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QRD

QRD Spark N5 Wireless Controller User Manual

Model: Spark N5

INTRODUCTION

This manual provides comprehensive instructions for the setup, operation, maintenance, and troubleshooting of your QRD Spark N5 Wireless Controller. Please read this manual carefully before using the product to ensure optimal performance and longevity.

PRODUCT OVERVIEW

The QRD Spark N5 Wireless Controller is designed for a versatile gaming experience across multiple platforms. It features advanced Hall Effect technology for precise control, customizable macro functions, and immersive vibration feedback.



Figure 1: Front view of the QRD Spark N5 Wireless Controller, showcasing its ergonomic design and illuminated buttons.

Key Features:

- **Hall Effect Joysticks & Analog Triggers:** Provides drift-free and highly accurate control with less than 0.1mm accuracy.
- **Multi-function Touchpad:** Supports touch control for PS4 and acts as a mouse on other compatible platforms.
- **6-Axis Gyroscope & Motion Sensor:** Integrated for immersive gaming experiences and precise motion control.
- **Dual Vibration Motors:** Adjustable vibration levels (0%, 30%, 70%, 100%) for realistic feedback.
- **Macro Back Paddles (N1 & N2):** Customizable for assigning complex shortcuts and executing multiple actions.
- **Turbo Function:** Adjustable turbo speed with auto and manual modes for various buttons.
- **3.5mm Audio Port, Speaker & Mic:** Enables audio output and communication during gameplay.
- **Wired & Wireless Compatibility:** Supports Bluetooth 5.3 for wireless connection and USB-C for wired connection (D-input default, X-input available).

SETUP AND CONNECTION

Charging the Controller:

Before first use, fully charge the controller using the provided USB-C cable. Connect the USB-C end to the controller and the USB-A end to a compatible power source (e.g., console, PC, USB wall adapter).



Figure 2: Battery life illustration. The orange light flashes during charging and turns off when fully charged. A full charge takes approximately 2.5 hours and provides up to 12 hours of playing time.

Wireless Connection (Bluetooth 5.3):

The controller supports wireless connection via Bluetooth 5.3 for PS4, PS3, PS2, Steam Deck, PC (Windows/macOS), iOS, and Android TV Box/phones. For PS5 compatibility, a separate QRD Wireless Converter is required.

WIRED & WIRELESS COMPATIBILITY

Multi-supported for PS4\PS3\PC\IOS\Android

▲ For PS5\XBOX Series compatibility, it needs to be used with converter



Figure 3: Compatibility overview showing the controller connecting to Windows, PS4, Steam, Mobile, PS3.

1. Ensure the controller is charged.
2. Turn on the controller by pressing the "Q" (Home) button.
3. On your device, navigate to Bluetooth settings.
4. Select "Spark N5" or similar from the list of available devices to pair.
5. Once paired, the indicator lights on the controller will stabilize.

Note: For PS5 games, an additional QRD Wireless Converter is necessary. This converter allows the Spark N5 controller to function with PS5 titles, expanding your gaming options.

Your browser does not support the video tag.

Video 1: This video demonstrates the QRD Spark N5 Wireless Controller's compatibility with various game devices, including setup and initial connection steps.

Wired Connection (USB-C):

Connect the controller directly to your PC or console using the provided USB-C cable. The controller will operate in D-input mode by default. X-input mode is available for PC connections only.

OPERATING INSTRUCTIONS

Basic Controls:

The controller features standard gamepad buttons, joysticks, and triggers. Familiarize yourself with the layout for optimal gameplay.



Figure 4: The multi-function touchpad on the controller, which can be used for navigation and specific game interactions.

Hall Effect Joysticks and Triggers:

The Hall Effect technology ensures precise, drift-free input for both joysticks and triggers. This provides enhanced accuracy and responsiveness in games.

HALL EFFECT JOYSTICK

Provides Drift-free & Highly Accurate Control



 Refined Analog Sticks



Figure 5: Exploded view of the Hall Effect Joystick, illustrating its magnetic sensing mechanism for drift-free operation.

HALL SENSING ANALOG TRIGGERS

Micro Switch Shoulder

LESS THAN
0.1 mm
ACCURACY

Support LT, RT travel control,
offer better gaming
experience.



Non-Slip Material

 Comfortable Holding Curvature

Figure 6: Illustration of the Hall Sensing Analog Triggers, highlighting their sub-millimeter accuracy for precise control.

Macro Back Paddles (N1 & N2):

The N1 and N2 back paddles can be programmed to execute complex actions or button combinations with a single press. This feature is useful for competitive gaming or simplifying repetitive tasks.

