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BEITONG KP20

BEITONG KP20 Wireless Controller User Manual

Model: KP20

1. PRODUCT OVERVIEW

The BEITONG KP20 Wireless Controller is a versatile gaming controller designed for multiple platforms including PC, Switch/Switch 2, Android, and Steam. It features advanced TMR electromagnetic joysticks and Hall effect linear triggers for enhanced precision and responsiveness. The controller also incorporates mechanical buttons, a hybrid D-pad, and 6-axis gyro motion control to provide a comprehensive gaming experience. With a 1000Hz polling rate, it ensures minimal latency for competitive play. Customization options are available through the Beitong Gamepad Assistant software.

2. PACKAGE CONTENTS

- BEITONG KP20 Wireless Controller
- USB Wireless Dongle
- USB-C Charging/Data Cable
- User Manual

3. SETUP AND CONNECTION

3.1 Connection Modes

The BEITONG KP20 controller supports three primary connection methods: 2.4GHz wireless, Bluetooth, and wired USB-C.

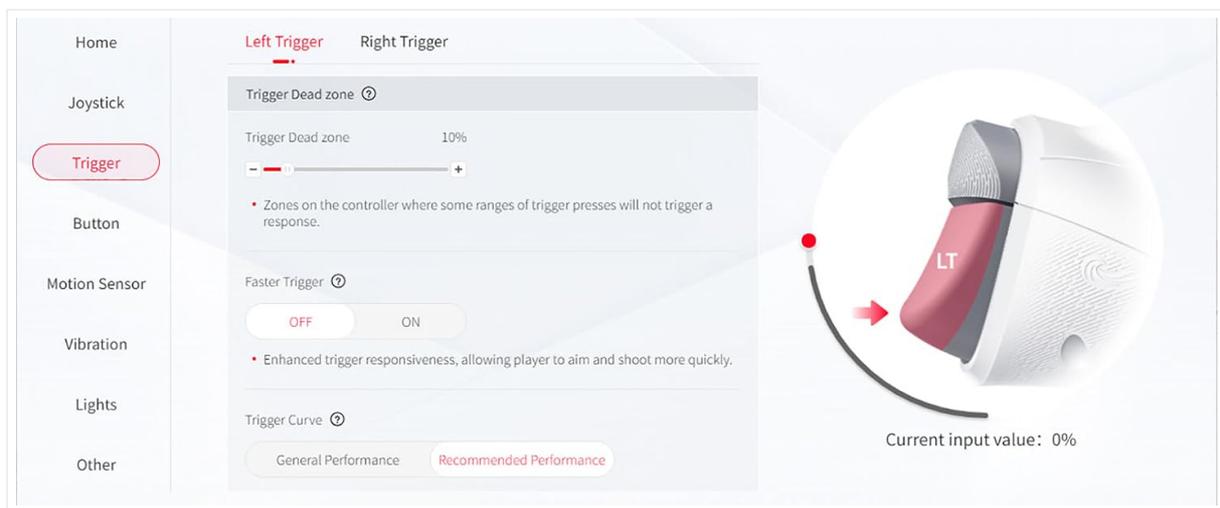


Image: Overview of the three connection modes for the BEITONG KP20 controller.

3.2 2.4GHz Wireless Connection

1. Insert the USB wireless dongle into an available USB port on your PC or compatible device.
2. Turn on the controller. The controller should automatically pair with the dongle.
3. The indicator lights on the controller will confirm a successful connection.

3.3 Bluetooth Connection

1. Ensure Bluetooth is enabled on your device (PC, Switch, Android, iOS).
2. On the controller, press and hold the Bluetooth pairing button (refer to the controller diagram in the manual for exact location) until the indicator lights flash rapidly.
3. On your device, search for new Bluetooth devices and select "BEITONG KP20" to pair.
4. The indicator lights on the controller will become solid upon successful pairing.

3.4 Wired Connection

1. Connect one end of the provided USB-C cable to the controller's USB-C port.
2. Connect the other end of the USB-C cable to an available USB port on your PC or compatible device.
3. The controller will automatically switch to wired mode and be ready for use.

3.5 Platform Switching

The controller features a dedicated button on the back to switch between different platform modes (PC, Switch, Android/iOS). Press this button to cycle through the modes until the desired platform is selected. The indicator lights may change to reflect the active mode.

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Video: An official overview of the BEITONG KP20 controller, demonstrating its features and connection capabilities.

4. OPERATING INSTRUCTIONS

4.1 Controller Layout and Features

- **TMR Electromagnetic Joysticks:** Designed for high precision, durability, and minimal drift, offering 5400+Hz resolution.
- **Hall Effect Linear Triggers:** Provide smooth and responsive input, with switchable modes optimized for FPS or racing games.
- **Mechanical Buttons:** Enhanced for frictionless operation and a lifespan of over 10 million presses, providing tactile feedback.

