GTcoupe®

IX-SW112 Switch mini Wireless Controller Specifications	File：	
	Date：2019/09/18	
	Version：	A4

Model: IX-SW112

Ⅰ. **Controller schematic diagram**
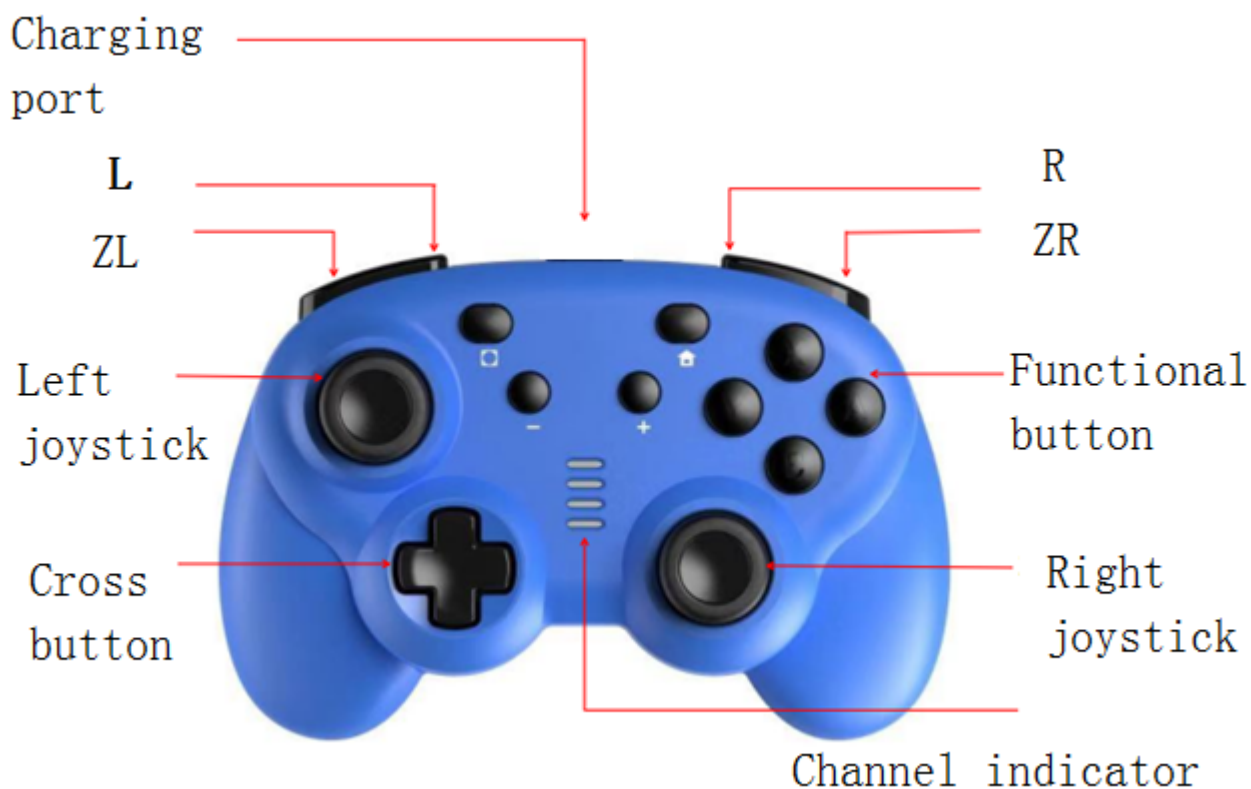
Note：3D Left Joystick can be L3 when vertical press; 3D Right Joystick can be R3 when vertical press, reset button is a little hole on back of the controller.

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Ⅱ. Overview

1.Support Nintendo Switch Console above 3.0.0.

2.Wireless Controller Bluetooth transmission distance is 8-10M without barrier.

3.Wired mode support SWITCH, PC XINPUT and PC D_INPUT.

4.Controller buttons: Up, Down, Left, Right, A, B, X, Y, L, R, ZL, ZR, L3, R3, +, -, HOME, Screen capture, reset.

5.Support two 3D analog joysticks.

6.Auto-sleep: will enter into auto-sleep mode if no operations in 5 minutes or failed to connect with previous controller.

7.Controller support six axis.

8.Controller support updating program through USB cable(Controller should press reset button once to work properly after updating program).

