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# **GuliKit ES PRO**

# **GuliKit ES PRO Wireless E-sports Game Controller**

Instruction Manual

Introduction Features Setup Operating Maintenance Troubleshooting Specifications Warranty & Support

# 1. Introduction

The GuliKit ES PRO is an advanced wireless e-sports game controller designed for competitive gaming. It features ultra-low wireless latency, magnetic TMR joysticks for anti-drift performance, and broad compatibility across multiple platforms. This manual provides essential information for setting up, operating, maintaining, and troubleshooting your GuliKit ES PRO controller.



Figure 1: GuliKit ES PRO Wireless Game Controller (Black)

# 2. KEY FEATURES

• World's Fastest Wireless Speed: Utilizes GuliKit Hyperlink 2 technology for revolutionary wireless dynamic channel selection. Achieves 3.25ms latency with 730Hz polling rate in Bluetooth mode on PC, and 1.87ms latency with 1000Hz polling rate in wired mode.





Figure 2: GuliKit ES PRO highlighting 3.25ms wireless latency.

• Instant Switch 1 / 2 Wake-up: Supports waking up Nintendo Switch and Switch 2 consoles directly from sleep mode.



Figure 3: GuliKit ES PRO controller with Nintendo Switch and Switch 2 consoles, illustrating wake-up support.

• **Broad Device Compatibility:** Compatible with PC Windows, Switch 2, Switch, Switch Lite, Switch OLED, Steam Deck, ROG Ally/ROG Ally X, Android, iOS, and macOS.



Figure 4: Rear view of the GuliKit ES PRO controller, indicating compatibility with PC, Android, iOS, macOS, Switch, and Switch 2.

• **Upgraded TMR Joysticks:** Features Tunnel Magnetoresistance electromagnetic thumbsticks for anti-drift, long-lasting durability, and 4000-level high precision.

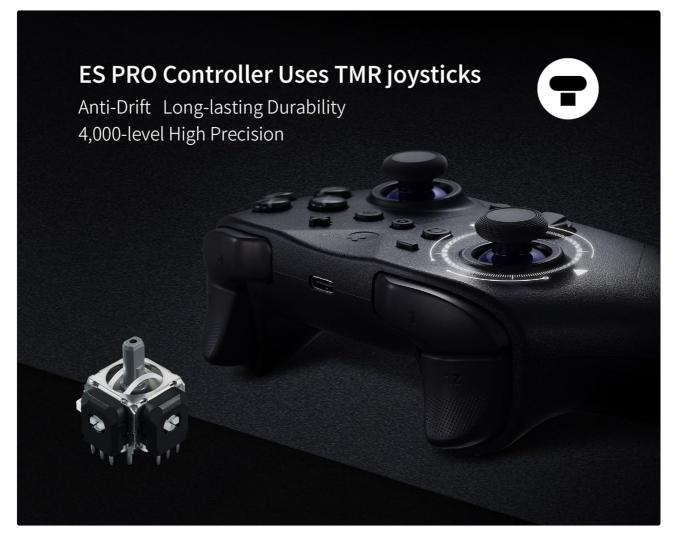


Figure 5: Close-up of the GuliKit ES PRO controller's TMR joysticks, emphasizing anti-drift and high precision.

• 256-Level Hall Effect Triggers: Provides superior precise analog response for triggers.



Figure 6: Close-up of the GuliKit ES PRO controller's Hall Effect triggers, showcasing their precise analog response.

• Long-lasting Rechargeable Battery: Equipped with a 950mAh battery, offering up to 30 hours of usage with minimal standby drain. Features quick recharging and an auto-sleep function after 15 minutes of inactivity.



Figure 7: Diagram illustrating the 950mAh battery capacity of the GuliKit ES PRO controller.

Advanced Customizable Functions: Supports joystick sensitivity and vibration adjustment, Turbo function, 6-axis
gyroscope motion control on Switch, patented Gyro Motion Aim for PC FPS gaming, joystick dead-zone on/off, Dpad 8/4-direction mode, and physical ABXY SWAP (Switch-layout key-caps not included). Customization can be
done directly on the controller or via the GuliKit web-based tool.

