

# Switch Wireless Controller

GC-01  
User Manual

**Product Diagram**

Labels for front view: Left Joystick/L3, D-Pad, Capture Button, Turbo Button, USB-C Port, LED Indicator Light, Right Joystick/R3, Programming Mode Button, Home Button.

Labels for back view: Console Latch, Game Card Slot, ZR, ZL, MR, ML, Vibration Adjustment Button, RGB Light Adjustment Button.

Diagram showing USB-C connection: Insert the USB-C, Connect to the console.

**Cautions**

1. Do not let children use it alone
2. This product has a built-in battery, please do not put this product in the fire source, please do not intrude this product into the water
3. Please use the original charging cable to charge

**Product Function Description**

Applicable Console & Connection Methods

1. Applicable Console: Only compatible with Switch 1st Gen console/Switch-OLED.
2. Wired Connection: Connect the controller to the Switch console directly via a USB-C cable—ready to use immediately.
3. Bluetooth Connection (including Wired-Guided Bluetooth):
  - Wired-Guided Bluetooth: First connect to the Switch console with a USB-C cable. After unplugging the cable, the controller will automatically trigger Bluetooth reconnection (no re-pairing needed).
  - Direct Bluetooth Pairing: Long-press the controller's "Home" button for about 3 seconds until the blue LED flashes rapidly, then release. Open the Switch console's pairing interface to complete pairing—once successful, the blue LED stays on (full functions are only available after successful pairing). If pairing fails within 60 seconds, the controller enters standby mode automatically.

**Product Function Description**

1. Home Button Operations in Different States

| Controller State | Operation                | Feedback & Result                                                                                                       |
|------------------|--------------------------|-------------------------------------------------------------------------------------------------------------------------|
| Powered Off      | Press "Home" for 1S      | Blue LED flashes slowly to wake the controller and reconnect to the console; LED stays on after successful reconnection |
| Powered Off      | Long-press "Home" for 3S | Blue LED flashes rapidly—enters Bluetooth pairing mode                                                                  |
| Powered On       | Long-press "Home" for 5S | Controller turns off.                                                                                                   |

2. Console Wake-Up

After the controller is connected to the console, press the "Home" button to wake the console if it is in sleep mode. After waking, the controller enters reconnection mode (blue LED flashes) and will automatically reconnect to the Switch console if the previous pairing is not canceled.

**Manual Calibration (Motion Sensing + 3D Joystick)**

If motion sensing or 3D joystick functions are abnormal (e.g. drift, unresponsiveness), follow these steps to calibrate:

1. When the controller is powered on, press and hold the "Turbo" button and "-" button simultaneously for 1 second—RGB lights (red/blue alternating) flash to enter calibration mode.
2. Rotate the left and right 3D joysticks to their maximum range 2-3 times each (ensure full coverage of the joystick's movement range).
3. Place the controller on a flat table, press the "-" button once—RGB lights return to their original state, and calibration is complete.

**Button Programming (Mapping) Function**

1. Unified Button Naming

To avoid confusion, button names are unified as follows (for reference with the controller's physical diagram):

- Action Buttons: A, B, X, Y
- Shoulder Buttons: L, R (upper small shoulder buttons); ZL, ZR (lower large shoulder buttons)
- Joystick Buttons: L3 (press left joystick), R3 (press right joystick)
- Direction Button: D-PAD (Cross Key; Up/Down/Left/Right)
- Programmable Buttons: Left Programmable Button (custom button on the left side of the controller), Right Programmable Button (custom button on the right side)

2. Programming Method

- 1) Long-press the "M" programming button for 2 seconds—left and right 3D ring lights flash slowly to enter programming mode.
- 2) Press the button to be programmed (options: A/B/X/Y/L/R/ZL/ZR/L3/R3/D-PAD)—left and right 3D ring lights flash rapidly for 1 second, then switch to slow flashing.
- 3) Repeat Step 2 if you need to program additional buttons.
- 4) Press either the "Left Programmable Button" or "Right Programmable Button"—left and right 3D ring lights return to their original state, indicating successful programming of the current button.
- 5) Maximum 16 buttons can be programmed. The controller exits programming mode automatically if no operation is performed for over 1 minute. Programmed functions remain valid after power-off (no need to reconfigure).

