

BEITONG KP40

BEITONG KP40 Elite Wireless Gaming Controller Instruction Manual

Model: KP40 | Brand: BEITONG

1. INTRODUCTION

This manual provides detailed instructions for the BEITONG KP40 Elite Wireless Gaming Controller. Designed for multi-platform compatibility, the KP40 offers advanced features for an enhanced gaming experience across various devices.



Image 1.1: The BEITONG KP40 Elite Wireless Gaming Controller, showcasing its ergonomic design and button layout.

2. KEY FEATURES

- **Universal Multi-Platform Compatibility:** Supports PC/Windows, Switch/OLED/Lite, Steam Deck, Android, iOS, and TV platforms.
- **Dual Connection Modes:** Advanced 2.4G wireless with 1ms latency for PC/Windows/TV/Android, and stable Bluetooth for Switch, Steam Deck, and mobile devices.
- **Precision Adjustable TMR Joysticks:** Features 30-90gf stepless damping adjustment and 5400+ resolution for responsive control.
- **Upgraded TMR Triggers:** Dual-mode triggers with 2mm light touch for rapid-fire and 8mm linear analog for pressure-sensitive games. Instant mode switching via rear trigger locks.
- **Competitive-Grade 1000Hz Polling Rate:** Dual-mode (wired/wireless) 1000Hz polling rate ensures 1ms latency within a 10-meter range.
- **Optical Button Switches:** ABXY optical micro switches are 70% faster than traditional switches, offering frictionless actuation and 10M+ press durability.
- **Advanced 6-Axis Gyro Motion:** Integrated gyroscope provides precise motion controls for

PC/Switch/Android gaming.

- **Customizable Macro Control:** Three programmable macro keys (M1/M2/Turbo) for remapping buttons or joystick functions.
- **Immersive AI Vibration:** Self-developed AI vibration algorithm identifies and replicates in-game feedback, combined with authentic Xbox motor technology.
- **Comprehensive Customization Software:** BEITONG Gamepad Assistant (available at [beitongfun](http://beitongfun.com)) allows fine-tuning of joystick dead zones, turbo speeds, vibration intensity, RGB lighting, and button mappings.



Image 2.1: Overview of the BEITONG KP40's advanced features, including multi-platform support and customizable elements.

3. SETUP GUIDE

3.1 Package Contents

Verify that your package contains the following items:

- BEITONG KP40 Elite Wireless Gaming Controller
- USB Wireless Adapter (Dongle)
- USB-C Charging Cable
- Instruction Manual (this document)
- AAA Batteries (1, included)

3.2 Powering On/Off

To power on the controller, locate the power switch on the back of the device and slide it to the 'ON' position. To power off, slide the switch to 'OFF'.

3.3 Connection Modes

The KP40 controller supports multiple connection methods:

- **2.4G Wireless (via USB Adapter):** Ideal for PC, Windows, Android TV, and other devices with a USB port. Insert the USB wireless adapter into an available USB port on your device. The controller should automatically connect.
- **Bluetooth:** For Switch, Steam Deck, Android, and iOS devices. Ensure Bluetooth is enabled on your device. On the controller, switch to the Bluetooth mode (refer to the switch on the back). Press and hold the pairing button (usually a small button near the charging port or indicated in the manual) until the indicator lights flash rapidly. Select 'BEITONG KP40' from your device's Bluetooth settings to pair.
- **Wired Connection:** Connect the controller directly to your PC or compatible device using the provided USB-C cable. This mode offers the lowest latency and also charges the controller.

Video 3.1: An official product video demonstrating the BEITONG KP40 Wireless Gaming Controller's features and connectivity options.