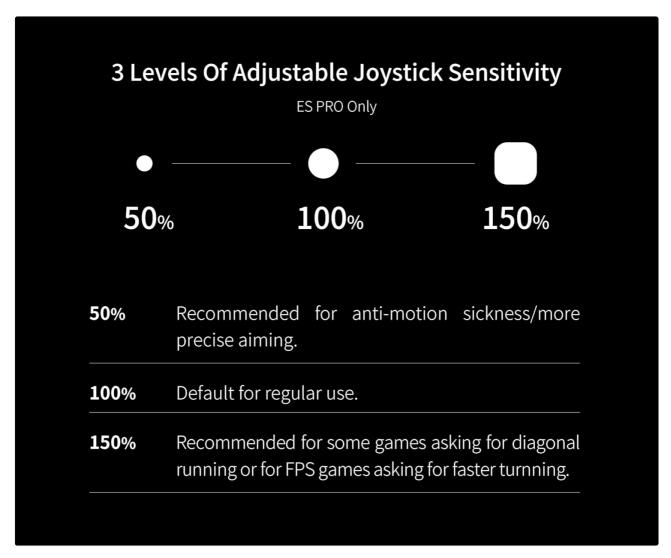


Figure 8: Chart showing 3 levels of adjustable joystick sensitivity (50%, 100%, 150%) for the ES PRO controller.



Figure 9: Overview of advanced features including non-physical A-B/X-Y button swap, Gyro Motion Aim, D-pad direction support, and Turbo function.

• Tactile Switch D-pad: Provides sensitive and accurate directional input.



Figure 10: Close-up of the GuliKit ES PRO controller's tactile switch D-pad, emphasizing its sensitivity and accuracy.

# 3. SETUP GUIDE

# 3.1 Initial Charging

Before first use, fully charge the GuliKit ES PRO controller using the included USB-C cable. Connect the cable to the controller's USB-C port and the other end to a USB power source (e.g., computer USB port, wall adapter). The charging indicator will show the charging status.



Figure 11: GuliKit ES PRO controller connected via USB-C cable, illustrating wired and Bluetooth mode support.

# 3.2 Firmware Update

It is highly recommended to update the ES PRO controller to the latest firmware (V2.8 or newer) from the official GuliKit website before use. Firmware updates often include performance improvements and bug fixes, such as addressing latency issues on iOS and Android devices in PC mode.

# 3.3 Pairing Instructions

### 3.3.1 PC (Windows) Pairing

- 1. Set the controller to PC mode using the switch on the back.
- 2. Turn on the controller.
- 3. Hold the pairing button for 2 seconds until the indicator flashes quickly.
- 4. On your PC, go to Bluetooth & other devices settings and add a new Bluetooth device. Select the GuliKit ES PRO controller to pair.
- 5. For optimal performance on Windows 10/11, disable "Show notifications to connect using 'Swift Pair'" in Bluetooth settings. This can reduce latency by 50-300Hz.
- 6. When connecting multiple devices to one Bluetooth adapter, bandwidth sharing may lower polling rates. For optimal performance, use one adapter per controller.
- 7. Use 5GHz Wi-Fi to avoid 2.4GHz interference with Bluetooth, which may reduce polling rates.

### 3.3.2 Nintendo Switch / Switch 2 Pairing (with Wake-up)

To enable Switch 2 wake-up capability, follow this specific pairing method:

- 1. Set the controller to NS mode using the switch on the back.
- 2. Turn on the controller.

- 3. Hold the pairing button for 2 seconds until the indicator flashes quickly to start pairing.
- 4. Set your Switch 2 console into sleep mode first (black screen).
- 5. Press the HOME button on a Joy-Con to wake the screen.
- 6. Next, enter the controller pairing interface on your Switch 2 and pair the GuliKit ES PRO.

Note: Pairing by the regular method without setting Switch 2 into sleep mode first will result in pairing but without Switch 2 wake-up support.

# 3.3.3 Android, iOS, and macOS Pairing

Pairing with Android, iOS, and macOS devices is done in PC Mode on the back of the controller. Follow the standard Bluetooth pairing procedure for your device after setting the controller to PC mode and initiating pairing.

# 4. OPERATING THE CONTROLLER

# 4.1 Switching Modes

The controller features a mode switch on the back to easily toggle between different compatibility modes (e.g., PC, NS). Ensure the correct mode is selected for your target device.