|                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                       |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>3. Clear Programming (Restore Default)</p> <p>1. Long-press the "M" programming button for 2 seconds—left and right 3D ring lights flash slowly to enter programming mode.</p> <p>2. Long-press the "M" programming button again for 5 seconds—left and right 3D ring lights return to their original state, indicating all button mapping functions are cleared.</p> | <p>Vibration Function</p> <p>1. Vibration On/Off: Manually enable or disable the controller's vibration motor in the "Settings" menu of the Switch console.</p> <p>2. Vibration Intensity Adjustment**: When the controller is connected to the console, press the "Vibration Adjustment Button" once to switch intensity. There are 4 cyclic levels: 100% → 70% → 30% → 0% (default: 70%). The controller vibrates for 1 second after each adjustment to indicate the current level. It automatically saves the last set intensity—no reconfiguration needed on next startup.</p>                                                                                                                                                                                                                                                        | <p>follows:</p> <p>Press and hold the "Turbo" button and "M" programming button simultaneously for 3 seconds. The controller vibrates once, then turns off automatically. All button mapping functions are cleared, and the controller is restored to factory default settings.</p>                                                                                                                            | <p><b>FCC Caution</b></p> <p>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.</p> <p>Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.</p> <p>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.</p> <p>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:</p> <ul style="list-style-type: none"> <li>-- Reorient or relocate the receiving antenna.</li> <li>-- Increase the separation between the equipment and receiver.</li> <li>-- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.</li> </ul> | <p>-- Consult the dealer or an experienced radio/TV technician for help.</p> <p>The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction.</p> |
| <p><b>Turbo (Auto-Fire) Function &amp; Speed Adjustment</b></p>                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                       |
| <p>I. Enable/Pause/Cancel Turbo</p>                                                                                                                                                                                                                                                                                                                                      | <p>Light Effect Control</p> <p>1. Turn Off Lights: Long-press the "Light Button" on the back of the controller for 3 seconds to turn off the left and right 3D ring lights (lights are on by default when powered on).</p> <p>2. Press the light button to cycle through the following modes: Colorful Running light → Green (Steady On) → Yellow (Steady On) → Light Cyan (Steady On) → Red (Steady On) → Cyan (Steady On) → Blue (Steady On) → Purple (Steady On) → Seven-Color (Steady On) → Green (Breathing) → Yellow (Breathing) → Light Cyan (Breathing) → Red (Breathing) → Cyan (Breathing) → Blue (Breathing) → Purple (Breathing) → Seven-Color (Breathing) → Off → Colorful Running Light.</p> <p>3. The spotlight effect is synchronized with the joystick light effect, and the light settings are automatically saved.</p> | <p>Charging &amp; Battery Information</p> <p>1. Charging Port: Type-C (supports charging via Switch console or external adapter; status display is the same for both).</p> <p>2. Charging Status Prompt: Red LED flashes slowly when charging; red LED stays on when fully charged.</p> <p>3. Battery Specs: Built-in 800mAh Lithium battery; maximum charging current 400mA; full charge takes 3~4 hours.</p> | <p>Standby Mode &amp; Low-Voltage Alert</p> <p>1. Standby/Shut/Down Conditions</p> <ul style="list-style-type: none"> <li>- Long-press the "Home" button for 5 seconds when powered on: Controller turns off.</li> <li>- No successful pairing within 60 seconds in pairing mode: Enters standby mode automatically.</li> <li>- No operation for 5 minutes when connected to the console: Enters standby mode automatically.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                       |
| <p>2. Buttons Supporting Turbo</p> <p>D-PAD (Up/Down/Left/Right), L, ZL, A, B, X, Y, R, ZR</p>                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                       |
| <p>3. Turbo Speed Adjustment</p> <p>Press and hold the "Turbo" button, then move the right 3D joystick up/down to switch between 3 speed levels:</p> <ul style="list-style-type: none"> <li>- High: 20 times/second; Medium: 12 times/second; Low: 5 times/second (default: Low).</li> </ul>                                                                             | <p>Restore Factory Settings</p> <p>If the controller malfunctions (e.g., unresponsive buttons, function errors), restore factory settings as follows:</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                       |
| <p>- 5 -</p>                                                                                                                                                                                                                                                                                                                                                             | <p>- 6 -</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | <p>- 7 -</p>                                                                                                                                                                                                                                                                                                                                                                                                   | <p>- 8 -</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | <p>- 9 -</p>                                                                                                                                                                                                                          |

