

porodo



Porodo Gaming
PS4 Wireless Controller
with 6-Axis Gyro Sensor
& an Ergonomic Design

SKU: PDX628

Table of Contents

Product Overview	2
Features	3
Instructions for Use	3
1. PS4 Platform Function	3
2. Description of the Six-Axis	4
3. Standard Operation in PS4 mode	5
4. Sensor Calibration	5
5. LED Indicators	5
6. Turbo Function	5
7. RGB Light Settings	6
PS4 / PS3 Online Mode	6
Switch Host Online Mode	7
PC Connection Mode	8
Instructions for Connecting to PC	10
Steam Deck Connection Mode	11
iOS 13.0 and Above Connection Mode	12
Android Connection Mode	13
Mac Connection Mode	13
PC Bluetooth X-INPUT Mode	14
Specifications	14
Warranty	15
Contact Us	15

Before installing and using the product, please carefully read this User Manual to guarantee correct usage and keep it secure for future reference.

Product Overview

The Controller is a gamepad with LED Light Patterns designed for the PS4 console. The Bluetooth connectivity of this gamepad extends up to 10 meters. Enhanced with advanced motion-sensing technology, it incorporates a built-in three-axis gyroscope and a three-axis accelerometer, collectively forming a comprehensive 6-axis sensor system. This technology allows for precise detection of dynamic movements, including Roll (left and right tilt), Pitch (front and rear tilt), and Yaw (left and right rotation). Moreover, it captures three-dimensional spatial coordinates (X, Y, and Z), facilitating rapid data transfer to the game system. Through this innovative motion-sensing capability, players can execute complex maneuvers and special operations within the game. The product also features a two-point capacitive sensor trackpad located on the front of the controller. It is equipped with several output ports, including a 3.5mm TRRS stereo jack that supports simultaneous connection of a headset and microphone. Additionally, the controller has a Type-C USB port, enabling a direct connection to the console and PC for seamless game control.



Features

Standard keys: HOME, Share, Option, ↑, ↓, ←, →, ×, ○, □, △, L1, L2, L3, R1, R2, R3, VRL, VRR, RESET, Turbo, programming key PL/PR, setting key SET:

1. The controller boasts stable performance, exceptional cost-effectiveness, and is compatible with any software version of the PS4 console.
 2. Features Bluetooth 5.3 connectivity to the host, supports BOB authentication.
 3. Offers delay-free control with an online distance capability within 10m.
 4. Equipped with 3D acceleration and gyroscope sensor functions, incorporating a 6-axis sensor. Supports the Turbo function.
 5. Features RGB LED color channel indication, which is useful for distinguishing between different users and roles.
 6. The Bluetooth connection mode mirrors that of the original controller.
 7. Supports USB lithium battery charging.
 8. Includes a 3.5mm TRRS stereo port for connection to headphones and a microphone.
 9. Features a double-point capacitive inductive touch pad.
 10. Supports both wired connections and host connections, along with a wired audio function.
 11. Choose to use standard PS4 features, similar to the original controller features, and compatible with PC via driver installation, no driver required for Windows 7 and Android 5.0 or higher.
 12. The product features wide operating voltage range and low sleep current; operating voltage current: 3.7V-50mA, USB input voltage current: 5.2V-1000mA.
- Note:** This solution includes support for PC USB online product upgrades, ensuring compatibility with the latest system updates for the PS4 host. This feature helps to prevent issues where the product becomes unusable due to updates to the host system.

Instructions for Use

1. PS4 Platform Function

Six-axis Function: This feature includes both a 3D Sensor and a G-Sensor.

2. Description of the Six-Axis

X axis: X axis acceleration movement (X + / X- direction movement), the action is left → right, right → left; the games that utilize this feature include 'NBA07 Basketball'.