# 4.2 Adjustable Joystick Sensitivity (ES PRO Only)

The ES PRO allows adjustment of joystick sensitivity to three levels:

- 50%: Recommended for anti-motion sickness or more precise aiming.
- 100%: Default setting for regular use.
- 150%: Recommended for games requiring faster turning or diagonal running, particularly in FPS games.

Refer to the controller's direct customization instructions or the GuliKit web-based tool for details on how to adjust this setting.

#### 4.3 Turbo Function

The controller supports semi-auto and full-auto Turbo functions for various buttons (A/B/X/Y/R/ZR). Consult the controller's specific button combination instructions for activation and deactivation.

# 4.4 Gyroscope Motion Control

- 6-axis Gyroscope: Supported for motion control in compatible Switch games.
- Patented Gyro Motion Aim: Available for PC FPS gaming, allowing for faster and more precise aiming.

#### 4.5 D-pad Modes

The D-pad can be switched between 8-direction and 4-direction modes. This feature can be useful for precise weapon swapping in FPS games. Refer to the controller's direct customization instructions for mode switching.

# 4.6 Physical ABXY SWAP

The controller supports physical swapping of ABXY key-caps to match different layouts (e.g., Switch layout). *Note:* Switch-layout key-caps are not included in the package and must be purchased separately.

#### 5. MAINTENANCE

### 5.1 Battery Care

- To prolong battery life, avoid fully discharging the controller frequently.
- Store the controller in a cool, dry place when not in use for extended periods.
- The auto-sleep function after 15 minutes of inactivity helps conserve power.

### 5.2 Cleaning

Use a soft, dry cloth to clean the surface of the controller. For stubborn dirt, a slightly damp cloth can be used, but ensure no moisture enters the controller's ports or openings. Do not use harsh chemicals or abrasive cleaners.

### 5.3 Storage

When storing the controller, especially for long periods, ensure it is turned off. Keep it away from extreme temperatures, direct sunlight, and high humidity.

# 6. TROUBLESHOOTING

# 6.1 Controller Not Connecting/Pairing

- Ensure the controller is charged.
- Verify the mode switch on the back of the controller is set to the correct platform (PC, NS).
- Ensure the controller is in pairing mode (indicator flashing quickly).
- On your device, remove any previous pairings of the controller and attempt to pair again.
- Restart both the controller and the device you are trying to connect to.

#### 6.2 Latency Issues

- Firmware: Ensure the controller has the latest firmware installed from the GuliKit website.
- Wi-Fi Interference: If using 2.4GHz Wi-Fi, consider switching your Wi-Fi network to 5GHz to minimize interference with the controller's Bluetooth signal.
- PC Settings: On Windows, disable "Show notifications to connect using 'Swift Pair'" in Bluetooth settings.
- Multiple Bluetooth Devices: If multiple Bluetooth devices are connected to a single adapter, consider using a
  dedicated Bluetooth adapter for the controller.

# Much Faster Less Delay More Stable

	Wired	Bluetooth
GuliKit ES/ES PRO Controller	1000Hz polling rate 1.87ms latency	730Hz polling rate 3.25ms latency
PS5 Controller	250Hz polling rate 7.81ms latency	700Hz polling rate 5.58ms latency

#### Note:

- · Latency test was conducted using third-party open-source tool GPDL.
- . Tested with standard built-in laptop Bluetooth® (Intel® and Realtek®).
- The delay test data for the PS5 controller and Xbox Series controller was obtained through public testing using the third-party tool 'gamepadla.com'.

#### 1000Hz Wired Polling Rate

Xbox Series Controller



#### 730Hz Bluetooth Polling Rate



#### 1.87ms Wired Average Latency



#### 3.25ms Bluetooth Average Latency

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- For Win10/Win11 Bluetooth devices, disable [Show notifications to connect using "Swift Pair"] in settings. Enabling this adds ~1ms latency and reduces report rate by 50-300Hz.
- When connecting multiple devices to one Bluetooth adapter, bandwidth sharing may lower polling rates. For optimal performance, use one adapter per controller.
- Use 5GHz Wi-Fi to avoid 2.4GHz interference with Bluetooth, which may reduce polling rates.

