

Bluetooth Wireless Game Controller

Product Features:

1. Supports Switch 2/Switch/Switch Lite/PC/iOS/Android platforms.
2. Built-in six-axis gyroscope for immersive motion controls.
3. Built-in asymmetric vibration motors with three adjustable levels for realistic feedback.
4. Supports manual and auto turbo functions with three speed levels to free your hands and enhance game playing feeling.
5. Built-in 7-color RGB backlight—futuristic, cool, and striking.
6. Ergonomically designed by a professional controller design team; sleek appearance and excellent hand feel.
7. Equipped with a 3.5mm audio jack (usable in Switch wired mode).

Product Contents:

1. Model Number: HS-SW580
2. Body Description:
 - Dimensions: 151.2 × 108 × 59.5 mm ±1 mm
 - Weight: 204g ±5g
 - Material: ABS
 - Color: Upper + Lower Cover (Color options available)
 - Button printing: ABXY

Electrical Specifications:

- Operating Voltage: DC 3.7V
- Operating Current: 25mA–150mA
- Sleep Current: $\leq 20\mu\text{A}$
- Built-in Lithium Battery: 600mAh
- Charging Voltage: Type-C input 5V
- Charging Current: $\approx 350\text{mA}$
- Bluetooth Version: 5.0
- Transmission Distance: 10 meters
- Port: Type-C
- Battery Life: Up to 10 hours

Packaging:

Depends on customer's design.

Operating Instructions:**1. Mode and Connection Instructions**

- **Switch Mode:** Set mode switch to "NS", press and hold Home button for 3 seconds. LEDs will blink rapidly to enter Bluetooth pairing. Solid LED indicates successful connection. (If pairing fails within 2.5 minutes, the controller will auto sleep.)

- **Supports Switch 2 console. "C" button is a macro key to access the voice interface in-game. Wired headset supported.**

- **Android Gamepad Mode:** Set to "AN", hold HOME 3 seconds. LED2 and LED3 blink rapidly. Display name: Gamepad. Solid LED after pairing.

- **PC Bluetooth Mode (iOS 13 Mode):** Set to "PC", hold HOME 3 seconds. LED1 and LED4 blink rapidly. Display name: Xbox Wireless Controller. Solid LED after pairing.

2. Reconnect: Short press the HOME button to reconnect when the controller is in sleep mode.

3. Sleep & Disconnect:

- Auto sleep when console screen turns off.
- Auto sleep if no input for 5 minutes.
- Hold HOME for 5 seconds to disconnect from host in wireless mode.

4. Charging Indicator:

- When off: LEDs 1–4 blink slowly while charging; turn off when fully charged.
- When connected: current channel LED blinks slowly while charging; remains solid when full.
- During pairing, reconnecting, or low battery: LED indicators show pairing/reconnect status first.

5. Low Voltage Warning:

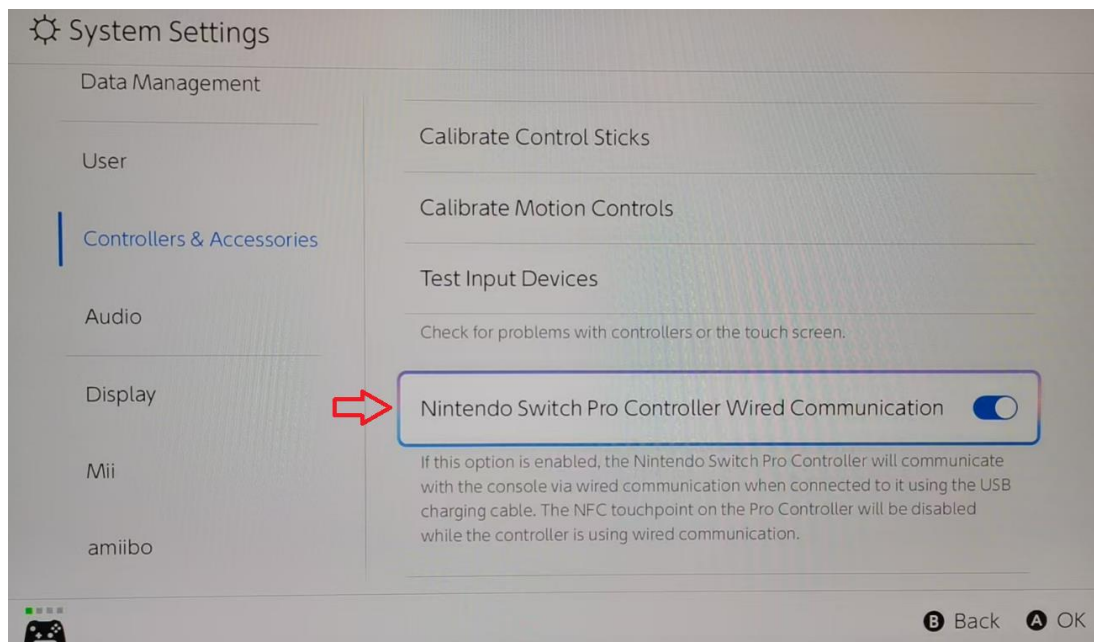
- Battery $< 3.55V \pm 0.1V$: LED fast blinking.
- Battery $< 3.45V \pm 0.1V$: Auto sleep.
- Low battery: fast blinking on the current channel LED.