- **Hybrid D-Pad:** Offers precise 8-direction control for accurate inputs.
- **6-Axis Gyro Motion:** Built-in gyroscope enables motion control in compatible games.
- **Programmable Back Buttons (M1/M2):** Two customizable buttons on the back for assigning complex actions or macros.
- **Turbo Function:** Allows for rapid, continuous input of a button press.

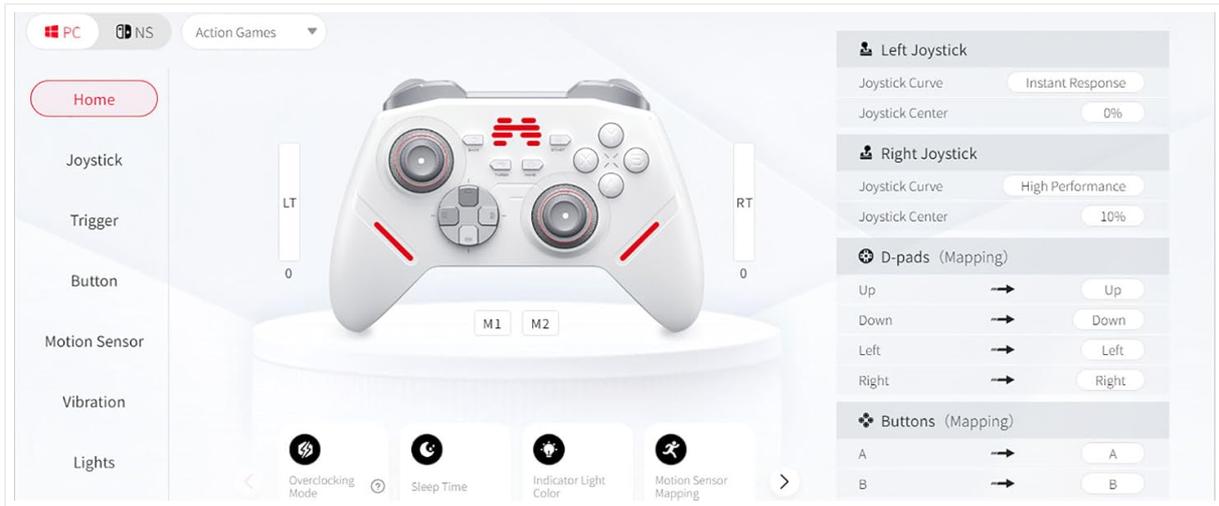


Image: Detailed view of the TMR Electromagnetic Joysticks and Hall Effect Linear Triggers.

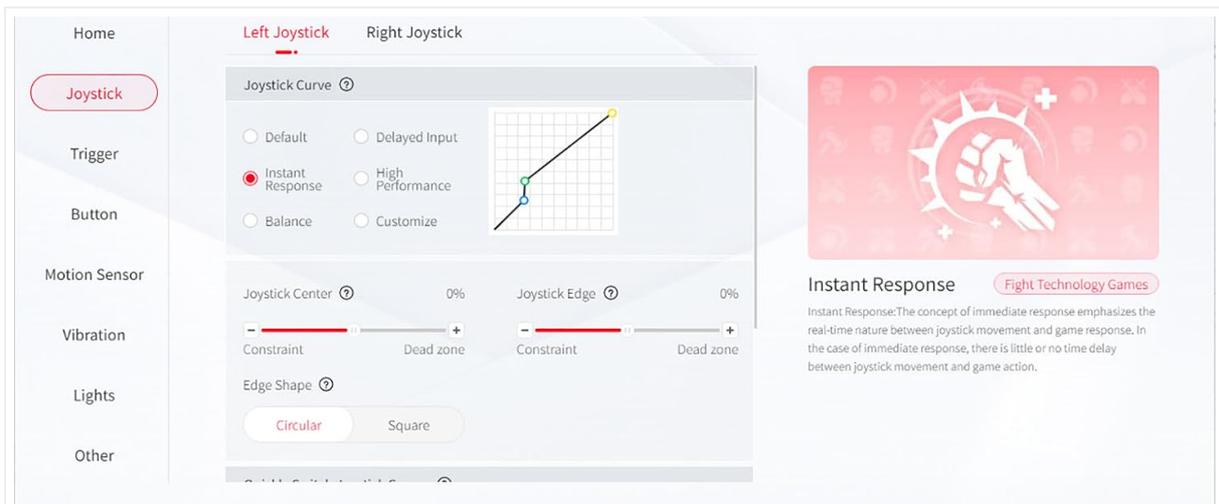


Image: Close-up of the mechanical buttons for fast response.