Figure 12: Comparison table of polling rates and latencies for GuliKit ES/ES PRO, PS5, and Xbox Series controllers, along with polling rate test results.

# 6.3 Joystick Drift

The GuliKit ES PRO features TMR joysticks designed to be anti-drift. If you experience any joystick drift, ensure the

controller's firmware is up to date. If the issue persists, a recalibration might be necessary via the GuliKit web-based tool or specific controller button combinations (refer to GuliKit's official support resources).

# 6.4 Switch 2 Wake-up Not Working

Ensure you followed the special pairing method for Switch 2 wake-up as described in Section 3.3.2. The Switch 2 must be in sleep mode before initiating the pairing process from the controller and then waking the console with a Joy-Con.

### 7. Specifications

Feature	Specification	
Model Number	ES PRO	
Dimensions	5.9 x 3.9 x 2 inches	
Weight	11.3 ounces	
Battery Capacity	950mAh	
Battery Life	Up to 30 hours	
Connectivity	Wireless (GuliKit Hyperlink 2, Bluetooth), Wired (USB-C)	
Wireless Latency (Bluetooth PC)	3.25ms (730Hz polling rate)	
Wired Latency	1.87ms (1000Hz polling rate)	
Joystick Type	Magnetic TMR (Tunnel Magnetoresistance)	
Trigger Type	Hall Effect (256-level)	
Compatibility	PC Windows, Switch 2, Switch, Switch Lite, Switch OLED, Steam Deck, ROG Ally/ROG Ally X, Android, iOS, macOS	

### 8. WARRANTY AND SUPPORT

# 8.1 Warranty Information

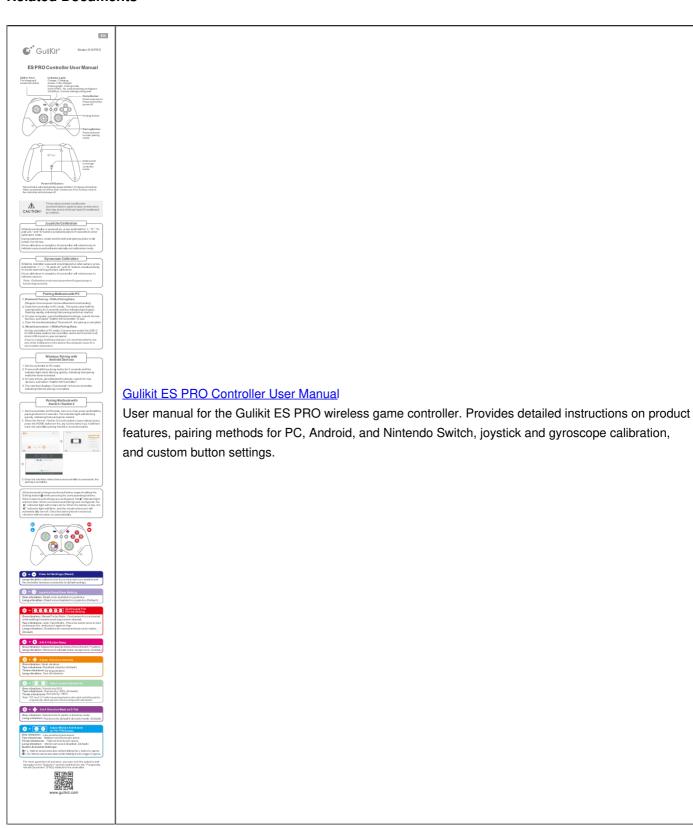
The GuliKit ES PRO controller comes with a manufacturer's warranty. Please refer to the warranty card included with your product or visit the official GuliKit website for detailed warranty terms and conditions specific to your region.