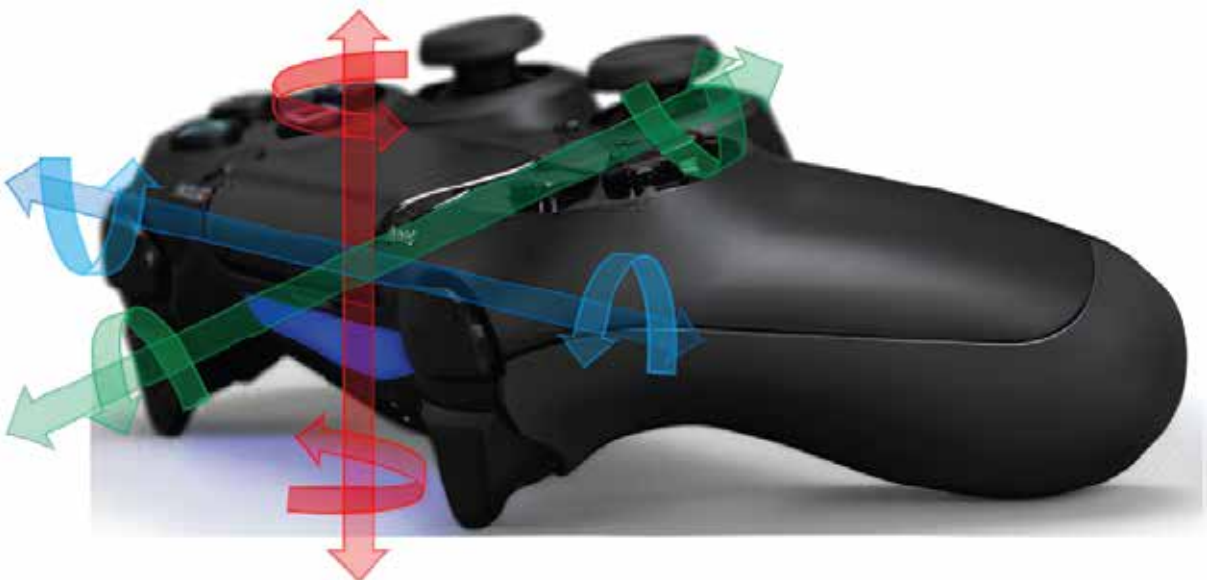
Y axis: Y axis acceleration movement (Y + / Y- direction movement), the action is front → rear, rear → front; the games that utilize this feature include 'NBA07 Basketball'.

Z axis: Z axis acceleration movement (Z + / Z- direction movement), the action is up → down, down → up; the games that utilize this feature include 'NBA07 Basketball'.

Roll axis (left and right tilt): Rotates forward and backward with the X-axis as the center axis, the action is horizontal → left tilt, horizontal → right tilt; the games that utilize this feature include 'BLAZING ANG' aircraft, 'TONY HAWK'S' skateboard, 'GENJI magic way', 'RIDGE RACER' car.

Pitch axis (front and rear tilt): Tilt left and right with the Y-axis as the central axis, the action is horizontal → forward tilt, horizontal → back tilt; the games that utilize this feature include 'BLAZING ANG' aircraft, 'TONY HAWK'S' skateboard, 'GENJI magic play chaos'.

Yaw axis (left and right rotation): Rotate left and right with the Z axis as the central axis, the action is horizontal → left rotation, horizontal → right rotation; the games that utilize this feature include 'NBA07 basketball', 'TONY HAWK'S' skateboard'.



3. Standard Operation in PS4 mode

In the PS4 console, the controller can fully realize any function in the game, including basic digital and analog keys, as well as six-axis SENSOR function and LED color display function. Specific games can also support a vibration function. When connected to the host, the controller not only supports Bluetooth wireless functionality but also supports wired and host connections. Users can play games while charging, thus enjoying uninterrupted gameplay.

4. Sensor Calibration

A. The SENSOR calibration has been automatically completed during PCBA testing, and no further calibration is required for subsequent production.

B. Connect the switch and use the calibration mode provided by the host to calibrate the controller in the settings. If the sensor of the controller exhibits jumping or drifting, place the controller flat on the desktop, press and hold the (SHARE+X) key for 2 seconds, and sensor verification is completed once the controller vibrates.

5. LED Indicators

If the controller fails to establish online communication with the PS4 host within 15 seconds while in search mode, it will enter a sleep state. If no keys are operated and the 3D joystick remains largely unmoved for 10 minutes during an active online session, the controller will also enter sleep mode. To wake the controller, press the PS button; sleep duration settings are adjustable via the host.

Note: While charging, the controller's LED will emit a breathing orange light. The light turns off once the controller is fully charged.

