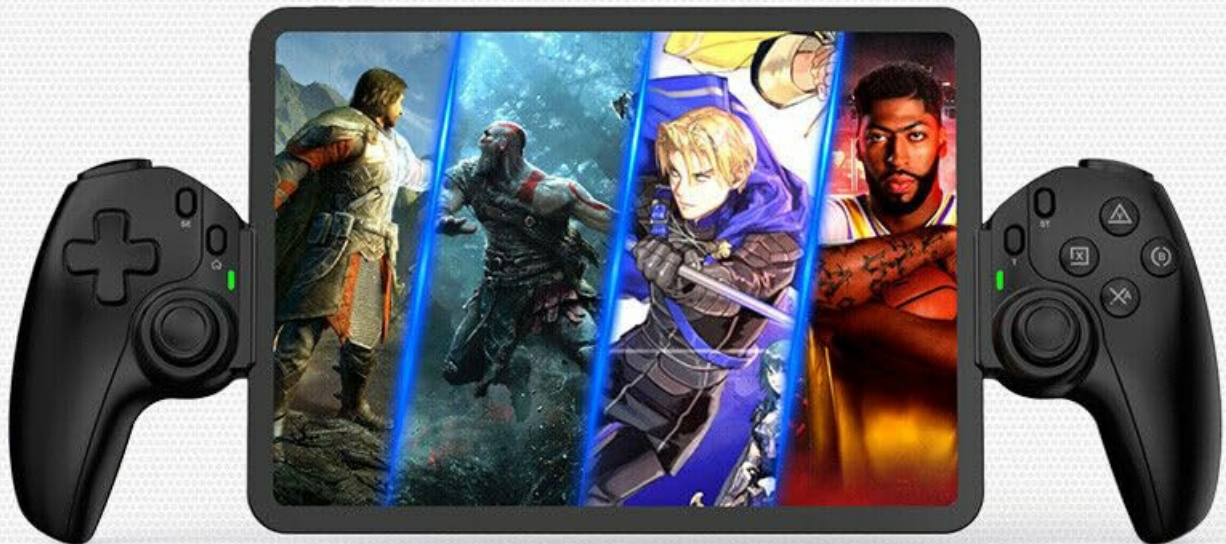**BSP D9**

BSP D9 Game Controller User Manual

Model: D9

1. INTRODUCTION

The BSP D9 Game Controller is a versatile gaming accessory designed to enhance your mobile and PC gaming experience. It supports a wide range of devices including iPhones, iPads, Android phones and tablets, PCs, Nintendo Switch, and PlayStation consoles. Featuring advanced Hall Effect joysticks and triggers, programmable back buttons, and a stretchable design, the D9 controller provides precise control and comfortable gameplay across various platforms.

Figure 1.1: The BSP D9 Game Controller attached to a tablet, showcasing its design and compatibility with mobile gaming.

