

Smart Switch User manual

NEXBANG

Product Introduction

Smart switch is designed on basis of ZigBee wireless technology. Relying on its cute and delicate design, it can be easily embedded into the light device and at the bottom of switch box. With this smart switch embedded, the traditional light device can be upgraded to be smart one.

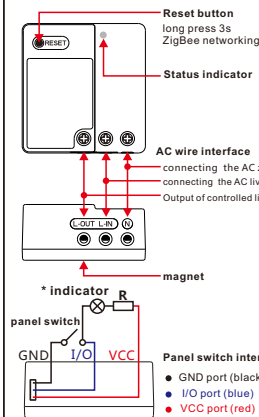
***this product is only for indoor use, and should be used together with gateway (please refer to "connect gateway")**

Model & Function

Model No.	Function configuration
NDCK-00	ALL

Basic Parameters

Input voltage : AC 100~240V
50/60Hz
Rated power : ≤1000W
(For capacitive load, the voltage should be reduced properly to use)
Working Temp. : -5°C~+50°C
Working Humidity : ≤95%RH
(No condensation)
Communication mode : ZigBee
Communication distance:
open place >30m
Size: 50*48*22mm



***Products will be a little different due to different configuration; the image is for your reference only.**
Optional is indicating light, and if without panel switch, you don't need to connect panel switch either.

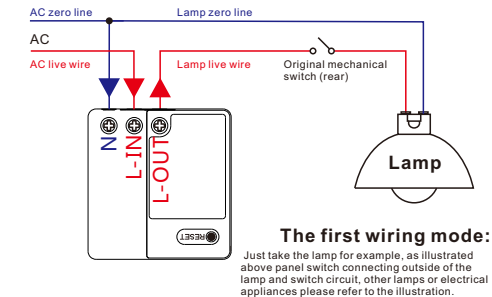
Installation

***Note: Be sure to power off before connecting to avoid electric shock.**

1, Wire connection mode :

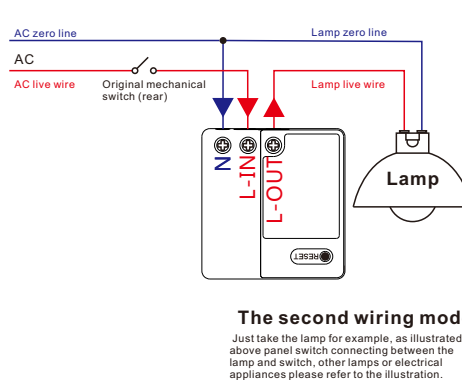
Power off the AC, re-wiring as shown in the diagram below

The back of the product has a magnet, which can be directly adsorbed on the lamp base or iron products.



The first wiring mode:

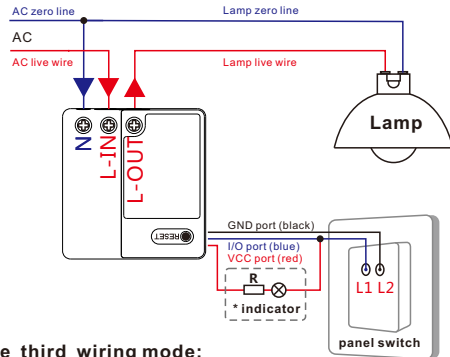
Just take the lamp for example, as illustrated above panel switch connecting outside of the lamp and switch circuit, other lamps or electrical appliances please refer to the illustration.



The second wiring mode:

Just take the lamp for example, as illustrated above panel switch connecting between the lamp and switch, other lamps or electrical appliances please refer to the illustration.

***Suggestion is to set the smart switch as the connecting mode by default. Under this 2nd connection mode, the front physical switch can independently control the lamps.**



The third wiring mode:

After panel switch is connected to the weak current interface of the switch box, we can put the switch box at the bottom box to achieve simultaneous control of the lamps through both of the panel switch and the switch box.

