal includes a clutch which can only be used in games with a clutch or manual transmission mode.
2. The left pedal is the clutch, the middle pedal is the brake, and the right pedal is the gas.
3. If the game does not support the clutch function, the clutch pedal will not have any function or may function as a brake.
4. In games that support the clutch function, if the clutch is set and pressed the vehicle will not move when pushing the gas or the brake pedal.

How to use the H-Shifter:

1. Connect the 6+R gear shift lever to lock the steering wheel in protocol mode, requiring a game to function.
2. The LO-HI button on the right switches between low (1-6) and high (7-12) gears. A short press toggles the gears, with the gear indicator LED turning on for high gears.
3. Switching between high and low gears requires game support (currently only available in truck games).
4. The "⊕" button on the left is for the handbrake. Press and hold to engage, release to disengage (requires game support or in-game settings).

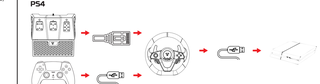
HOW TO CONNECT

PS3



* After start up, the steering wheel automatically connects to the PS3, and pressing the HOME button once opens the PS3 menu, while holding it for 2 seconds shuts it down.

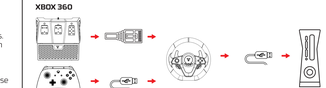
PS4



* Insert the matching pedal cable into the steering wheel, then connect the powered -off PS4 controller to the designated USB port on the steering wheel base. After powering on the PS4 and connecting the steering wheel cable to the PS4's USB port, the blue indicator on the steering wheel and the controller's light will stay on, indicating a successful connection, allowing you to start the game or adjust PS4 settings.

* Insert the PS4 controller USB cable into the steering wheel's guide USB port to start the pairing process (ensure the controller is off).
* After connecting the gear shifter, it switches to steering wheel mode and works only in supported games, with no vibration in this mode.

XBOX 360



* After connecting, the red LED on the steering wheel lights up. Press the "HOME" button to return to the main menu, or hold it for 2 seconds to enter shutdown settings.

XBOX ONE



* After connecting, the green LED on the steering wheel and Xbox One controller light up, allowing game start or settings; press "HOME" for the main menu, hold for 1 second to shut down, press Y for quick search, and use the gear shifter in supported games.

PC



* X-INPUT Mode (Only when the H-Shifter is not connected):
Upon start up, the device automatically enters X-Input mode, indicated by a red LED light. Hold the "HOME" button for 3 seconds, and the light will flash 3 times to switch to D-INPUT mode. Press the "HOME" button for 3 seconds again to switch back to X-INPUT mode, and this cycle repeats.

* D-INPUT Mode Installer:
Download the driver from our website. Connect the steering wheel USB to the computer and go to control
Panel > Devices and Printers > right-click "Game Controller Settings" and open properties.

***Note**: Installation path and method may vary depending on the system, follow the on-screen instructions.

* Driver Name: Fantech R1V2 Racing Wheel.

* Calibration: Enter the testing interface to check the buttons and steering wheel functions, adjust rotation, and test pedal vibrations as needed

SWITCH



* Connect the steering wheel's USB to the Nintendo Switch (dock or via Type-C).

* Once connected, the red LED lights up, and the wheel is ready for use. Press "Share/9/View" and "Options/10/Menu/+" to take a screenshot. When connected to a PC with Windows 10/8/7, it automatically switches to PC X-input mode.

XBOX SERIES X/S



* After connecting, the green LED on the steering wheel and Xbox Series X/S controller light up, allowing game start or settings; press "HOME" for the main menu, hold for 1 second to shut down, press Y for quick search, and use the gear shifter in supported games.

TROUBLESHOOTING:

1. The mode light does not light up: When the steering wheel is plugged into the console, please re-plug it or check whether the controller can work normally.
2. When the steering wheel does not respond and the console screen does not move: The console may crash unexpectedly, please restart the console.
3. When the steering wheel is not operated properly in the game: Please reconnect the steering wheel. Pay attention when you unplug the gear shift lever and reinsert it, you need to exit the game and re-enter. The gear shift lever function is only supported in games that support steering wheel mode.
4. When connecting the controller, the controller must be turned off to prevent the controller from being connected to the host and lead to unsuccessful guidance.
5. Because the programming function has memory, if you feel that the key position is wrong, please clear it according to the "Program Function - Program Clear Section".
6. If the direction or foot pedal is not in place or does not return, please correct it according to the following methods.
   · Press the "L1+L2+R1+R2" buttons at the same time, and which will result in the LED blinking fast.
   · Gently turn the wheel to the left and continue until the wheel reaches the maximum position. The LED indicator will flash twice per second to indicate this has completed.
   · Gently turn the wheel to the right and continue until the wheel reaches the maximum position. The LED indicator will flash three times per second to indicate this has completed.
   · Push the right foot pedal to the maximum position and the LED indicator will flash 4 times per second to indicate this has completed.

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