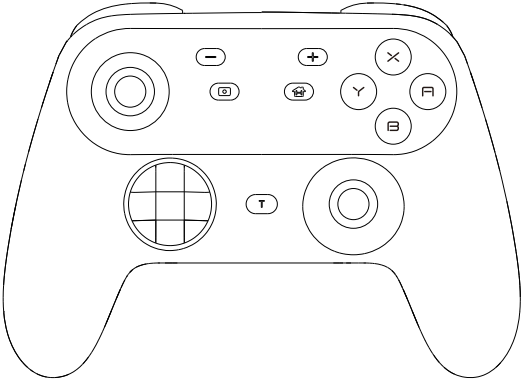
User Manual

Switch Bluetooth Controller

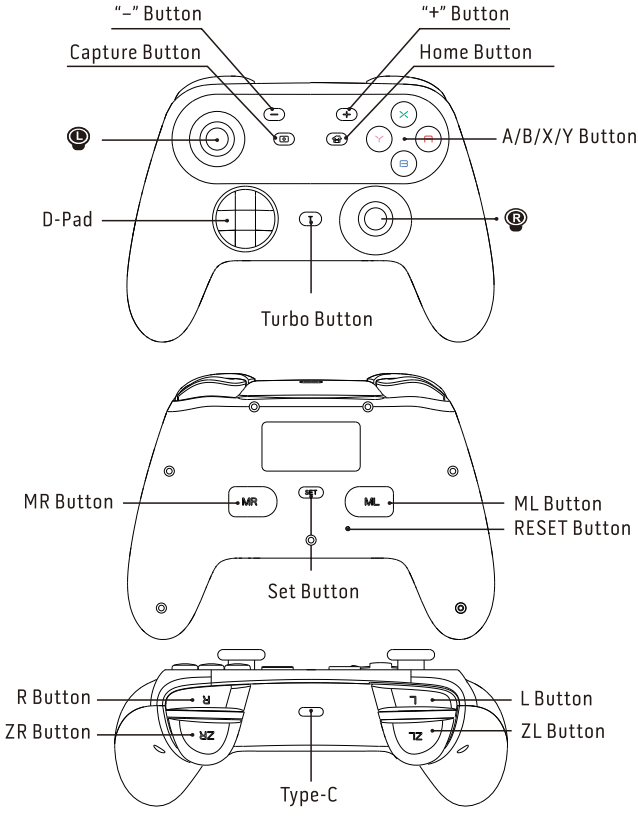
(With programming function)



HY-9017

Application Instruction

The controller supports Switch / Xinput / Dinput / Android;
The controller works with Dongle.
The color of lights (Except the RGB light, others are single color)



Connection Instruction

- Connect to Switch via cable:
  1) Make sure the Switch console has allowed controller to build wired communication in “Settings”: (“Settings” > “Controller and Sensors” > “Pro Controller Wired Communication” > “On”;
  2) Put the Switch console on the Switch Dock, use appendant Type-C cable to connect to the USB port on the dock, and then the controller will build communication with the console automatically. The channel indicator light keeps on which means the connection has been built successfully.
- Connect to Switch via Bluetooth:
  1) Press “Home” button to enter the main interface, choose: “Controller and Sensors” > “Change Grip / Order”;
  2) Long press “Home” button for 3 seconds to power on the controller and start pairing. While pairing, the LED indicator lights flash circularly.
  3) If pairing succeeds, the motor will vibrate for a second. The channel light will keep on.
  4) After the first connection, the controller will be allowed to wake up from sleeping mode by pressing ”Home” button, and it will automatically reconnect to the console.
- PS3 mode:
  1) If the controller has not connected to the console before or has been connected to other console in the past, firstly user needs to use a USB cable to build wired communication between controller and the PS3 console. During the wired communication the programs will start pairing. After the process, user can use Bluetooth to build wireless communication.
  2) The controller connects to the PS3 console via USB cable. After the cable is removed,the controller will reconnect to the console via Bluetooth automatically.
- Android mode:
  1) Press B + HOME to power on the controller and enter Android pairing mode.
  2) The LED indicator lights 1 to 4 flash circularly. Turn on Bluetooth on Android device. Find “Gamepad” and connect.
  3) After pairing succeeds, LED1 will keep on.Support mouse function. Press button combo (L and R) to turn on the mouse function. (Bluetooth connection)
- PC mode (Wired communication):
  1) When the controller is power off, it can be connected with Windows (PC) via USB cable. When connection succeeds, it defaults to XINPUT mode and LED2 will keep on.
  2) Long press button combo ('+' and '-') for 5 seconds to change to DINPUT mode and LED 3 channel light will on.

