

XXXX Bluetooth Switch handle NFC with wake-up function (standard version)

Operating instructions V1.1 (2021-2-20)

1. Bluetooth pairing mode

Use USB to plug in the cable for the first time (boot), and then directly press the HOME button to connect back, or press and hold the independent pairing button for 3 seconds to enter the Bluetooth pairing mode, and the LED1-LED4 marquee flashes quickly.

Automatically identify the SWITCH host. After the connection is successful, the corresponding channel indicator LED is always on (assigned by the Switch host).

Automatically recognize the PC platform, LED1 will be on after the connection is successful;

If the STEAM platform is installed on the PC (Steam is in the switch mode), the LED will follow the Steam platform allocation instructions.

If the pairing is unsuccessful within 2.5 minutes, the handle will automatically sleep.

2. Reconnect mode

Short press the handle HOME key or other number keys to wake up the handle, LED1-LED4 marquee flashes, automatically connect to the previously paired host, and automatically go to sleep if the connection is unsuccessful within 10 seconds.

If the SWITCH host is in sleep mode (not in airplane mode), press the HOME button to wake up the host.

3. Charging instructions

When the handle is turned off, LED4 flashes slowly when charging, and LED4 is always on when it is full;

Low battery voltage alarm: the current indicator flashes (fast flash);

When charging, the current channel indicator flashes (slowly flashing), and the current indicator is always on when fully charged;

When pairing, reconnect charging or low battery, pairing, reconnect LED indication takes priority.

4. Automatic sleep

The host screen is turned off, and the handle automatically sleeps

If no button is pressed within 5 minutes, it will automatically go to sleep (including the sensor does not move). (Time can be adjusted according to needs)

In Bluetooth mode, press the HOME button for 3 seconds to disconnect the host, and

the handle sleeps. (Time can be adjusted according to needs)

5. Low voltage alarm

If the voltage of the lithium battery is lower than $3.55V \pm 0.1V$, the current channel light flashes quickly to indicate that the voltage is low; (the voltage can be adjusted according to requirements)

If the voltage of the lithium battery is lower than $3.45V \pm 0.1V$, it will automatically sleep; (the voltage can be adjusted according to requirements)

6. Battery indicator

T key + arrow keys left or right / switch (can display power) with 4 indicator lights (flash for 3 seconds), automatically switch back to the channel light after 3 seconds / can switch back to the channel light to display in blue

7. Turbo and AUTO TURBO functions

A. Turbo setting, in any mode:

Press (for the first time) A/B/X/Y/L1/L2/R1/R2/Cross key and Turbo key to set Turbo function;

Press the A/B/X/Y/L1/L2/R1/R2/cross key and TURBO again (the second time) to realize the AUTO TURBO function.

Press the A/B/X/Y/L1/L2/R1/R2/cross key and TURBO again (the third time) to clear the current Turbo function.

Long press the Turbo button for 5 seconds to clear all Turbo functions.

B. TURBO speed adjustment

Turbo is divided into three gears:

A, continuous burst 5 times per second (1 gear); B, continuous burst 12 times per second (2 gears); C, continuous burst 20 times per second (3 gears);

In Turbo function, the mode light flashes at the corresponding speed, the first speed flashes slowly, the second speed flashes at the medium speed, and the third speed flashes quickly (each vibration prompt)

Adjustment method: press TURBO key to increase "+" speed to increase by one gear; press TURBO key + "-" to decrease speed by one gear;

When the power is turned on for the first time, the default is second gear, and the current gear is memorized after adjustment. When the handle is reset, the default is second gear after power-on;

8. USB wired mode

Automatically recognize the Switch platform, PC platform, and Android platform.

Under the PC platform, it is automatically recognized as X-INPUT mode by default, and LED1+LED4 is on

You can press and hold the '+' key and the '-' key for 3 seconds to switch the D-INPUT mode.

Note: When the USB cable is inserted, the Bluetooth will be cut off. When the USB cable is unplugged, the handle will automatically reconnect

9. Motor vibration adjustment function

Press Turbo and "arrow keys up" (about 3S) at the same time to increase the motor vibration, while holding down TURBO and "arrow keys down" (about 3S) can make the motor vibration weaker; motor vibration is divided into 5 levels, each time you go up The machine defaults to the maximum 30% level, and then the classification is carried out in such a way as 100% (maximum) -75%-50%-30%-0% (no vibration);

The vibration intensity of this motor is only valid in SWITCH, and it is invalid under PC and Android!

10. Handle hardware reset

Keep pressing the HOME button for more than 10 seconds, the controller hardware will be reset.

11. NFC function

Need to support NFC function, preferably PCB antenna, try to draw the antenna on the motherboard

12. Reset button to cancel

13. Support audio

14. The screenshot button has no function on PC and Android platforms

15. Reserved Bluetooth receiver mode

16. Lighting control instructions (A red light) (B green light) (X yellow light) (Y blue light)

The left 3D joystick has 4 RGB lights and 4 different color LEDs (LED1: Green LED2: Yellow LED3: Blue LED4: Red)

The right 3D joystick has 4 RGB lights and 4 different color LEDs (LED1: Green LED2: Yellow LED3: Blue LED4: Red)

A B X Y: (A red light) (B green light) (X yellow light) (Y blue light)

Every time you adjust the light motor vibration reminder, and remember the current

mode.

- A. Turn on the mode to recognize the 3D and A B X Y button LED lights, (3D is blue light)
- B. Click the light button: turn on the joystick LED (blue) and the A B X Y button LED;
- C. Click the light button again: the color of the joystick LED light changes, and click to change a color; sequence: blue, red, green, yellow, cyan, orange, purple, pink, illusion, cycle change; Abxy lights remain unchanged (The left and right joysticks change synchronously)
- D. Double-click the light button: turn off the rocker light and the A B X Y button LED;
- E. Press and hold the light key + A: Breathing mode: A B X Y key four LED lights and rocker LED light breathing effect; (the rocker LED is the current light breathing);
- F. Press and hold the light button + B: Vibration mode: 1. When the motor is not vibrating, the LED is all off;
- 2. When the motor is vibrating, the A B X Y button LED lights and the rocker LED lights will light up (the rocker LED is the current light breathing);

Boot default instructions:

- 1. After turning on for the first time/or pressing the RESET button: bright blue;
- 2. After the handle is used: every time the handle is turned on, the default mode before the last shutdown is lighted. (Except that the handle is completely out of power support/after pressing RESET)
- 3. The PCB needs to be made with LED and without LED, two versions (if you want the light to stick to the light, don't stick to the light if you don't need it)

WRNING

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

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 estriction