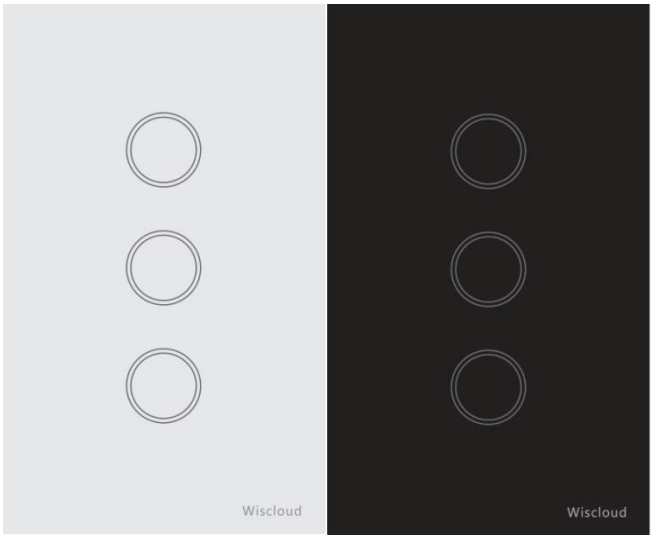
Smart Switch-US peration Manual

US Edition

http://en.iwiscloud.com



Warning:

Wiscloud smart light switch should be installed by qualified electrician and used in accordance with appropriate codes and regulation.
Please do not attempt to dismantle this delicate product, willful manipulation might lead to electrical failure. Warranty will be void if product is found to be tampered with.

Disclaimer:
There might be discrepancies with this manual and the actual product received as our product is constantly being improved upon. Please go to http://en.iwiscloud.com to download the latest product manual. This product is only to be used as intended and any misuse will void the warranty of the product.
Wiscloud is grateful for your choice to purchase our iWiscloud smart switch. For your safety and maximizing our product capabilities, we would highly encourage you to study this operation manual in details and safe keep for future reference.

1. Product Introduction

This product had been designed and manufactured in accordance to strict International safety standards and achieved 3C & CE certifications. *(In the Midst of applying for FCC & LC certifications)*

1.1. Key Features:

- Simple installation, no re-wiring necessary
- Intrinsic safety designed switch features spark-less, over-voltage, & over-heating prevention measures
- Tempered glass panel facade design
  - Stylish and safe
  - High reliability and stability
  - Insulation for "wet hands" operation
  - Reactive touch button sensor
- iWiscloud smart switches automatically establish local out-of-band 2.4Ghz mesh control network when deployed
- Riding on proprietary Nebula protocol, our switch has self-learning programmable functions that achieve
  - One button press to control multiple switch outputs
  - Multi button to control one common output
  - One button press to activate multi-level floors switches
- Deployed with iWiscloud Smart Home Control Center allows additional features.
  - Status feedback of smart switches
  - Control it remotely via smartphone or webpages
  - Build your own unique lighting profile

1.2. Product model summary

Model Category	Model no.	Relay used	No. of terminal (gang)
Basic	Wis-SN-N1-B-R	Relay version	1-gang switch
	Wis-SN-N2-B		2-gang switch
	Wis-SN-N3-B		3-gang switch
	Wis-SN-N1-B-BTA	BTA version	1-gang switch
	Wis-SN-N2-B		2-gang switch

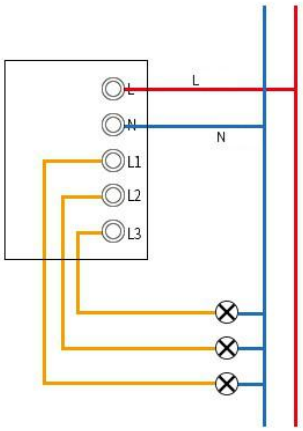
	Wis-SN-N3-B		3-gang switch
Elite	To input		1-gang switch
	To input		2-gang switch
	To input		3-gang switch
	To input		1-gang switch
	To input		2-gang switch
	To input		3-gang switch
Professional	To input		1-gang switch
	To input		2-gang switch
	To input		3-gang switch
	To input		1-gang switch
	To input		2-gang switch
	To input		3-gang switch

1.3 Product functions

The iWiscloud smart light switch has many functions to assist you in your everyday life. Please refer to the summary table below on the different models and its respective functions.