2. PRODUCT OVERVIEW: KEY DETAILS

Familiarize yourself with the various buttons and components of your D9 Game Controller.
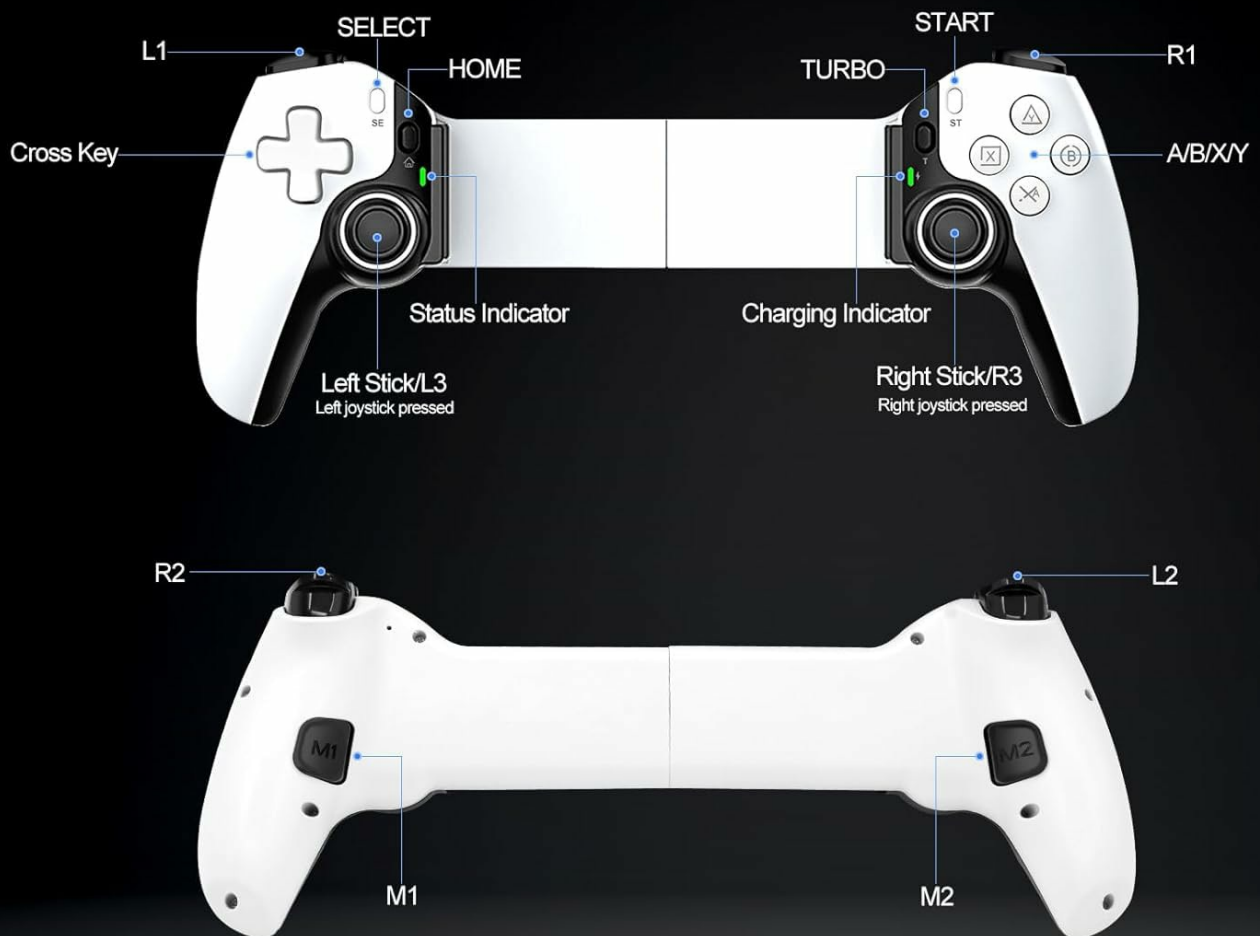
KEY DETAILS

Figure 2.1: Detailed diagram of the D9 controller's button layout, including the Cross Key, SELECT, HOME, START, A/B/X/Y buttons, L1/R1, L2/R2 triggers, M1/M2 back buttons, Left/Right Sticks (L3/R3), Status Indicator, and Charging Indicator.

- **Cross Key (D-Pad):** Directional input.
- **Left Stick/L3:** Left analog joystick, press down for L3.
- **SELECT Button:** Function button, typically for menu selection.
- **HOME Button:** Power on/off, mode switching, return to home screen.
- **Status Indicator:** Shows connection status and mode.
- **Charging Indicator:** Displays battery charging status.
- **Right Stick/R3:** Right analog joystick, press down for R3.
- **A/B/X/Y Buttons:** Standard action buttons.
- **START Button:** Function button, typically for pausing or starting games.
- **TURBO Button:** Activates/deactivates turbo function for assigned buttons.
- **L1/R1 Buttons:** Shoulder buttons.
- **L2/R2 Triggers:** Analog triggers.
- **M1/M2 Buttons:** Programmable back buttons.

3. FEATURES

3.1 Hall Effect Triggers and Joysticks

The D9 controller is equipped with advanced Hall Effect technology for both its triggers and joysticks. This provides superior precision and durability compared to traditional potentiometers.

Figure 3.1: Explanation of Hall Effect Triggers and Joysticks, highlighting 0.1mm accuracy for triggers and benefits like no drift issues, no dead zone, long lifespan, and precise control for joysticks.