4. OPERATING THE CONTROLLER

4.1 TMR Joysticks and Triggers

The KP40 features adjustable TMR joysticks and triggers for personalized control:

- **Joystick Damping:** The joysticks offer 30-90gf stepless damping adjustment. Rotate the ring at the base of the joystick to increase or decrease resistance. A lighter setting provides more flexibility, while a heavier setting offers more precise aiming.
- **Trigger Modes:** The triggers can be switched between two modes using the physical switches on the underside of the controller. The 2mm light touch mode is suitable for rapid-fire actions in shooting games, while the 8mm linear analog mode provides pressure-sensitive input for racing games and throttle control.

30~90gf

Force Free Adjustment

5400+

Super High Resolution

$\geq 1000\text{HZ}$

Stable Wireless Returns

Exclusive Patent: TMR Damped Adjustable Rocker



Image 4.1: Detailed view of the TMR Damped Adjustable Rocker, highlighting the damping adjustment mechanism for joysticks.

Newest TMR Linear Trigger

3-Speed Adjustment (8, 2, 0.1mm), Accuracy $\geq 0.1\text{mm}$,
Linear Trigger – No Touch Electromagnetic Induction, No Friction, Smoother Experience



Image 4.2: Illustration of the TMR Linear Trigger, showing the 8mm long stroke for racing and 0.1mm ultra-short stroke for rapid shooting.

4.2 Optical Buttons and D-Pad

The ABXY buttons utilize optical micro switches for faster response. The 10-direction hybrid D-pad ensures accurate input.



Image 4.3: Close-up of the optical keypad and omni-directional D-pad, emphasizing their precise and fast actuation.

4.3 Macro Keys (M1/M2/Turbo)

The controller includes three customizable macro keys (M1, M2, and Turbo) located on the underside and front of the controller. These can be remapped to any button or joystick function to execute complex combos or rapid-fire sequences. Refer to the BEITONG Gamepad Assistant software for detailed macro programming instructions.

4.4 Motion Controls and AI Vibration

The integrated 6-axis gyroscope provides precise motion controls for compatible games on PC, Switch, and Android. The AI vibration system, powered by an Xbox motor, intelligently adapts to in-game events, providing realistic haptic feedback.

4.5 Customization Software

For advanced customization, download the BEITONG Gamepad Assistant from the official BEITONG website (beitongfun, SUPPORT section). This software allows you to fine-tune various aspects of your controller, including:

- Joystick dead zones and curves

- Turbo speeds
- Vibration levels
- RGB lighting effects
- Button remapping
- Creating personalized profiles for different games



Image 4.4: The BEITONG Gamepad Assistant interface, demonstrating the extensive customization options available for the controller.

5. MAINTENANCE

5.1 Cleaning

Regularly clean your controller with a soft, dry cloth. Avoid using harsh chemicals or abrasive materials that could damage the surface or internal components. For stubborn dirt, lightly dampen the cloth with water.

5.2 Battery Care

To prolong battery life:

- Charge the controller fully before first use.
- Avoid completely draining the battery frequently.
- Store the controller in a cool, dry place when not in use for extended periods.
- Use only the provided charging cable or a certified USB-C cable.

6. TROUBLESHOOTING

6.1 Controller Not Connecting

- **Check Power:** Ensure the controller is powered on and has sufficient battery charge.
- **Verify Mode:** Confirm the controller is set to the correct connection mode (2.4G, Bluetooth, or Wired) for your device.
- **Re-pair:** For wireless connections, try re-pairing the controller with your device.
- **USB Adapter:** If using 2.4G wireless, ensure the USB adapter is securely plugged into your device. Try a different USB port.
- **Interference:** Move away from other wireless devices that might cause interference.

6.2 Buttons/Joysticks Unresponsive

- **Restart:** Power off and then on the controller.
- **Software Calibration:** Use the BEITONG Gamepad Assistant to check and calibrate joystick and button inputs.
- **Firmware Update:** Check the BEITONG website for any available firmware updates for your controller.

6.3 Vibration Not Working

- **Check Game Settings:** Ensure vibration is enabled in your game's settings.
- **Controller Settings:** Use the BEITONG Gamepad Assistant to verify vibration intensity settings.