Function	Steps Ref	Description	Model		
			Basic	Elite	Pro
"Single gang" pairing mode	2.1	Programming paired smart switch (gang) terminal points *Note: Model limit no. of paired terminals*	(3)	(10)	(10)
"Electronic status feedback" pairing mode	2.2	To reflect status feedback from other paired terminal points.			
"Reset pairing" mode	2.3	To reset pairing instructions for selected terminal			
"Paired feedback" pairing mode	2.4	Status reporting pairing to iWiscloud control centre or Wisbox Mini on device functional status, operating hours & energy consumption (current & voltage)	x		
"Trigger" mode	2.5	Momentary activation of the switch relay. Commonly used for doorbells like			
"Repeater" mode	2.7	Repeat received instructions to other switches for range extension			
"Factory reset" mode	2.8	Return the smart switch to its initial configuration			
Sparkless design		Arcless switch design, prevent spark creation			
Anti-overvoltage		Overvoltage prevention mechanism			
Anti-overheating		Overheating prevention mechanism			

1.4 Product Wiring Diagram



Three-gang switch terminal port

Red: Live	Blue: Neutral	Yellow Line: Load

One-gang switch terminal ports

L	N	L2

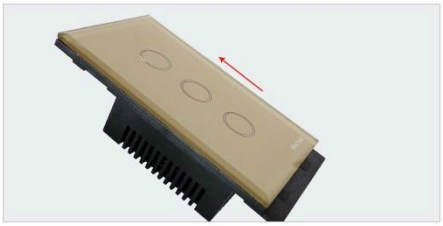
Two-gang switch terminal ports

L	N	L1 (1)	L3 (2)

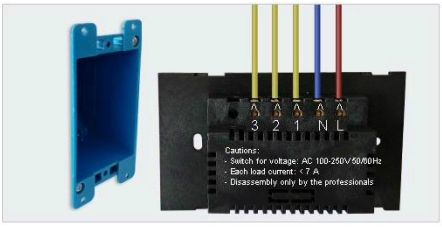
Three-gang switch terminal ports

L	N	L1	L2	L3

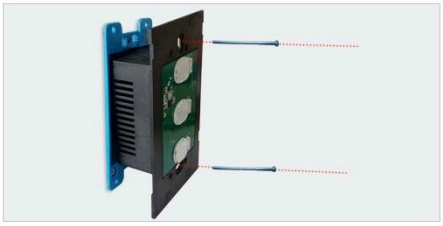
1.5 Installation steps



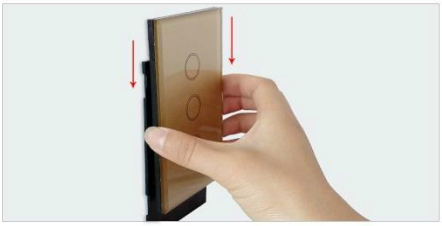
1. Panel face slides up and off



2. Connect wires in accordance with label instructions on the back.



3. After connecting, place into switch plate box, screw.



4. Slide the panel facade back into place

Warning: Ensure power is off during entire installation until complete
Suggestion: We suggest an electrical technician perform the installation

1.6 Product specifications

Operating voltage：	100-240VAC 50\60Hz (Relay) 100-125VAC 50\60Hz (BTA)
Load breakage capacity：	Overall 1500W (Relay) Per gang point ≤200W (BTA)
Energy consumption:	<0.5W
Gang terminal touch-sensory lifespan:	≥ 100,000 times at 220V operating voltage
Working Temperature：	-50°F to 140°F (-10°C to 60°C)
Dimensions:	4.8 in * 2.9 in (122mm * 74mm)
Cover Material：	ABSNon-flammable material
Transmission frequency：	2.4GHz
Installation limitation：	It cannot be installed in a metal shield and

	magnetic interference place

2 Operational function steps

iWiscloud smart switches have features that are activated by pressing and holding on gang terminals for varying length of time. The following paragraphs describe each of these features according.

2.1 Single gang pairing mode:

Begin by pressing and holding on to the to-be-paired button. Let go the button after the first buzzer sound and the selected button should flash in blue. This would indicate it is in single gang pairing mode. Next, press the stimulus (neighbor iWiscloud switch button or Wisbox Mini smart light icon or iWiscloud smart home control center icon) that you like to associate with the to-be-paired button. The "pairing" process is complete after the to-be-paired button stop flashing. From then onwards, this button will be activated whenever the associated stimulus is activated.

2.2 Electronic status feedback pairing

Press and hold onto any button on the switch for two buzzer sounds. While in this pairing mode, all the buttons should sequentially flash in blue. Now, select the power consumption button on iWiscloud Control Centre or Wisbox Mini to complete the pairing. From then, this smart switch report electronic status to iWiscloud Control Centre or Wisbox Mini on switch functional status, operating hours & energy consumption (current & voltage)

2.3 Reset pairing

To reset a particular button of this switch, simply press on to the "to-be-reset" button. Let go after 3 buzzer sounds. The button should flash in blue for a couple of times to indicate all earlier paired instructions are cleared.