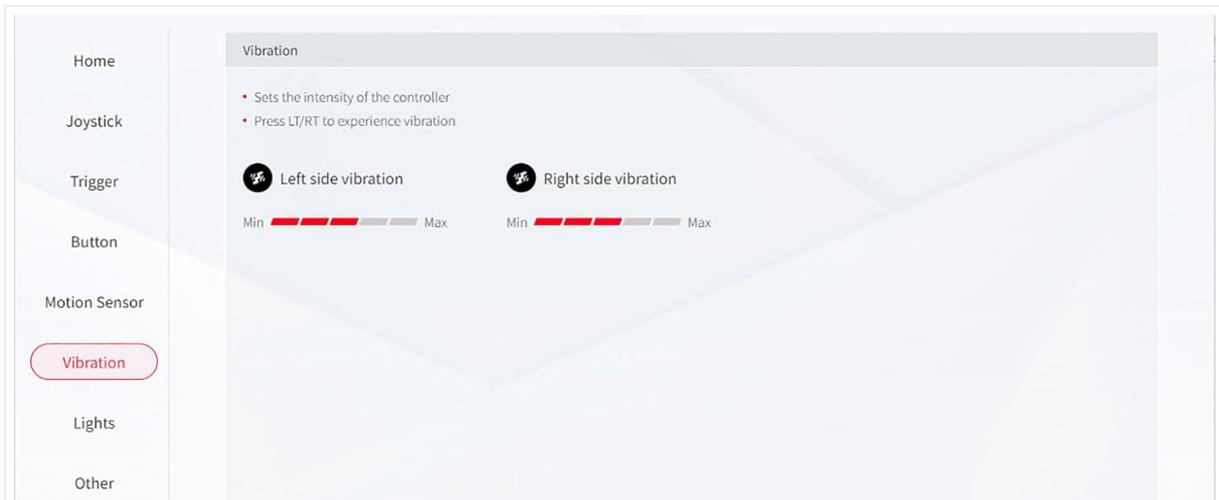


Image: Visual representation of the 6-axis gyro motion control.



Image: Location and function of the two programmable back paddle keys.

4.2 Software Customization (Beitong Gamepad Assistant)

The Beitong Gamepad Assistant software allows for extensive customization of your controller settings. This includes:

- Adjusting joystick dead zones and curves.
- Configuring trigger dead zones and responsiveness.
- Mapping buttons and back paddles.
- Setting turbo speeds.
- Adjusting vibration intensity.
- Customizing RGB lighting effects.

Download the software from the official BEITONG website for full functionality.



Image: Software interface for controller customization.

Your browser does not support the video tag.

Video: An official demonstration of the BEITONG KP20 Gaming Controller's features in action.

5. MAINTENANCE

5.1 Charging the Controller

Connect the provided USB-C cable to the controller and a power source (e.g., PC USB port, USB wall adapter). The controller's indicator lights will show charging status. A Smart Wake-Up Charging Station is available separately, which allows for convenient charging and automatic connection when the controller is picked up.



Image: The Smart Wake-Up Charging Dock Station (sold separately) for the BEITONG KP20 controller.

5.2 Cleaning

To clean your controller, use a soft, dry cloth. For stubborn dirt, a slightly damp cloth can be used, ensuring no moisture enters any openings. Avoid using harsh chemicals or abrasive materials, as these can damage the controller's finish and components.

6. TROUBLESHOOTING

- **Controller not connecting:** Ensure the controller is charged. Verify the correct connection mode (2.4GHz, Bluetooth, or wired) is selected. For 2.4GHz, ensure the dongle is properly inserted. For Bluetooth, ensure your device's Bluetooth is on and the controller is in pairing mode.
- **Buttons or joysticks unresponsive:** Check for any physical obstructions. If using wirelessly, ensure the controller is within range and has sufficient battery. Try recalibrating joysticks and triggers using the Beitong Gamepad Assistant software.
- **Input lag:** Ensure the controller is fully charged. For wireless connections, try moving closer to the receiver or switching to a wired connection for optimal performance.
- **Software issues:** If experiencing problems with customization or calibration, ensure you have the latest version of the Beitong Gamepad Assistant software installed.

For further assistance, please refer to the official BEITONG website or contact the BEITONG technology support team. They are committed to providing support within 24 hours for any controller issues.

7. SPECIFICATIONS

Feature	Detail
Model Number	KP20
ASIN	B0DT4FXBPP
Item Weight	1.01 pounds
Package Dimensions	7.72 x 5.47 x 2.91 inches
Manufacturer	BEITONG
Batteries	1 AAA batteries required (included)
First Available	January 15, 2025

8. WARRANTY AND SUPPORT

BEITONG is committed to providing quality products and customer support. For any issues with your BEITONG KP20 Wireless Controller, the BEITONG technology team is available to provide support within 24 hours. For detailed warranty information, please refer to the warranty card included in your product packaging or visit the official BEITONG website. Warranty terms and conditions may vary by region and retailer.