



PC Multi - function Controller

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## Product Specifications

Product Name: 2.4G PC Multi - function Controller

Product Model: LS9018-W

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Version: V1.0

Effective Date	Compiled By	Reviewed By	Approved By
2025. 4. 28			

☐ Product Specification

☒ Sample Specification

Remarks:

1. If the following information is updated, no further notice will be given. Please confirm whether the materials in your hand are the latest version before use.
2. We will not be responsible for the consequences caused by incorrect or inappropriate operations.



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## I. Product Introduction and Application Scope

PC Multi-function Controller (referred to as "PC Controller"). The controller has a built-in channel light to indicate its status, which is clear and easy to identify. It is equipped with a stable motor that provides real-time game vibration feedback, offering users an immersive gaming experience.

## II. Product Features

1. The PC controller supports Bluetooth connection mode, wired connection mode, and 2.4G mode across different platforms.
2. Compatible with Windows, Switch console, Android, iOS, and Tesla systems.
3. Bluetooth mode supports PC, Switch, Android, and iOS, with platform switching achieved via combination keys.
4. Wired mode supports XINPUT (PC360), DINPUT functions, Switch, and Android.
5. 2.4G mode supports PC, Android, PS3, Switch, and Tesla.

## III. Product Appearance

## IV. Product Operation Steps

### Pairing Combination Keys (XBOX360 Layout Silk Print)

PC

Applicable System	Windows System	
Working Mode	USB Wired Mode	Bluetooth Mode
Mode Pairing	Plug in USB for automatic recognition	Pairing: Hold Y+HOME buttons for 3 seconds Reconnection: Short-press HOME button
Connected Device Name	X-input: Xbox 360 Controller for Windows D-input: PC_Controller	Xbox Wireless Controller
Indicator Light	X-input: Indicator stays on D-input: Indicator stays on	Pairing: Indicator flashes rapidly Reconnection: Indicator flashes slowly Recognition: Indicator stays on
Remarks	Long-press START+SELECT for 3 seconds to switch between X-input and D-input (cyclic switching)	



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### SWITCH:

Applicable System	SWITCH Console	
Working Mode	USB Wired Mode	Bluetooth Mode
Mode Pairing	Plug in USB for automatic recognition	Pairing: Hold Y+HOME buttons for 3 seconds Reconnection: Short-press HOME button
Connected Device Name		
Indicator Light	Indicator stays on	Pairing: Indicator flashes rapidly Reconnection: Indicator flashes slowly Recognition: Indicator stays on
Remarks	For SWITCH console games	For SWITCH console games

### Android:

Applicable System	Android System	
Working Mode	Bluetooth Mode	USB Wired Mode
Mode Pairing	Pairing: Hold A+HOME buttons for 3 seconds Reconnection: Short-press HOME button	Plug in USB for automatic recognition
Connected Device Name	Gamepad	
Indicator Light	Pairing: Indicator flashes rapidly Reconnection: Indicator flashes slowly Recognition: Indicator stays on	Recognition: Indicator stays on
Remarks	For arcade games, Android native games, TV	For arcade games, Android native games, TV

### IOS:

Applicable System	Applicable System
Working Mode	Bluetooth Mode
Mode Pairing	Pairing: Hold L1+HOME buttons for 3 seconds Reconnection: Short-press HOME button
Connected Device Name	DUALSHOCK 4 Wireless Controller



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Indicator Light	Pairing: Indicator flashes rapidly Reconnection: Indicator flashes slowly Recognition: Indicator stays on
Remarks	

## 2. 4G:

1、 Connect the 2.4G Dongle to the PC. Press and hold R1+HOME buttons for 3 seconds to power on and enter 2.4G pairing mode. The controller's indicator will flash rapidly, and it will automatically connect to the PC. Upon successful connection, the 2.4G Dongle indicator and controller indicator will stay on, defaulting to X-input mode. Long-press START+SELECT for 3 seconds to switch to D-input mode (vibration prompt upon successful switch).

X-input Name: Xbox 360 Controller for Windows

D-input Name: Aurora PC Controller

- 2、 Connect the 2.4G Dongle to Android. Press and hold R1+HOME buttons for 3 seconds to power on and enter 2.4G pairing mode. The controller will automatically connect to Android, with both indicators staying on upon success.
- Connect the 2.4G Dongle to SWITCH. Press and hold R1+HOME buttons for 3 seconds to power on and enter 2.4G pairing mode. The controller will automatically connect to SWITCH, with both indicators staying on upon success.
- Connect the 2.4G Dongle to PS3. Press and hold R1+HOME buttons for 3 seconds to power on and enter 2.4G pairing mode. The controller will automatically connect to PS3, with both indicators staying on upon success.
- Connect the 2.4G Dongle to Tesla. Press and hold R1+HOME buttons for 3 seconds to power on and enter 2.4G pairing mode. The controller will automatically connect to Tesla, with both indicators staying on upon success.
- Short-press the HOME button to reconnect. The controller's indicator will flash slowly, staying on upon successful reconnection.

## V. Turbo Function

### Turbo Function Settings:

- Hold the Turbo key and short-press the button to be set as TURBO; the button will enable manual rapid fire.
- While in manual rapid fire, hold the Turbo key and short-press the assigned button to switch to automatic rapid fire.
- While in automatic rapid fire, hold the Turbo key and short-press the assigned button to cancel the rapid fire function.

Rapid fire modes cycle: Manual Rapid Fire → Automatic Rapid Fire → Cancel Rapid Fire.