7. SPECIFICATIONS

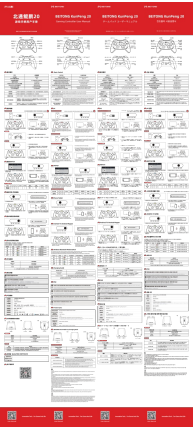
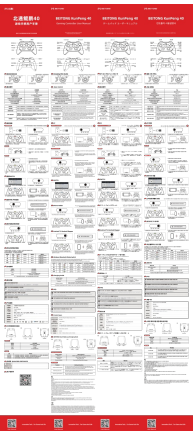

Feature	Detail
Model Number	KP40
Connectivity	2.4G Wireless, Bluetooth, Wired (USB-C)
Polling Rate	1000Hz (Wired/Wireless)
Joysticks	TMR with 30-90gf damping, 5400+ resolution
Triggers	TMR Linear, Dual-mode (2mm light touch, 8mm linear analog)
Buttons	ABXY Optical Micro Switches (10M+ durability)
D-Pad	10-direction Hybrid
Motion Sensor	6-axis Gyroscope
Vibration	AI Vibration Algorithm, Xbox Motor Technology

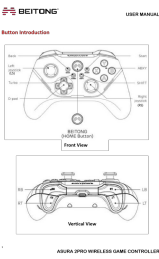


Macro Keys	M1, M2, Turbo (Customizable)
Weight	1.01 pounds
Batteries	1 AAA batteries required (included)

8. WARRANTY AND SUPPORT

For warranty information, technical support, or further assistance, please visit the official BEITONG website at beitongfun.com and navigate to the SUPPORT section. You may also contact BEITONG customer service directly through the contact information provided on their website.

Related Documents - KP40

	<p>BEITONG BTP-KP20 Wireless Gamepad User Manual</p> <p>Comprehensive user manual for the BEITONG BTP-KP20 Wireless Gamepad, detailing features, setup, connectivity for PC, Switch, iOS, and Android, and troubleshooting.</p>
	<p>BEITONG KP40 Elite Gaming Controller User Manual</p> <p>User manual for the BEITONG KP40 Elite Gaming Controller, featuring 2000Hz NearLink TMR Joystick, compatible with NS, PC, and Steam via Bluetooth. Includes setup, operation, and troubleshooting information.</p>
	<p>BEITONG KunPeng 40 Intelligent Gaming Controller User Manual</p> <p>User manual for the BEITONG KunPeng 40 Intelligent Gaming Controller (BTP-KP40) by Guangzhou Pinzhong Electronic Technology Co.,Ltd., covering setup, features, connectivity, and troubleshooting.</p>

 <p>BEITONG Asura 2PRO Wireless Game Controller User Manual & Guide</p>	<p>BEITONG Asura 2PRO Wireless Game Controller User Manual & Guide</p> <p>Comprehensive user manual for the BEITONG Asura 2PRO Wireless Game Controller, covering setup, button functions, software customization, vibration, turbo settings, and calibration.</p>
 <p>BEITONG BAT 2 Wired Gamepad User Manual - Features, Setup, and Support</p>	<p>BEITONG BAT 2 Wired Gamepad User Manual - Features, Setup, and Support</p> <p>Comprehensive user manual for the BEITONG BAT 2 Wired Gamepad (Model BTP-BD2E/F). Learn about button functions, power on/off, connecting to PC and Android TV, gamepad modes, troubleshooting, product specifications, and customer service.</p>
 <p>BEITONG Asura 2Pro Wireless Game Controller User Manual</p>	<p>BEITONG Asura 2Pro Wireless Game Controller User Manual</p> <p>Comprehensive user manual for the BEITONG Asura 2Pro Wireless Game Controller, covering setup, button functions, software customization, and troubleshooting.</p>