9.Wireless controller reset button, press once can resume to default settings.

10.Controller working Voltage: DC 3.7V, working current: 30mA±5mA

Ⅲ. Operation Instruction

Note: Set your controller before using for Wired Controller

  Step 1: Turn on Switch console, enter into console's main interface;

  Step 2: Choose "System Settings", select "Controllers and Sensors"；

  Step 3: Set "Controller Vibration" switch into "ON"；

  Step 4: Set "Pro Controller Wired Communication" switch into "ON"；

1. SWITCH console Bluetooth connection

  Step 1: Entering SWITCH console connecting mode,

  Step 2: Controller enter into pairing mode by pressing Y+HOME 3s. Four channel indicators will continuous light from top to bottom accordingly. In 2 minutes, controller has one or a few LED solid lights that shows connecting succeed (channel lights allocated by SWITCH console)

  Step 3: Press controller button A to confirm. And enter into Switch console settings or start game.

2. SWITCH wired connection (with OTG cable)

  Step 1: Connect OTG cable with console

  Step 2: Connect controller USB cable with OTG cables' USB port, and press button A to confirm. Connect succeed, blue channel lights is allocated by Switch console and that shows player can start game.

3. SWITCH console wired connection through docking

  Step 1: Turn on Switch console, enter into main interface；

  Step 2: Controller connect with TV through Dock and output video to TV；

  Step 3: Connect controller USB with Dock USB port, press controller button A to confirm. Connect

succeed, blue channel lights is allocated by Switch console and that shows player can start game.

4. PC wired connection (PC mode not support Bluetooth connection)

Wired mode support X-INPUT & D-INPUT, shift by pressing HOME button 5s and support dynamic shift, no need to re-insert controller USB cable. Also it memories previous operate mode.

LED 1 and LED2 will be solid light when under PC Xinput mode;

LED 2 and LED3 will be solid light when under PC Dinput simulation mode;

LED 1 and LED3 will be solid light when under PC Dinput digital mode;

PC Dinput simulation mode and PC Dinput digital mode can be shift by short press HOME button.

Ⅳ**. Controller supported platforms**

Wired mode: support SWITCH、PC DINPUT、PC XINPUT mode

Wireless Bluetooth mode: SWITCH mode

Ⅴ**. Different LED lights on different platforms**

PC XINPUT：■■□□

PC DINPUT(simulation mode)：□■■□

PC DINPUT(digital mode)：■□■□

Switch：Auto allocation

Ⅵ**. Controller Power on/off Status and Mode Instruction**

Controller power off：Long press HOME button 5s to power off Controller

Code match status：Controller's LED light will be solid one by one when after entering Code match mode, corresponding mode LED light is solid if Bluetooth connecting success. Controller will auto-sleep if code match not success in 2mins.

Connecting previous console mode：Controller can be waked by pressing HOME button 3s, and will auto match previous console. Its corresponding mode LED flashes with 2Hz (lower flash). The corresponding mode LED light is solid when Bluetooth success connect. Controller will auto-sleep when failed connection after 20s.

Low-voltage of battery：LED flashes(short flash) according to different mode.

Battery specifications:

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NO.	Item	Standard Parameter
1	Rated Voltage	3.7V
2	Rated Capability	350mAh
3	Internal Impedance	≤120mΩ
4	Charge Limit Voltage	4.20±0.05V
5	Discharge Limit Voltage	2.8±0.05V
6	Overcharge Detection Voltage	4.275±0.025V
7	Overcharge Release Voltage	4.175-0.025V
8	Discharge Limit voltage	2.8±0.05V
9	Over-discharge Detection Voltage	2.75±0.08V
10	Over-discharge Release Voltage	2.85±0.05V
11	Over-current Detection value	2.2±0.05A
12	Battery size	6.0*17*35MM Cable Length 35MM

Controller built in 3.7V/350mAH lithium battery which can repeat charge.
The charging time is about 2 hours and the usage time can up to 8 hours after full-charged.
Remarks: The above charging time and usage time data are for reference only.

Ⅶ.Device name on different modes
PC DINPUT: Device name shows CYBER GRYO CONTROLLER MINI for SWITCH
PC XINPUT: Device name shows Xbox 360 Controller for Windows

FCC STATEMENT :

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

This device may not cause harmful interference, and

This device must accept any interference received, including interference that may cause undesired operation.

Warning: 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.

RF warning statement:

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