- PC mode (Bluetooth communication):
  Press R + HOME to power on the controller and enter Blue tooth pairing mode.The channel lights flash quickly. Turn on the Bluetooth on computer, search the device and click to pair. When pairing succeeds, the channel lights stop flashing and keep on. (“Settings > “Devices” > “Bluetooth and other devices” >“Add Bluetooth & other device”)
- PC mode (via Dongle):
  1) Press X + HOME to power on the controller and enter Bluetooth pairing mode.The channel lights flash quickly.;
  2) Plug Dongle into PC and move the controller close to Dongle, it will pair automatically. When pairing succeeds, the channel lights stop flashing and keep on. (default to be X-input mode)

How to adjust the strength of vibration

1) When the controller builds a connection or finishes a setting successfully, the motor will vibrate to indicate;
2) The strength of vibration
   Four level strength can be adjusted:
   0% (off) - 30% - 50% (default) - 100%
3) Setup strength
   Long press “T” button + “up”/“down” in D-pad to increase/decrease the vibration strength; the motor will vibrate indicating the setting of strength is done successfully.
   The setting of vibrating strength will be circular: 0 - 30% - 50% - 100% ; the controller will memorize the strength when power off.

RGB display light management

There are two groups of RGB rights. Both two groups are circularly running with 4 colors while working

The programming function

Xinput, Dinput and Switch share the same database of programming history, and the setting will be memorized when power off.

1) One setting button SET and two programming buttons ML, MR
2) Buttons can be set up programming function: A, B, X, Y, L, ZL, R, ZR, D-pad, L R.
3) Each programming button can be written to single action button or a combination. (16 buttons are allowed in a combination at most)
4) Setting method:
   Press ML/MR + SET combination to enter program writing mode, and the channel light will flash. Press the button combination you want to write (eg. X, Y, L), and press ML/MR again to confirm. When finish setting, the channel light keeps on and the motor will vibrate to indicate.

5) Clear the written programs:
Press ML/MR + SET combination to enter program writing mode, and the channel light will flash.Do not press any button but only ML/MR again to clear the previous setting. The channel light keeps on.
6) One-click to clear:
Hold the T button for 5 seconds, the motor will vibrate and channel light change from flashing to previous display to indicate the written programs have been cleared.
PS: If there is no operation in 10 seconds, the controller will quit programming mode and restore the previous function.

TURBO function setting

1) Three levels can be set: Manual > Automatic > Cancel
Manual Turbo: Press Turbo and any action button can set up Turbo function for that button.
Automatic Turbo: Repeat the previous operation (Turbo + action button) can set up automatic Turbo function for that button. (single press the button to pause/continue the automatic turbo function)
Repeat the operation again (Turbo +action button) can cancel the Turbo function for the button.
Buttons can be set up turbo function: A, B, X, Y, L, ZL, R, ZR. The relevant channel light will flash quickly indicating the function has been set.
2) Turbo speed adjustment:
Press T + Left / Right button in D-pad to adjust the speed of TURBO. The motor will vibrate to indicate when setting is done.
Three speed levels can be switched: 5 shot/second > 12 shot/second (default) > 20 shot / second. The controller will memorize the speed when power off.
3) Clear: Press Turbo + screenshot button to clear all the previous settings of turbo function.

Calibrate the sticks and bumpers

1) Start: Press “Turbo” + “+” + HOME, the channel light flashes.
2) Calibrate: drive the 3D joysticks slowly for 2-3 round, click the bumpers slowly for 2-3 times.
3) Quit: press “-” to quit calibrating.
4) The setting will be memorized after power off.

Sensor calibration

When power off, put the controller on a flat surface, press and hold the button combo (“-” and HOME) to turn on and enter calibration mode. The channel lights flash. Press “+” to calibrate. It will quit calibrating automatically when finished.

Power on / power off / low power / low voltage / charging

1) Long press Home for 3 seconds to power on the controller and start pairing. If it cannot be paired in 60 seconds, the controller will power off automatically.
2) Press Home button to power on the controller and it will reconnect back to the console. If it cannot reconnect in 30 seconds the controller will power off automatically.
3) While connecting, if there is no any operation in 5 minutes the controller will power off automatically, except when the TURBO function has been set.
4) While connecting, if there is no any operation in 5 minutes the controller will power off automatically, except when the TURBO function has been set.
5) While connecting, if the battery voltage is lower than 3.5V (±0.05V), the channel light will flash to indicate.
6) While connecting, if the battery voltage is lower than 3.35V (±0.05V), the controller will power off acutmatically.
7) Charging when power off: channel lights flash while charging, and lights go off after full charged. Charging when power on: channel lights flash while charging, and lights keep on after full charged.

Restore the factory default setting

Hold Ⓛ+Ⓡ for 5 seconds, the controller will restore the factory default setting. For example, the motor vibration strength restores to 50%, TURBO speed restores to 12Hz, the display light intensity restores to 2nd level (60%), the RGB light restores to multiple colors running mode.

RESET the controller

When the controller works abnormally, user can set the controller status by pressing the reset button on the back side with a little stick. User will hear a “ka-da” sound and the controller will power off, which means it has been reset successfully. Resetting will not delete any data has been set up before (written programs/ vibration strength/ Turbo).

Clear the Bluetooth pairing data

While power on, press - and Ⓡ at the same time and hold for 5 seconds, the pairing information will be cleared.
PS: The setting information can be memorized: Programming / vibration intensity / Turbo.
The setting do not need to be memorized: display light intensity / RGB display mode / channel light flashing frequency.