***Before installation, make sure that there is enough space in the bottom box to place the smart switch box. Depending on the panel, the wiring name will be different; simply connect the black and blue wire to the panel switch terminal would be fine. Optional is indicator, if there is no panel switch, we could just ignore it. To ensure that the indicator light can be lit, R- the resistor value should be 560-680 ohm Ω.**

@Switch box default status setting

When first power on or off and then call on again, the live wire controlled by switch box has three following power modes to choose from:

Default on (factory default): if power off and then call, it will maintain "power on"
Default off: if power off and then call, it will maintain "power off"
Memory mode: if power off and then call, it will return to the status (on or off), prior to power off

You can press the "RESET" button three times in a row and then press the "RESET" button in 12s to select the mode you want to use according to the status of the indicator light

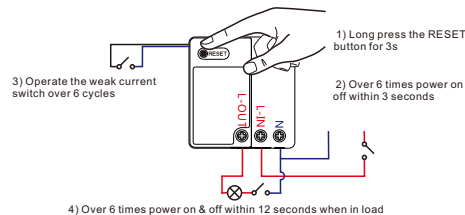
Connect with the hub/gateway

1. Refer to the user manual of hub/gateway, activate the function of "add sub-device" and enter networking status.

2. Activate the networking mode of the smart switch box: you can select any one of the following 4 operating modes to activate.

- 1) Long press the RESET button for 3s
- 2) Over 6 times power on & off within 3 seconds
- 3) Operate the weak current switch over 6 cycles
- 4) Over 6 times power on & off within 12 seconds when in load

3. After activated the networking, the prompts will show that you've succeeded in adding the device, and then you can use it.



*Bind the remote control button

*Remote control button is optional

Bind the remote control button: you can easily control the device without your mobile phone.
After smart switch is in normal usage, either switch box power off and then call on, or APP press 6 times within 3s, as long as one way is within 30s, you can short press the remote control button to reset and bind, after bound, you can remote control the smart box.

To replace or delete the bound, simply short press the remote control button to reset and cancel the bound, and then if re-operation, it could also be bound again.

FAQ

1. Fail to add device.

Make sure that before the switch box networking, the gateway is already set by the APP to the networking state

2. How to replace the hub/ gateway that has been connected to the switch box?

To replace the hub/ gateway that has been connected, we can simply follow "Connect hub/gateway" to activate networking for re-connection, or delete the switch box in app, and then re-operate "Connect hub/gateway"

3. APP/Unable to control switch via APP/remote control/panel switch.

Please check if the following occurs:

- 1) AC is power off or been cut off by the original front mechanical switch.
- 2) Whether the hub/gateway is working properly (For details, please refer to hub/gateway user manual).
- 3) Whether the device or hub/gateway position moved, so the hub/gateway Zigbee signal cannot effectively cover the location of the device.
- 4) Whether the device connection is loose.
- 5) If the above situation has been excluded, and it still cannot work, you can press the RESET button for more than 6s to restore the factory settings and then re-connected to the hub/ gateway.

Electronic Production Hazardous Chemicals Statement

Unit	Hazardous substance or element					
	Pb	Hg	Cd	Cr (VI)	PBB	PBDE
Smart Camera	○	○	○	○	○	○
Remark: 1) "○" shows that the content of that hazardous substance in this unit's all homogeneity material is under the limitation requirement of SJ/T 11363-2006 standard. 2) "X" shows that the content of that hazardous substance in this unit's some homogeneity material is beyond the limitation requirement of SJ/T 11363-2006 standard.						

***Environmental Protection Tip:**
Regarding products meeting or exceeding the environmental usage age, you can recycle and reuse it according to "electronic products management and control methods".

CERTIFICATE OF APPROVAL

INSPECTOR : _____

PRODUCTION DATE : _____



Mark: The products, applications, interface mentioned in the user manual will be improved or updated after products sold. We will not inform every customer when the user manual is updated. If you found the difference between the actual products and this user manual when you are using our products or applications, please pay attention to our official website. Thank you.

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FCC Warning:

Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the 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.

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.

FCC Radiation Exposure Statement:

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment.

This equipment should be installed and operated with minimum distance 20cm between the radiator and your body.

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.