6. Turbo Function:

- Manual Turbo: Press any action key (A/B/X/Y/L/ZL/R/ZR) + TURBO to activate manual turbo.
- Auto Turbo: Repeat the above with an already turbo-enabled button.
- Clear Turbo: Press again + TURBO to disable.
- Clear All: Hold TURBO > 3 sec, then press "-" to clear all turbo functions.
- Speed Control: TURBO + D-pad UP = faster; TURBO + D-pad DOWN = slower.
 - Speeds: 8Hz, 12Hz, 15Hz (default is 12Hz)
 - Speed not retained after shutdown.

7. Wired Connection:

- Switch 2 wired mode: Please make sure to set "on" on the "Nintendo Switch Pro Controller Wired Communication" function in the Switch 2 console's setting menu. Then, Connect to Switch 2 via USB. 3.5mm Audio/MIC function will also work in wired mode.



- PC: Connect via USB. Indicator remains solid. (Default: X-INPUT mode; long press "-" + "+" to switch to DINPUT)
- Switch: USB to console. Indicator solid. (Audio works)

- PS3: USB to console. Indicator solid.

8. RGB Lighting:

- Rainbow Mode: Left/right sticks show random, different gradient transitions. (Default)
- Single-Color Fade Mode: Red–Orange–Yellow–Green–Cyan–Blue–Purple loop
- Solid Color Mode: Tap light key to cycle through single colors
- Cycle Modes:
 - Double-tap light key: switch to fade mode
 - Double-tap again: turn off
 - Double-tap again: return to rainbow
 - Single-tap: revert to solid color mode and cycle
- No memory after shutdown
- Left RGB syncs with left stick; right RGB with right stick

9. Vibration Adjustment:

- Press L, R, ZL, ZR to toggle vibration levels (feedback vibrates once per change)
- Levels: Strong > Medium > Weak > Off
- Defaults to 100% on startup

