

# Nitro Rave

## Manual

USER MANUAL  
**NITRORAVE**  
GAMING CONTROLLER

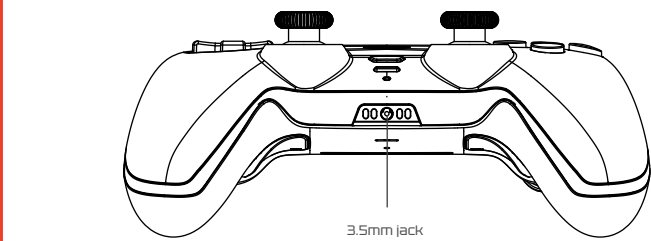
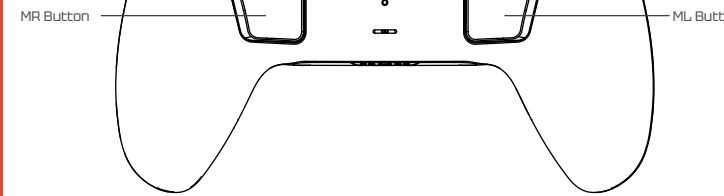
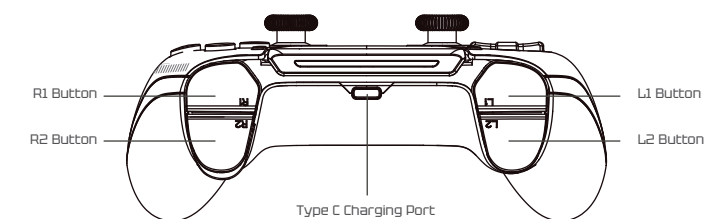
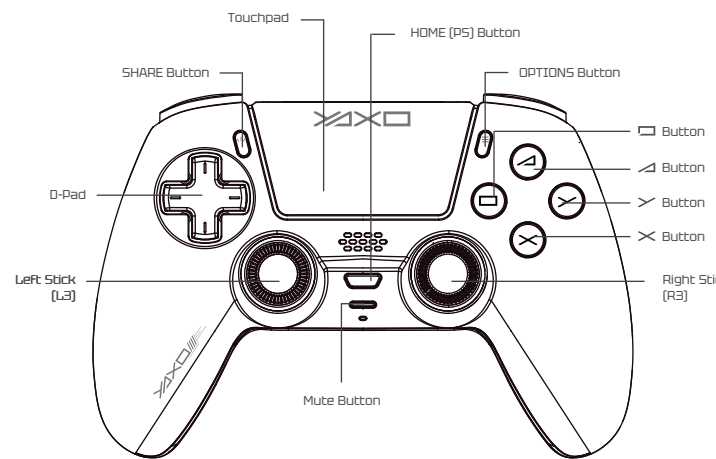


### Product Overview

The Nitro Rave controller is Bluetooth controller for the PS5 console and PC. It uses new motion sensing technology, built-in three-axis gyroscope and three-axis accelerometer, and a 6-axis sensor function. The Nitro Rave also adds new functions, including a pressable dual-point capacitive sensing touchpad on the front. The controller has several built-in output connection ports, including a 3.5mm TRRS stereo jack that can connect headphones and microphones, allowing users to receive and transmit audio at the same time. It supports vibration functions for both left and right handles. In addition, the controller is also equipped with a Type-C USB connection port, which can be connected to the PS5 console and PC to control the game. The Nitro Rave controller is also equipped with a RGB can display various colors. Different colors can be used to represent different user players, and can be used as prompts for important messages such as reduced health of game characters, etc.

### Technical Specifications

Compatibility: PS5/PC /IOS/Android/PC Steam  
Connectivity: Bluetooth V5.3/Wired Type-C  
Total Number of Buttons: 22 digital buttons (Up, Down, Left, Right, >, <, ×, □, L1, R1, L2, R2, L3, R3, Share, Options, Mute, Home, TouchKey, Turbo, Reset on the back, programming buttons ML and MR on the back, and two 3D joysticks)  
Input Voltage: 5V, 500 mA  
Working Voltage: 5V, 200 mA  
Overvoltage protection: 5.8V  
The battery charging protection: NTC  
Battery Capacity: 1000 mAh  
The Bluetooth connection distance: over 10 [m]  
Product Size: 160 x 106.6 x 68.1 [mm]  
Product Weight: 250 [g]  
Product Material: ABS



### Connection method

#### PS5 console:

1. Use the included Type-C cable to connect the controller to the PS5 console. And then pressing the [HOME] button on controller. The LED will turn solid to indicate successful connection.
2. Remove the Type-C cable and press [HOME] button briefly to reconnect in wireless.
3. Re-connection: Press and hold the [HOME] button on the controller until the light bar starts flashing.
4. The controller supports multiple Bluetooth devices and supports wired connection with the PS5 console.
5. After different controllers are connected to the PS5 console, the LED light displays different colors to distinguish different users (1P: blue 2P: red 3P: green 4P: pink).

#### PC connect:

Wired Connection  
Plug controller into PC through the USB cable. The default mode is PS5 mode, recognized by PC for "DualSense Wireless Controller". Indicator LED will be on. Under this mode, PC Steam platform and headphone function are available.  
Press [Share] + [Options] for 5s to switch modes between PS5 mode and X-input Mode.

Mode	Device Name	LED Indicator Color
PS5 Mode	DualSense Wireless Controller	Blue
X-input Mode	Xbox 360 Controller For Windows	Green

#### Bluetooth Connection

Open computer settings, choose "Bluetooth & devices"  
Press and hold the [Share] + [HOME] button of the controller for 5s.  
Select [DualSense Wireless Controller].  
There are stay-on LED light when connected successfully.