MACRO BACK PADDLES

One click to execute your combo



Macro keys can support TURBO's semi-automatic mode and fully automatic mode



Figure 7: Rear view of the controller showing the N1 and N2 macro back paddles, which can be assigned to perform complex combos.

Refer to the controller's quick start guide or the official QRD website for detailed instructions on programming macro functions.

Turbo Function:

The Turbo function allows for rapid, continuous input of a button press. You can set three different turbo speeds for most buttons (excluding macro paddles) and choose between auto and manual turbo modes. Consult the quick start guide for specific button combinations to activate and adjust turbo settings.

Adjustable Vibration:

The dual vibration motors provide haptic feedback. You can adjust the intensity to your preference: 0% (off), 30%, 70% (default), or 100%.

Dual Vibration Shock

Provide more realistic game experience



Figure 8: Visual representation of the dual vibration shock feature and its adjustable intensity levels.

Instructions for adjusting vibration intensity are typically found in the quick start guide or by holding specific button combinations.

6-Axis Gyroscope & Motion Sensor:

The integrated 6-axis gyroscope and motion sensor enable precise motion control in supported games, enhancing immersion and aiming accuracy.

6-AXIS GYROSCOPE MOTION CONTROL

The built-in sensor chip provides high-precision somatosensory support when aiming, resulting in smoother and faster aiming movements.



Figure 9: Depiction of the 6-axis gyroscope and motion control, showing how controller movements translate into in-game actions.

Audio Features:

The controller includes a 3.5mm audio port for headphones, a built-in speaker, and a microphone. This allows for in-game audio, voice chat, and immersive sound effects.

Your browser does not support the video tag.

Video 2: This video demonstrates the smartphone connection and gaming experience with the QRD Spark N5 Wireless Controller, including audio functionality.

MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the controller. For stubborn dirt, a slightly damp cloth can be used, but ensure no moisture enters the ports or crevices.
- **Storage:** Store the controller in a cool, dry place away from direct sunlight and extreme temperatures.
- **Battery Care:** To prolong battery life, avoid fully discharging the controller frequently. Charge it regularly, even if not in constant use.
- **Avoid Impact:** Do not drop or subject the controller to strong impacts, as this can damage internal

components.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Controller does not turn on.	Low battery or no charge.	Charge the controller using the provided USB-C cable.
Cannot connect wirelessly.	Bluetooth not enabled on device; controller not in pairing mode; interference.	Ensure Bluetooth is on. Press and hold the "Q" button to enter pairing mode. Move closer to the device. Restart both controller and device.
Input lag or unresponsive buttons.	Low battery; wireless interference; outdated firmware.	Charge the controller. Reduce wireless interference. Check QRD website for firmware updates. Try wired connection.
Joysticks or triggers drifting.	Calibration issue; rare hardware defect.	The Hall Effect technology minimizes drift. If persistent, try recalibrating (refer to quick start guide) or contact customer support.
No vibration feedback.	Vibration setting is off (0%); game does not support vibration.	Adjust vibration intensity to 30%, 70%, or 100%. Ensure the game supports vibration.

SPECIFICATIONS

- **Model:** Spark N5
- **Connectivity:** Bluetooth 5.3 (Wireless), USB-C (Wired)
- **Compatibility:** PS4, PS4 Slim, PS4 Pro, PS3, PS2, Steam Deck, PC (Windows, macOS), iOS, Android TV Box, Phone. (PS5 via separate converter)
- **Joysticks/Triggers:** Hall Effect
- **Motion Sensor:** 6-Axis Gyroscope
- **Vibration:** Dual Motors, Adjustable (0%, 30%, 70%, 100%)
- **Audio:** 3.5mm Audio Port, Built-in Speaker, Microphone
- **Special Features:** Multi-function Touchpad, Macro Back Paddles (N1, N2), Turbo Function
- **Battery:** 1 Lithium Polymer battery (included)
- **Charging Time:** Approximately 2.5 hours
- **Playing Time:** Up to 12 hours
- **Dimensions:** 6.38 x 4.06 x 2.56 inches
- **Weight:** 13.7 ounces

WARRANTY AND SUPPORT

QRD products are designed for durability and performance. For warranty information and technical support, please refer to the official QRD website or contact their customer service directly.

- **Official Website:** [QRD Store on Amazon](#)

- **Customer Service:** Contact information may be available on the product packaging or the official website.

Please retain your proof of purchase for any warranty claims.

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