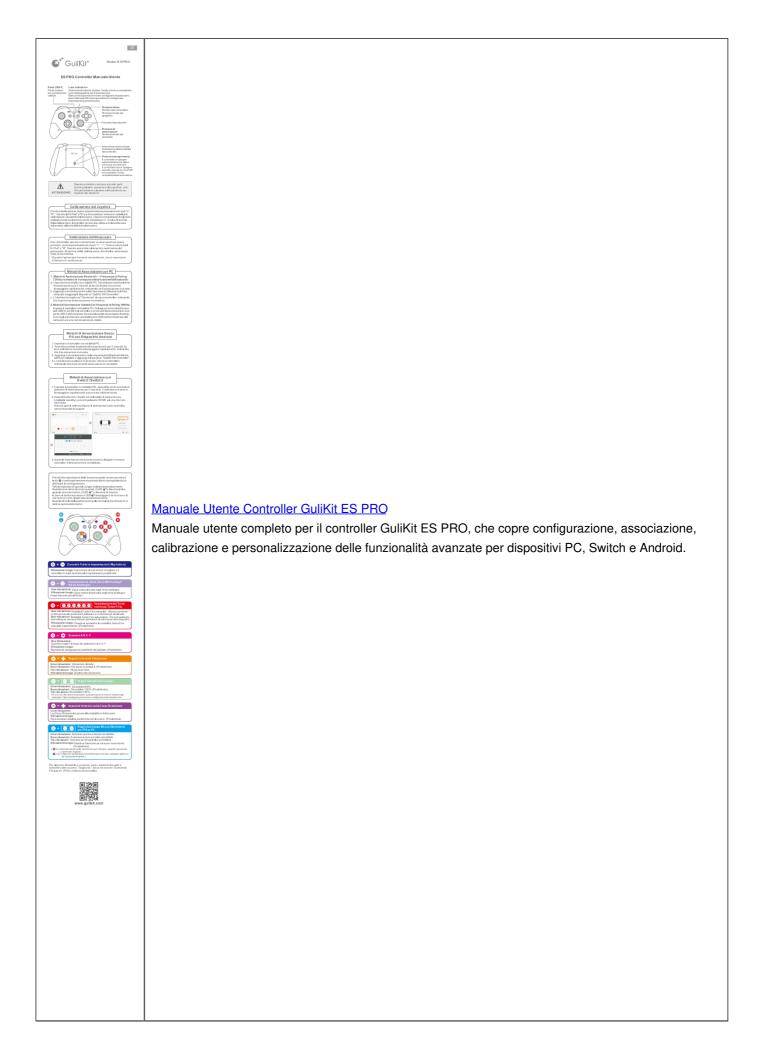
# **8.2 Customer Support**

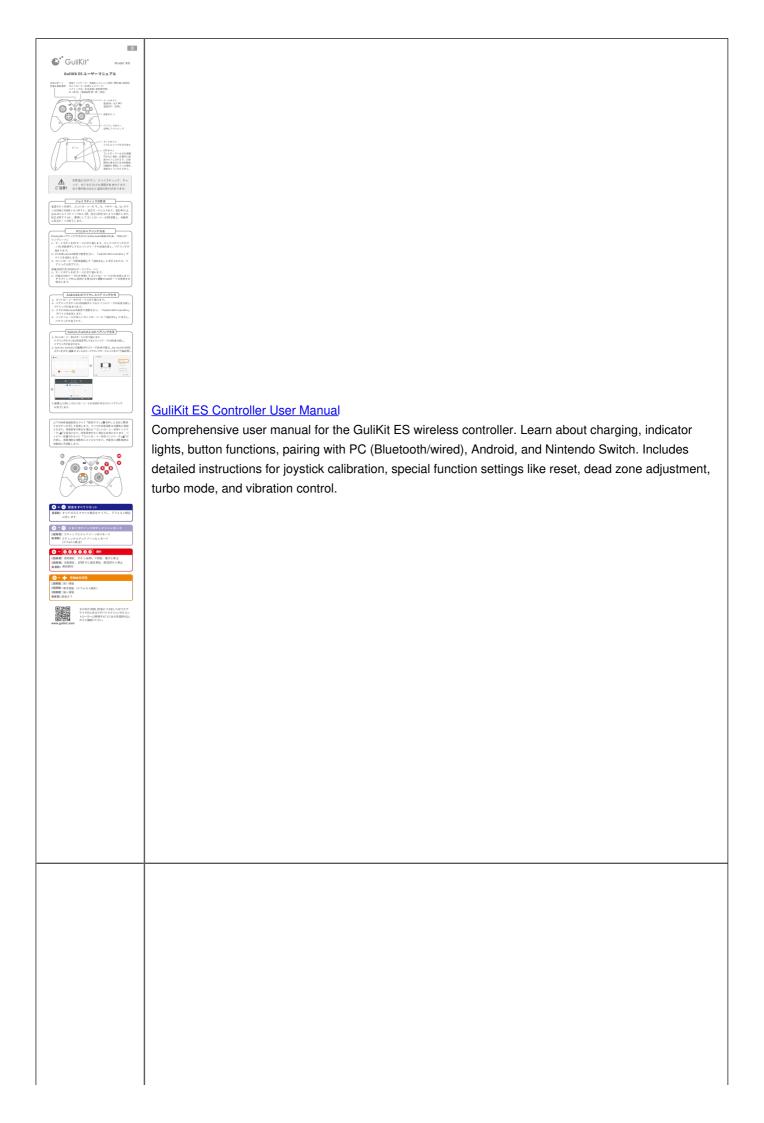
For technical assistance, troubleshooting beyond this manual, or warranty claims, please contact GuliKit customer support through their official website. Ensure you have your product model number (ES PRO) and purchase details ready when contacting support.