6. Turbo Function

Turbo Target Buttons: X, O, □, △, L1, L2, R1, R2, L3, R3, UP, DOWN, LEFT, RIGHT.

Operation Method: To activate the Turbo function, long press the "□" target key, then press the Turbo key to enable Turbo operation on the "□" target key. After the controller is powered off, the previously set Turbo function settings will not be saved, and the controller will revert to its initial state with a frequency of 10s/s.

7. RGB Light Settings

7.1 Simultaneously pressing the LIGHT + R3 keys (right joystick down, handle vibrates once) toggles the lighting mode. Each press cycles through different modes: dazzling color transformation, monochrome constant brightness, monochromatic cycling breathing, and monochromatic breathing.

7.2 While in dazzling color transformation mode, simultaneous pressing of the LIGHT + L3 keys (left joystick down) pauses the current dazzling lighting effect mode.

7.3 In monochrome constant brightness mode, pressing LIGHT + L3 keys (left joystick down) switches the light color.

7.4 When in monochrome cycling breathing mode, pressing LIGHT + L3 keys (left joystick down) pauses the current breathing state, then pressing again resumes the monochrome cycling breathing mode.

7.5 While in monochromatic breathing mode, simultaneous pressing of the LIGHT + L3 keys (left joystick down) switches between different colors for the monochromatic breathing effect.

7.6 Adjust the brightness in breathing mode by simultaneously pressing LIGHT + (UP / DOWN directional keys). Each combination adjusts brightness; LIGHT + UP increases brightness, while LIGHT + DOWN decreases brightness.

7.7 Press and hold the L3 + R3 keys for 3 seconds to toggle the RGB light on or off.



PS4 / PS3 Online Mode

A. Initial Connection

1. If the controller has never been connected to the current PlayStation host or has been connected to a different host previously, begin by using a USB cable to establish a connection with the PS host. During this wired communication, the system will automatically verify the necessary codes.

2. For wireless connection, press the HOME key after the initial setup. This action enables the controller to connect via Bluetooth.

3. To confirm a successful USB connection, press the HOME button. The controller's LED light will then display a steady color, signifying that the host is connected.

B. Connectivity and Compatibility

The PlayStation host supports multiple Bluetooth devices and also offers wired connections. Additionally, it is fully compatible with both PS4 and PS3 series games. Once various controllers are connected to the host, the LED lights on each controller will display different colors to uniquely identify each user.

1. PS4 Controller Colors

- Player 1: Blue
- Player 2: Red
- Player 3: Green
- Player 4: Light Pink

2. PS3 Controller Colors

- Player 1: Red
- Player 2: Green
- Player 3: Blue
- Player 4: Light Pink
- Player 5: Orange
- Player 6: Green
- Player 7: White

Switch Host Online Mode

A. Connecting the Controller to the Switch Host

If the controller is not currently connected to the Switch host and needs to be connected:

1. Wired Connection

Begin by using a USB cable to establish a wired connection with the Switch host. During this communication process, the system will automatically synchronize and code. Simply press any button on the controller; this action will trigger a vibration, confirming the connection. The controller can then be used for game operations. Note that the wired mode also supports audio headphones.

2. Bluetooth Connection

When the controller has been previously connected via a wired connection, disconnect the USB cable to switch to a Bluetooth reconnection mode. It typically takes 2-3 seconds to connect to the host. If the controller has never been connected

to the current PlayStation host or if the host is powered off, press and hold the 'Options+HOME' buttons together for three seconds. The channel light will flash rapidly, indicating that the controller is entering pairing mode. At this point, the host's pairing interface will be activated, allowing you to connect to the host and begin playing the game within 3-2 seconds. The controller will vibrate once to confirm the connection. Once various controllers are connected to the host, the LED lights will display distinct colors to differentiate between users:

- Player 1: Blue
- Player 2: Red
- Player 3: Green
- Player 4: Light Pink

Long press the combination key for 3 seconds



PC Connection Mode

A. Wired Connection

1. The controller connects to the computer using a USB cable. Upon connection, the computer will automatically install the necessary drivers. This controller supports both X-input and PS4 wired audio for fifth generation controllers. After establishing a USB wired connection, the controller defaults to PS4 wired audio. To switch to X-input mode, press and hold the Share and Option buttons simultaneously for 3 seconds.