#### IOS connect:

The controller supports Apple devices with IOS 13.0 and higher version, allowing compatibility with games available on the Apple Store.

Press and hold [Share] + [HOME] buttons for 3s, the LED will flash. Connect to the game controller via the Bluetooth settings on your device, recognized by Bluetooth name for "DualSense Wireless Controller". When connected, the LED indicator will be on.

Note: Bluetooth devices work with limited functionality. For example, buttons and some games may not work as expected.

#### Android Devices connect:

Press and hold [Share] + [HOME] buttons for 3s. The controller will enter pairing mode and LED indicator will flash. Search for the Bluetooth name "DualSense Wireless Controller" on android device and tap to connect. The light on the controller will turn to on when connected.

### Other function

#### Mute

Short press [Mute] button to turn on/off micro on headphone, LED under [Mute] button will light on.  
Press and hold [Mute] button for 2s to turn off all audio function, LED under [Mute] button will blink in breath style. Press [Mute] button again to turn on audio function. LED will be off.

### LED setting

#### Light Mode Change:

Hold [Options] + press [Left] of Dpad or [Right] of Dpad to change light mode.

#### Mode sequence:

Ice Blue -> Blue -> Purple -> Red -> Orange -> Yellow -> Green -> White -> Breathing Light  
Mode -> Colorful Rainbow -> Turn off

#### Light Brightness Change:

Hold [Options] + [Up] of Dpad or [Down] of Dpad

### Programming

#### Programmable buttons:

>, <, ×, □, L1, R1, L2, R2, L3, R3, direction keys, left and right 3D

#### Start Macro:

Open computer settings, choose "Bluetooth & devices"  
Press and hold the [TouchKey] + [ML] or [MR] button simultaneously for 3s until the controller LED flashes with vibration feedback.  
Select [DualSense Wireless Controller].

#### Set Macro:

Press the action button which you need to set in turn, the macro will record the button press intervals. Up to 24 buttons can be programmed in a macro.

#### Complete Macro:

After setting up, press [ML] or [MR] once to complete the macro setting.

#### Clean Macro:

Hold [TouchKey] + [ML] or [MR] for 5s, the LED will flash and with vibration feedback.

After entering the macro editing mode, if no key is pressed for 5 minutes, the previous setting will be maintained, and the editing mode will be automatically exited.

Note: When leaving the factory, the programming key has no function, and the user needs to set the programming by himself.

\* [TouchKey] is the function of pressing down of touchpad

### Calibration function

#### 3D joysticks and trigger calibration:

If the controller has just been assembled and has not been calibrated, the channel light will flash quickly when the USB is powered on or the [HOME] button is pressed to turn on. At this time, press the trigger [L2/R2] 2-3 times normally, shake the left and right 3D 2-3 times each, and finally press and hold the [>] button for 1 second to confirm. The channel light will stay on [wired] or start to flash slowly [Bluetooth]. At this time, the calibration is successful. Shut down to save.

If the controller has been calibrated before and needs to be recalibrated, insert the USB when the controller is turned off. The channel light will flash quickly. At this time, press the trigger [L2/R2] normally 2-3 times, shake the left and right 3D for 2-3 circles each, and finally press and hold the [>] button for 1 second to confirm. The channel light will stay on [wired] or flash slowly [Bluetooth], and the calibration is successful. Shut down and save.

### Axis calibration

Connect to the PS5 console or PC, press and hold the [Share] + [□] button for three seconds, and the channel light will flash to calibrate successfully.

### Sleep and wake up

If the controller fails to communicate with the PS5 console or PC within 15 seconds in the search state, the controller will enter the sleep state. In the online state, there is no key for about 10 minutes and the 3D joystick has no large movement, and the controller enters the sleep state.  
Press [HOME] to wake up the controller when it is asleep - the sleep time without operation can be set on the PS5 console or PC.

### Charging

When the controller is turned off and charging, it will be displayed in the form of breathing light, the color is orange, and the light will go out after it is fully charged.

### Low power alarm

When the battery voltage of the controller is lower than 3.65V (based on the battery characteristics principle) in the online state, the LED on controller flashes 3 times to indicate low voltage.  
If the voltage is lower than 3.5V, the controller will automatically shut down.

### Reset function

When the controller is abnormal, you can reset it by pressing the reset button on the back of the controller.

### Default key value table

BUTTON	PS5	PC
UP	UP	UP
DOWN	DOWN	DOWN
LEFT	LEFT	LEFT
RIGHT	RIGHT	RIGHT
>	X	A
<	O	B
□	□	X
△	△	V
L1	L1	LB
R1	R1	RB
L2	L2	LT
R2	R2	RT
L3	L3	L3
R3	R3	R3
Share	Create key	Back
Options	Option key	Start
Mute	Mute key	Mute button
TouchKey	TouchKey	FN
Home	PS	PS
Left joystick	Left joystick	Left joystick
Right joystick	Right joystick	Right joystick

### Firmware Update Instruction

If the controller disconnects after a PS5 console update, firmware update is required. Download the latest driver from our website: [www.yaxo.us/download](http://www.yaxo.us/download)

Perform the update on a Windows PC following the instructions provided. Press and hold the [△] button when the controller is turned off and then use the USB cable to plug into the PC. The controller enters the wired upgrade mode, open the upgrade tool, and then select BT Wireless, click Update to upgrade.

### Cover replacement

1. Place the controller on a flat surface.
2. Hold the controller by its bottom.
3. At the marked point, pry the front cover until the latch releases.
4. Repeat this process around the entire circumference of the front cover.
5. Install the new front cover by pressing in the latches located on the cover's circumference.