2.4 Paired feedback pairing (whole switch)

Press and hold the any button for 4 buzzer sounds. After which the button will emit a blue light. During this time press the desired buttons that you would like to associate with the switch for paired feedback

2.5 "Trigger" switch mode

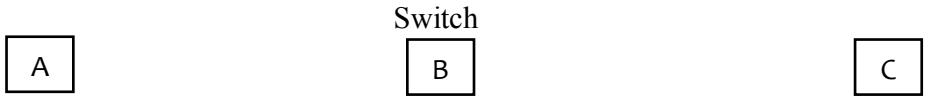
Press and hold on to the desired button for 5 buzzer sounds. The button will flash in blue for a while and deactivate itself. In this mode the button will function similar to a "doorbell", momentarily activating then deactivating.

To reset a trigger paired button, simply press and hold on the trigger button for another 5 buzzer sounds. The button should start flashing blue which indicates that the trigger modehas been successfully reset. The button should then work normally, it will be active when pressed and only deactivate when pressed again.

2.6 Repeater mode

If the distance between two desired switches is too far apart that it prevents pairing normally, you can use another switch in the middle of the two to act as a relay or repeater to pair both the devices together. For example, you would like to pair switch A and C together but due to the distance you are unable to do so. However, you can still pair switches A and C together by having a third switch in-between A and C, Switch B to act as a relay for the switches A and C. (Flat layer generally does not use this feature)

The switches are able to achieve this by attaching a specific id to the informationbeing sent to the relay so that the information will be sent correctly from A through B to C



2.6.1 Within the same network, resuming between switches:

If the switch A and switch C learning cannot achieve mutual control due to distance, you can choose between the two as a signal relay switch, provided that the A and C learning does not happen for total control. First, you must enter the master control mode switch B (already completed study on total control mode without having to learn again); press any way switch A buzzer sound 6 prompts to let go, meanwhile the blue light is flashing, press the switch B any way, keep pressed until blue light stops blinking. Press switch C again, you will hear the sound of the buzzer to let go. While the blue light is flashing, press the switch B any way, all the way until the blue light stops. Proceed to switch A, switch B and C to copy the successful ID, this time to start learning the control of A and C switches.

2.6.2 Resume within a network switch between different: (As shown)

If the switch A and switch C distance learning cannot achieve mutual control, you can choose between a switch as a signal repeater, and provided that the switch A and C have entered in the master control. The two switch ID are different; hold switch B, until the sound of the buzzer 7 notifies you let go. The whole way the blue light is flashing, press the switch in any way, the blue LED blinking stops. Any long press on switch B holding down again, the sound of the buzzer 7 sounds to let go, meanwhile the light is blinking blue, press switch C; at this time, it starts learning the control of A and C switches.

2.7 Restore factory configuration

To perform a factory reset, simply press any button and hold for 8 buzzer sounds. All buttons on the switch will be reset to factory configuration.

3 Product Checklist

Items	Quantity
Wiscloud smart switch (US edition)	1
Instruction Manual	1
Fastening screws	2
Warranty Card	1
Quality Control Certificate	1

4 Warranty coverage

Wiscloud Singapore PTE LTD provides the following International warranty coverage for iWiscloud smart switch:

Warranty Period	18 months
Scope of Warranty	Electronic parts & sensory module
Warranty Service	Carry in - one to one product exchange

- iWiscloud smart switch is warranted for the specified Warranty Period from the date of original retail purchase (proof of receipt required) against defects in quality and materials under normal, non-commercial use. Abnormal usage caused damage is not warranty covered. Wear and tear damage is also not warranty covered.
- Abnormal usage includes (force majeure), but limited to, deliberate damaging, disassembling, dismantle, manipulating warranty sticker, power overloading, water damaging or other man-made caused product damages.
- Wear and tear damage includes, but not limited to, exterior surface defects due to natural environmental cause and mishandling.
- This warranty does not cover missing accessories or external parts of the product. Such claim should be made within 3 days from the date of original retail purchase with the supplying agent.

For the avoidance of doubt, minor imperfections within design specifications and that do not materially alter functionality of the product are not considered a defect under this warranty

5 Company Information

Wiscloud Technology PTE LTD (Singapore)
Address: 62 Ubi Road 1, Oxley Bizhub 2 #08-13, Singapore 408734
Website: http://en.iwiscloud.com
Email: support@iwiscloud.com

Wiscloud Singapore PTE LTD (Singapore) reserves its right in the terms and conditions interpretation found within this operational manual.

6 Customer Support

US Customer Support: (909) 228-0080
E-Mail: support@iwiscloud.com
Manufacturer Phone: (400) 618-0679
URL: en.iwiscloud.com

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.

Caution: 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.