2. Display Names on PC

X-input Mode: Identified as "Xbox Wireless Controller" with the LED light

displaying green.

PS4 Wired Mode: Identified as "Wireless Controller," with the LED light showing blue.

B. Wireless Connection

1. Setting Up:

Turn on Bluetooth on your laptop and allow the computer to search for Bluetooth devices.

2. Pairing the Controller:

Ensure the controller is turned off initially. To begin pairing, hold the SHARE button, then press the HOME button (SHARE + HOME). Keep both pressed for 3 seconds until the white light flashes, indicating the controller is in pairing mode. Release the buttons to complete the process.

Long press the combination key for 3 seconds



3. Adding a Bluetooth Device on Windows:

Click "Start" in the lower left corner of the computer screen, select "Devices and Printers," then click "Add Device" to search for and connect to Bluetooth devices.

4. Completing Bluetooth Pairing:

The device will appear in the Bluetooth pairing list as "Wireless Controller". Click on the device to proceed with the connection and select the next steps.

5. Finalizing the Connection:

After selecting "Next", the computer will automatically pair with and connect to the controller, and proceed to install the necessary driver.

6. Confirmation of Successful Connection:

After the driver installation, the controller light will remain on, indicating that the Bluetooth connection to the computer is active and the controller is ready for use.

7. Turning Off the Controller:

To power off the controller, press and hold the HOME key for 10-8 seconds. The controller will turn off once the light goes out.

Instructions for Connecting to PC

1. Setting Up the Wireless Receiver:

Please install and insert the USB wireless Bluetooth receiver into the PC first. Once the receiver is connected to the host computer, it will automatically install the necessary driver.

2. Pairing the Controller:

When the controller is off, first hold the SHARE button, then press and hold the HOME button (SHARE + HOME). Continue pressing both for 3 seconds until the white light flashes, indicating that the controller has entered the pairing mode. Then release the buttons.

Long press the combination key for 3 seconds



3. Searching for Bluetooth Devices:

Click "Start" in the lower left corner of your computer, then select "Devices and Printers." Next, click "Add Device" to search for and connect to Bluetooth devices.

4. Selecting the Device for Connection:

The device will appear in the Bluetooth pairing list under the name "Wireless Controller". Click on the device to select it and proceed to the next step.

5. Finalizing the Connection:

After selecting "Next", the computer will automatically pair with and connect to the controller, and proceed to install the necessary driver.

6. Confirmation of Successful Connection:

After the driver installation, the controller light will remain on, indicating that the Bluetooth connection to the computer is active and the controller is ready for use.

7. Turning Off the Controller:

To power off the controller, press and hold the HOME key for 10-8 seconds. The controller will turn off once the light goes out.

Steam Deck Connection Method

A. Bluetooth Connection

1. Initiating Pairing:

With the controller powered off, hold the SHARE button and then press the PS button (SHARE + PS) simultaneously. Hold both for 3 seconds to enter the pairing mode, indicated by a flashing white light.

2. Connecting to Steam Deck:

Open your Steam Deck and search for the Bluetooth device named "Wireless Controller". Click to connect. Upon successful connection, the light on the controller will remain constantly on. If the controller cannot connect, it will automatically shut down and enter sleep mode within 60 seconds.

3. Turning Off the Controller:

When the controller is connected and needs to be turned off, hold the PS button for 10 seconds.

B. Wired Connection

1. Connecting via USB:

Use a Type-C adapter to connect the controller to the Steam Deck host. Insert the controller's USB connector into the adapter. Use an OTG support, type-C to USB 2.0, cable for MacBook. Once inserted, the connection will be established.

2. Audio Functionality in Wired Mode:

Wired mode supports an audio function, which is available when the controller is set to either PS4 wired or X-input mode.

iOS 13.0 and Above Connection Mode

The DualShock 4 controller supports connecting to Apple devices running iOS 13.0 and higher. It enables game controls for apps available in the Apple Store, is compatible with the iOS operating system, and supports games like Metal Slug 3, My World, Wild Race 8, among others.

1. Device Compatibility Check: First, ensure that your iPhone or iPad has been upgraded to iOS 13 or above.

2. Pairing the Controller:

With the controller powered off, press and hold the SHARE button, then press the HOME button (SHARE + HOME). Continue holding both for 3 seconds. This action puts the controller into pairing mode, indicated by the white light flashing.