- **Hall Effect Triggers:** Provide 0.1mm accuracy for precise micro-operations in games.
- **Hall Effect Joysticks:** Eliminate drift issues, maintain stable trajectory, offer precise positioning, and provide a smooth feel without stuttering.

3.2 Turbo Function

The Turbo function allows you to set automatic rapid firing for specific buttons, giving you an advantage in fast-paced games.

Figure 3.2: The Turbo function allows setting A/B/X/Y, L1/R1, L2/R2 buttons for rapid fire. Three adjustable turbo speeds are available: 8 shoots/s, 15 shoots/s, and 25 shoots/s.

3.3 Macro Programming Function

The M1 and M2 back buttons can be programmed to execute complex key combinations with a single press, reducing repetitive actions and extending controller lifespan.

MACRO PROGRAMMING FUNCTION

This controller with 2 back buttons (M1/M2), you can customize A/B/X/Y/L1/L2/R1/R2/Cross key as key combinations, which makes your in-game operation more convenient and helps to reduce key abuse and prolong the life of the controller.

Press the "SELECT+M1" key to set

HOW TO SET?
①Press 'SELECT + M1' keys for 2 sec, until the LED indicator light flahes quickly.
②Press the key you want to set for macro programming function (such as 'A+B+X+Y' key), then press 'M1' key again, the LED light keeps on, setting is done now.
③After setting, press 'M1' key, the function of A+B+X+Y will be automatically used once. (This setting also applies to 'M2')

HOW TO CANCEL?
①Press 'SELECT + M1' keys for 2 sec, until the LED indicator light flahes quickly.
②Press 'M1' to clear the macro programming button (Note: do not press other buttons at this time), until the LED light is always on to complete the setting)

Figure 3.3: Instructions for setting and canceling macro programming on the M1 and M2 back buttons. Macros can be assigned to A/B/X/Y/L1/R1/L2/R2/Cross Key combinations.

3.4 Stretchable Design

The controller features a stretchable design to accommodate a wide range of smartphones and tablets, ensuring a secure fit and comfortable grip.

Figure 3.4: The controller supports device lengths from 130mm to 280mm (5-11 inches) and a maximum thickness of 13mm. It is perfectly compatible with iPhone 15 series and supports silicone & clear phone cases.

4. COMPATIBILITY

The BSP D9 Game Controller offers broad compatibility with various operating systems and gaming platforms, transforming your mobile device into a portable gaming console.

Figure 4.1: The controller supports streaming & cloud gaming (PS Remote Play, Xbox Game Pass, Steam Link, Rainway, NVIDIA GeForce NOW, Moonlight Game Streaming, Apple Arcade), direct play on iOS devices (Genshin Impact, Call of Duty Mobile, Diablo Immortal, Minecraft, Roblox), and direct play on Android devices (Call of Duty Mobile, Diablo Immortal, Minecraft, NBA 2K, Asphalt).

- **Operating Systems:** iOS, Android, Windows (PC).
- **Consoles:** Nintendo Switch, PlayStation (PS3, PS4, PS5 via remote play).
- **Cloud Gaming:** Supports services like Xbox Game Pass, PS Remote Play, Steam Link, NVIDIA GeForce NOW, and more.
- **Direct Play:** Compatible with popular mobile games on both iOS and Android.

5. SETUP

5.1 Charging the Controller

1. Connect the provided USB-C charging cable to the charging port on the controller.
2. Connect the other end of the cable to a USB power source (e.g., computer USB port, wall adapter).
3. The Charging Indicator light will illuminate during charging and turn off when fully charged.

5.2 Inserting Your Device

1. Gently pull the two sides of the controller apart to extend the stretchable mechanism.

2. Carefully place your smartphone or tablet into the central slot, ensuring it is securely seated. The controller supports devices with lengths between 130mm and 280mm and a maximum thickness of 13mm.

3. The controller is designed to accommodate devices with slim cases.

5.3 Connecting to Your Device (Bluetooth Pairing)

The connection method varies slightly depending on your device's operating system.