Official GuliKit Website: www.gulikit.com

# **Related Documents**





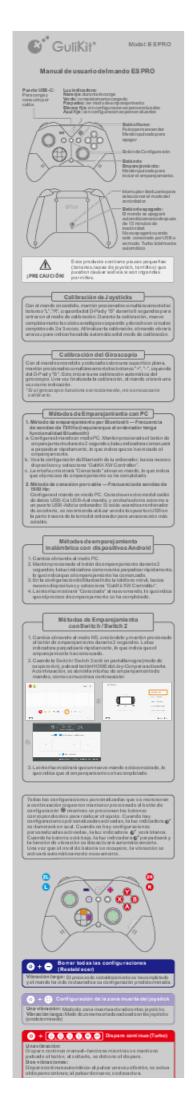




# GuliKit ES Controller User Manual - Setup and Features

Comprehensive user manual for the GuliKit ES Controller, covering setup, pairing with PC, Android, and Nintendo Switch, joystick calibration, and custom setting configurations.

ES



### Manual de Usuario del Mando GuliKit ES PRO

Manual de usuario para el mando GuliKit ES PRO, que cubre características, métodos de emparejamiento con PC, Android y Switch, y configuraciones personalizadas como calibración, turbo y sensibilidad.

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### Gulikit ES PRO Controller User Manual

User manual for the Gulikit ES PRO wireless game controller. Provides detailed instructions on product features, pairing methods for PC, Android, and Nintendo Switch, joystick and gyroscope calibration, and custom button settings.

lang:en score:25 filesize: 542.27 K page\_count: 1 document date: 2025-08-16

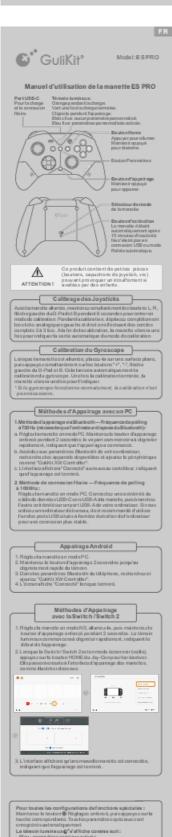


### Manuale Utente Controller GuliKit ES PRO

Manuale utente completo per il controller GuliKit ES PRO, che copre configurazione, associazione, calibrazione e personalizzazione delle funzionalità avanzate per dispositivi PC, Switch e Android.

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# GuliKit ES PRO Controller User Manual and Setup Guide

Comprehensive user manual for the GuliKit ES PRO controller, covering setup, pairing with PC, Android, and Switch, calibration, and special function configurations. Learn how to optimize your gaming experience with detailed instructions and troubleshooting tips. lang:fr score:23 filesize: 585.92 K page\_count: 1 document date: 2025-08-16





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GuliKit Model:ESPRO

#### Guli Kit ES PRO ユーザーマニュアル





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#### GuliKit ES PRO Controller User Manual - Setup, Pairing, and Features

Comprehensive user manual for the GuliKit ES PRO controller. Learn how to pair with PC, Android, and Switch, calibrate, and utilize special features for an enhanced gaming experience.

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