3. Connecting the Controller to iPhone & iPad:

Accessing Bluetooth Settings: Open the settings on your iPhone or iPad, select the "Bluetooth" option, and ensure Bluetooth is enabled.

Pairing the Controller: Locate the "DUALSHOCK 4 Wireless Controller" in the list of devices and click to connect. The controller's light will remain continuously on once connected. If the device fails to connect, the controller will automatically shut down and enter sleep mode within 60 seconds.

Turning Off the Controller: To power down the controller when connected, press and hold the PS key for 8-10 seconds.

Android Connection Mode

1. Initiating Pairing:

With the controller turned off, hold the SHARE button first, then press the PS button (SHARE + HOME) simultaneously. Continue to hold these for 3 seconds until the controller enters the pairing mode, indicated by a flashing white light.

2. Connecting to Android Device:

Turn on your Android device and open the Bluetooth settings. Search for the Bluetooth name "Wireless Controller" and select it to connect. The controller's light will remain continuously on to indicate a successful connection. If the device cannot connect, the controller will automatically shut down and enter sleep mode within 60 seconds.

3. Turning Off the Controller:

When connected to the host and you need to power off the controller, press and hold the PS button for 10 seconds.

4. Supported Games:

This connection method supports a variety of games including Grape Arcade, About War, Metal Slug 2, Dinosaur Strike, Contra, and others

Mac Connection Mode

1. Navigate to "System Preferences" and choose "Bluetooth".

2. If Bluetooth is already enabled, disable it first. Then, press and hold the power button on the device for about 5-10 seconds until the Bluetooth indicator starts flashing, indicating it's in pairing mode. For controllers, ensure they're turned off. Press and hold the SHARE button, then press the SHARE+HOME combination for 3 seconds until the controller's white light blinks. In Bluetooth preferences, your Mac will detect the Controller as "PLAYSTATION(4)Controller" in the Bluetooth device list. Click on it to successfully pair and connect.

3. Utilize the Type-C adapter to connect the controller directly to the Mac computer via USB. This wired mode also enables audio functions.

Long press the combination key for 3 seconds



PC Bluetooth X-INPUT Mode

In the powered-off state, press the X+P4 key combination within 2 seconds to initiate pairing mode. The white LED indicator will flash rapidly. Next, activate Bluetooth on the PC to search for devices. Locate and click on the device named "Xbox Wireless Controller" in the device list to establish the pairing. Upon successful pairing, the corresponding white LED light will remain continuously lit, indicating that the controller has entered X-INPUT mode. WINDOWS 10 can be utilized directly, while WIN7 requires the installation of the corresponding driver to enable X-INPUT functionality.

Specifications

1. Electrical parameters

All voltage references are grounded at GND, with an ambient temperature of 25°C.

Parameter	Symbol	Condition	Least	Typical Value	Unit
Working Voltage	Vo	Overall Unit	Value	-	V
Working Current	Io	Overall Unit	3.4	50	mA
Dormant Current	Isp	Overall Unit	-	20	μA
Motor Current	Im	Extent	-	-	mA

2. Limit rating value

All voltage references are grounded at GND, with an ambient temperature of 25°C.

Parameter	Symbol	Rating	Unit
Input Voltage	USB V_{IN}	5.5	V
Input Current	USB I_{IN}	1000	mA
Operating Temperature	T_J	0 to 40	°C
Storage Temperature	T_{STG}	-20 to 60	°C

Warranty

Products that you buy directly from our **Porodo** website or shop come with a 24-month warranty.

When you buy **Porodo** products from any of our approved sellers, you only get a 12-month warranty. If you want to extend this warranty, go to our website at **<https://porodo.net/warranty>** and fill out the form with your information. Don't forget to upload a picture of the product too. After we've checked and accepted your request, we'll send you an email to confirm that your product's warranty has been extended.

For more info, please check:

<https://www.porodo.net/warranty>

Contact Us

If you have any questions about this Privacy Policy, please contact us at:

info@porodo.net

Website: **porodo.net**

Service Support: **support@porodo.net**

Instagram: **[porodo](https://www.instagram.com/porodo)**