10. M Key Macro Programming:

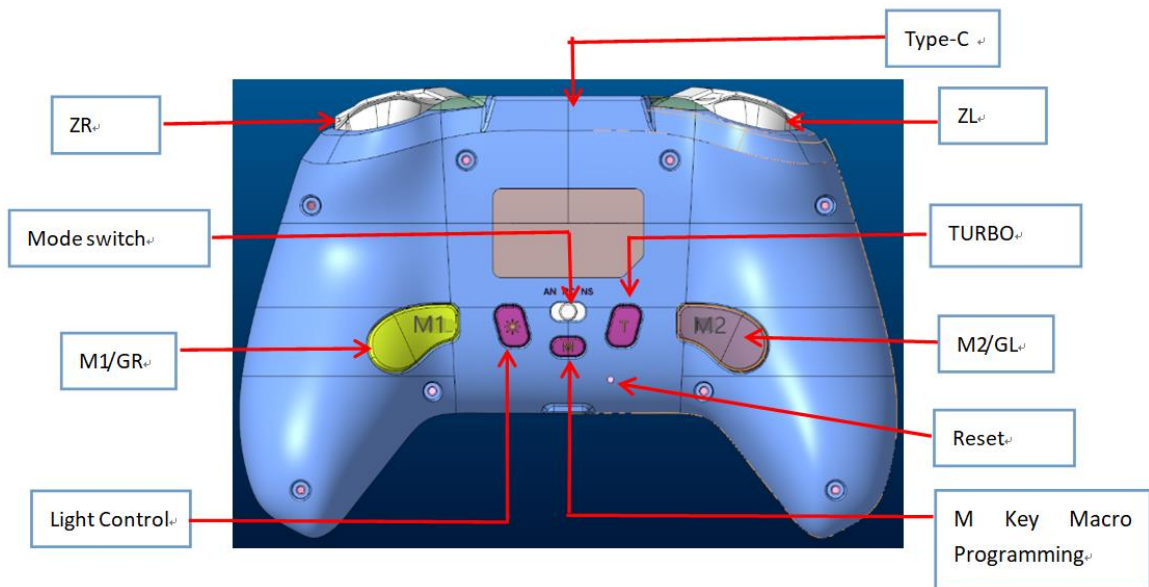
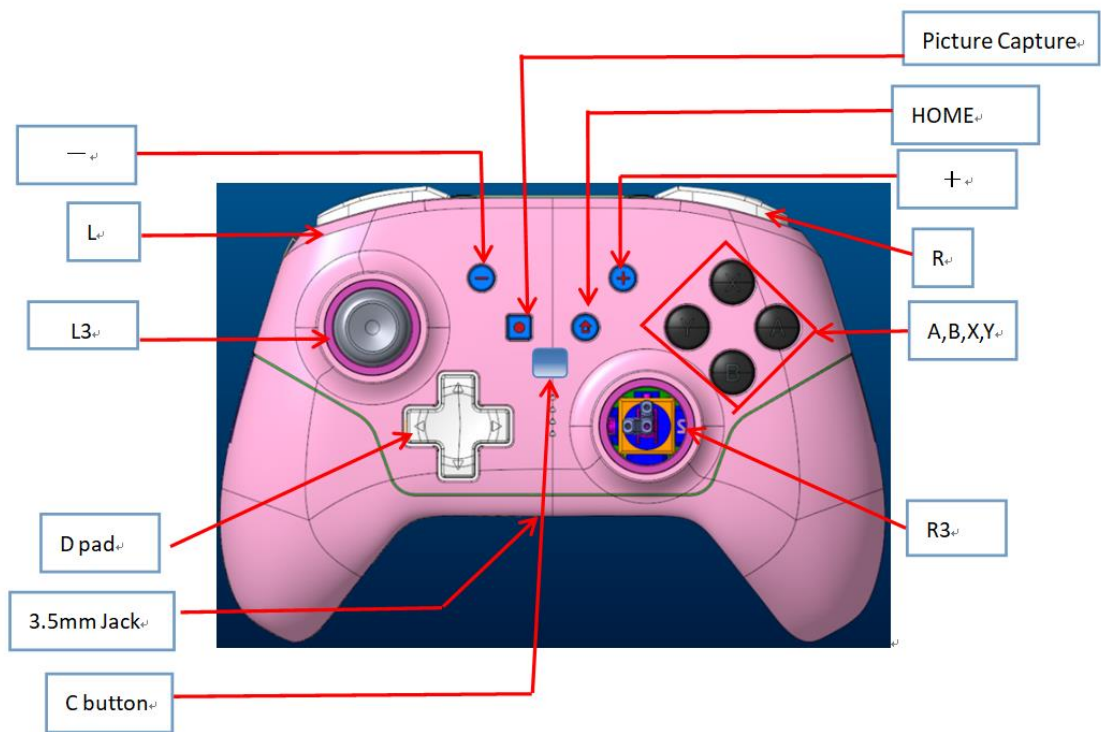
- 2 M keys: M1 and M2
- Mapping keys: ↑/↓/←/→/A/B/X/Y/L/R/ZL/ZR/L3/R3
- Default Mapping: M1 = ZR, M2 = ZL
- To Program:
 - Hold M1 or M2, then press M
 - LEDs 1,2–3,4 alternate flashing
 - Press desired key(s), then press M1/M2 again to save
 - Example: Hold M1, press M, then A, then M1 to map M1 = A
- To Clear Macros: Hold M1 + M2 + M for 3 seconds; LEDs flash once; mappings reset to default
- If no keys pressed during programming, original mapping is cleared

11. Hardware Reset:

Use a pin to press the reset button if controller malfunctions.

12. Firmware Upgrade:

Upgrade via software package and instruction guide.



FCC Warning:

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.

Caution: Any changes or modifications to this device not explicitly approved by manufacturer could void your authority to operate this equipment.

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.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 0cm between the radiator and your body.