Assignable keys: A, B, X, Y, L1, R1, L2, R2, UP, DOWN, LEFT, RIGHT



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### 4、Turbo Rapid Fire Speed Settings:

(Speed 档位调节带关机记忆功能)

- Turbo + Right 3D Up: Increase speed by one gear
- Turbo + Right 3D Down: Decrease speed by one gear
- Hold Turbo and push the right joystick fully up to increase speed, or fully down to decrease speed. The motor will vibrate once per successful setting.
- Three speed gears: 1st gear 5 times/sec, 2nd gear 12 times/sec, 3rd gear 20 times/sec (settings are memory-preserved).

### Clear All Turbo Functions:

Use the combination key Turbo + SELECT (-) to clear all rapid fire assignments.

- Turbo settings are not preserved when the controller is powered off.

## VI. Motor Vibration

1. The controller supports motor vibration feedback with left and right pressure-sensitive motors.
2. Vibration intensity adapts to feedback from platform games.
  1. **Vibration Intensity Adjustment** (settings preserved when powered off):
    1. Turbo + Left Joystick Up: Increase intensity by one gear
    2. Turbo + Left Joystick Down: Decrease intensity by one gear
    3. Four intensity levels: 0% - 30% - 75% - 100% (default: 75%). The motor will vibrate for 1 second upon completion of settings.

## VII. MACRO (Programming Function)

1. **Supported Keys:** A, B, X, Y, LB, RB, LT, RT, D-pad (UP/DOWN/LEFT/RIGHT), left joystick, right joystick, L3, R3.
2. **Operation:**

Hold the SET key for 3 seconds (motor vibration prompt, channel light flashes slowly) to enter macro programming mode. Hold the keys to be combined; the channel light will flash rapidly three times to indicate key recording. Input intervals exceeding 15 seconds will auto-exit programming without saving. Press M1 (M2) to confirm the combination key (motor vibration prompt, channel light stays on). (In wired charging mode, the indicator will revert to charging flash frequency.)



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### 3. Clear Function:

1. Hold the SET key for 3 seconds to enter programming mode.
2. Press M1 (M2) without inputting any keys to clear the macro function for that back key (vibration prompt, channel light reverts to previous state).

**4. Programming memory:** Settings are preserved when powered off. M1 and M2 are factory-reset to empty.

**5. Limit:** Each macro key supports up to 25 inputs. If  $\geq 25$  keys are recorded, the channel light will flash rapidly to indicate overload. Press the back key to save the first 25 inputs, or auto-exit without saving after 15 seconds.

Note: M1 and M2 cannot trigger functions simultaneously if both are programmed with combinations.

## VIII. Key Layout Switching

Use the combination key Turbo + R3 to switch A/B/X/Y key layouts (X-Y and A-B swapped). Settings are not preserved when powered off.

## IX. Reconnection

Short-press the Home key when powered off to enter reconnection mode (30-second timeout). The controller will auto-power off if reconnection fails.

## X. Power Off

### Manual Shutdown:

1. Long-press the Home key for 5 seconds during reconnection.
2. Long-press the Home key for 5 seconds while connected.
3. Long-press the Home key for 5 seconds during pairing.

### Auto Shutdown:

1. Auto-power off after 60 seconds of failed pairing.
2. Auto-power off after 30 seconds of failed reconnection.
3. Auto-power off after 5 minutes of inactivity (no button/joystick input) while connected.
4. Auto-power off when battery voltage drops below 3.45V (inoperable).



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## XI. Charging

- **Powered Off:** White LED flashes when plugged into a charger; LED turns off when fully charged.
- **Connected:** Corresponding channel light flashes slowly when plugged into USB; stays on when fully charged.

## XII. Low Battery Alarm/Shutdown

1. When battery voltage drops below 3.6V ( $\pm 0.05V$  error) in wireless mode, the channel light will flash rapidly for low battery warning.
2. Auto-power off when voltage drops below 3.45V ( $\pm 0.05V$  error) in wireless mode.

## XIII. Reset Function

Press the reset button on the back of the controller to restore default settings in case of anomalies.

## XIV. Sensor Abnormality Calibration

When sensor issues occur:

1. Power off the controller and place it on a flat surface.
2. Hold (-)SELECT + HOME to enter calibration mode (HOME indicator flashes rapidly).
3. The indicator will turn off upon successful calibration; release the keys. If calibration fails, the HOME indicator stays on. Short-press HOME twice to restore normal mode, then retry calibration.

## XV. Technical Specifications

Parameter

Data

Description



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Parameter	Data	Description
Operating Voltage	3.7V	Lithium battery-powered
Operating Current		
Standby Current	5uA	Minimum
Motor Vibration Current	60-120mA	Maximum current for both motors during normal operation
Charging Voltage	5V	USB 5V charging
Charging Current	>350mA	
Battery Capacity		
Wireless Range	8 meters	Bluetooth connection

## XVI. Storage and Transportation

1. **Storage:** Store in a shaded, room-temperature environment with good ventilation, dryness, and anti-static measures.
2. **Transportation:** Protect against static electricity, drops, dust, impacts, and extrusion.

## XVII. Special Notes

1. All information in this specification is accurate and reliable, but the company assumes no liability for consequences caused by improper operation or use.
2. The company shall not be responsible for issues arising from unavoidable factors such as official system/game/platform upgrades or changes. The company reserves the right to final interpretation.
3. Specifications are subject to change without prior notice.





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This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

**Note:** This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

### Warning:

changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment

The devices has been evaluated to meet general RF exposure requirement, the device can be used in portable exposure condition without restriction