For Android Devices:

1. Press and hold the **HOME** button until the Status Indicator light begins to flash rapidly, indicating pairing mode.

2. On your Android device, go to **Settings** > **Bluetooth** and turn Bluetooth on.

3. Search for available devices and select "BSP-D9" or similar from the list.

4. Once connected, the Status Indicator light on the controller will become solid.

For iOS Devices:

1. Press and hold the **HOME** button until the Status Indicator light begins to flash rapidly.

2. On your iOS device, go to **Settings** > **Bluetooth** and turn Bluetooth on.

3. Search for available devices and select "Xbox Wireless Controller" or "DUALSHOCK 4 Wireless Controller" (depending on the mode the D9 emulates for iOS compatibility) from the list.

4. Once connected, the Status Indicator light on the controller will become solid.

For PC/Switch/PS (Wired/Wireless):

Refer to the specific connection instructions provided with your controller for PC, Switch, or PS modes, as these may involve different button combinations or wired connections.

6. OPERATING INSTRUCTIONS

6.1 Basic Button Functions

Refer to Section 2, "Product Overview: Key Details," for the layout and basic functions of all buttons (Cross Key, A/B/X/Y, L1/R1, L2/R2, Joysticks, SELECT, START, HOME).

6.2 Using the Turbo Function

1. Press and hold the **TURBO** button.

2. While holding **TURBO**, press the button you wish to assign the turbo function to (e.g., A, B, X, Y, L1, R1, L2, R2). The button will now have turbo enabled.

3. To adjust the turbo speed, press and hold **TURBO** and then press the Right Stick (R3) up or down to cycle through the 3 available speeds (8, 15, 25 shots/s).

4. To cancel the turbo function for a specific button, press and hold **TURBO** and press the assigned button again.

5. To clear all turbo settings, press and hold **TURBO** and then press the SELECT button.

6.3 Programming Macro Buttons (M1/M2)

The M1 and M2 back buttons can be programmed to store a sequence of button presses.

How to Set a Macro:

1. Press and hold the **SELECT** button and the **M1** (or M2) key for 2 seconds. The LED indicator light will flash quickly.

2. Press the key(s) you want to set for the macro programming function (e.g., A+B+X+Y).

3. After setting the sequence, press the **M1** (or M2) key again. The LED light will become solid, indicating that the setting is

complete.

4. Once set, pressing M1 (or M2) will automatically execute the programmed key combination.

How to Cancel a Macro:

1. Press and hold the **SELECT** button and the **M1** (or M2) key for 2 seconds. The LED indicator light will flash quickly.

2. Press the **M1** (or M2) key again to clear the macro programming. (Note: Do not press other buttons at this time). The LED light will remain solid to confirm the setting is cleared.

7. MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the controller. Do not use abrasive cleaners or solvents.
- **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 use for extended periods.
- **Avoid Drops:** Protect the controller from drops and impacts, which can damage internal components.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
Controller does not power on.	Low battery.	Charge the controller for at least 30 minutes.
Unable to pair via Bluetooth.	Controller not in pairing mode; Bluetooth interference; device Bluetooth off.	Ensure controller is in pairing mode (flashing LED). Turn off and on Bluetooth on your device. Move closer to the device.
Buttons or joysticks are unresponsive.	Connection issue; software glitch; physical damage.	Reconnect the controller. Restart your device. If problem persists, contact customer support.
Device does not fit in the controller.	Device dimensions exceed supported limits.	Ensure your device length is between 130-280mm and thickness is max 13mm. Remove bulky cases.

9. SPECIFICATIONS

- **Model:** D9
- **Brand:** BSP
- **Connectivity:** Bluetooth, Wired (for PC/Switch/PS, specific modes may vary)
- **Supported Device Length:** 130mm - 280mm (5 - 11 inches)
- **Supported Device Thickness:** Up to 13mm
- **Joystick/Trigger Technology:** Hall Effect
- **Programmable Buttons:** M1, M2 (back buttons)
- **Turbo Function:** Yes, with 3 adjustable speeds
- **Manufacturer:** ShenZhen ShanWan Technology Co., Ltd.
- **First Available Date:** March 30, 2024

10. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the documentation included with your purchase or visit the official

BSP product support website. Keep your proof of purchase for warranty claims.

Note: Specific warranty terms and support contact details may vary by region.