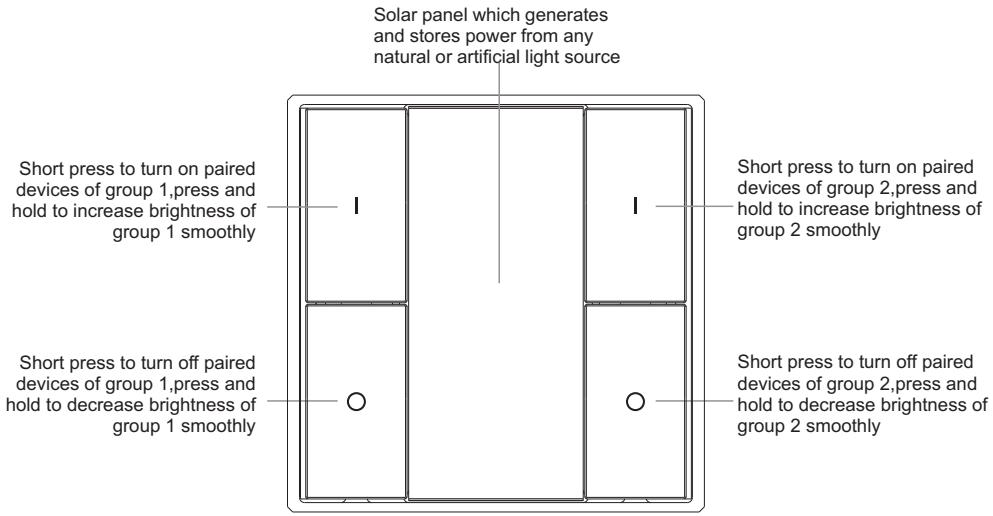
Light-Powered DIM Zigbee GP Switch

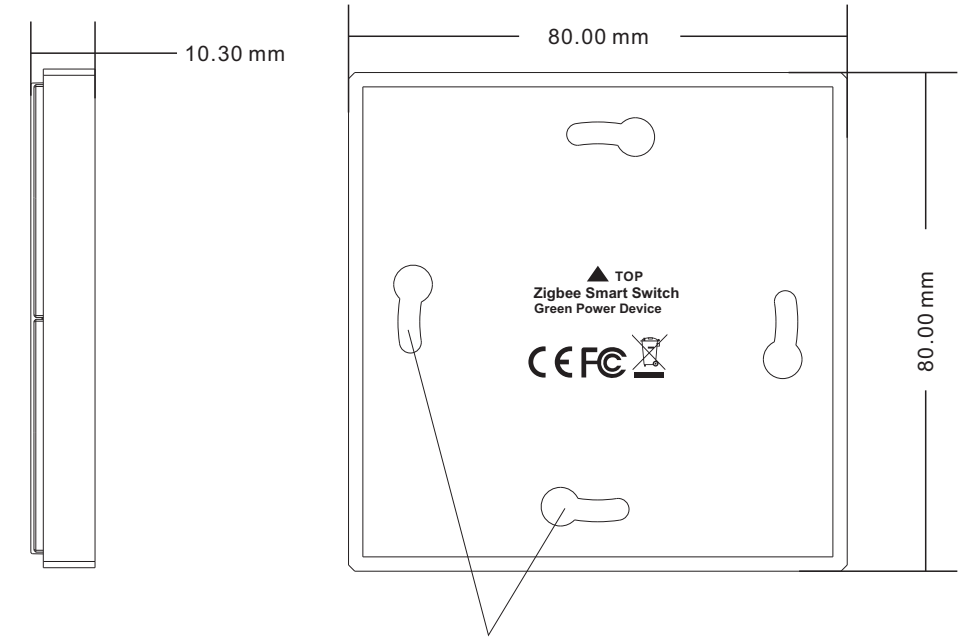
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Important: *Read All Instructions Prior to Installation*

Function introduction



Front side



The switch can be fixed on the wall with 3M glue or screw.

Back side

Product Data

Switch Type	DIM Control
Transmission Range	10-30m (typical)
Radio Frequency	2.4GHz
Power Supply	Light-Powered (any natural/artificial light source)
Buttons	4
Dimensions	80x80x10.3mm
Operating Temperature	-20 ℃ ~ +45 ℃
Working Humidity	10% ~ 95% RH non-condensing
Waterproof Grade	IP20
Warranty	5 years

Product Description

The light-powered Zigbee GP switch is a wireless transmitter that communicates with a wide variety of Zigbee compatible systems. The switch uses a solar panel which generates and stores power from any natural or artificial light source to power a built-in transmitter. This transmitter sends wireless radio signals that are used to remotely control a compatible system.

Compatible With

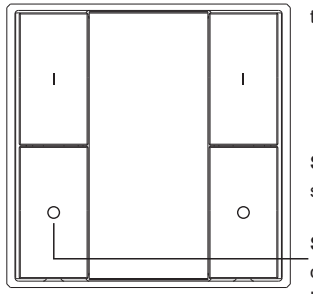
Zigbee Green Power (included in Zigbee 3.0)

Safety & Warnings

- DO NOT expose the device to moisture.

Operations

Pairing GP Switch to a Compatible Zigbee Light Device(Easy Mode):



Step 1: Do wiring the Zigbee light device according to wiring diagram(please refer to the instruction of the light device that you would like to pair to)

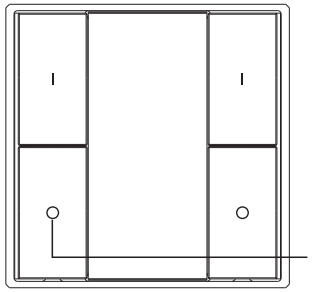


Step 2: Click the "**Prog.**" or "**Reset**" button on the light device 4 times continuously to set it into pairing to GP switch mode

Step 3: Choose a group that you would like to pair the light device to and click any of the 2 buttons of the group 4 times continuously, e.g. button ○ of group 1. LED lights connected with the device flicker twice means the light device is paired to group 1 successfully.

Note: one light device can be paired with max. 20 GP switches.

Delete Pairing to a Paired Zigbee Light Device(Easy Mode):



Step 1: Click the "**Prog.**" or "**Reset**" button on the light device 3 times continuously to set it into delete pairing to GP switch mode



Step 2: Choose the group that the light device paired to and click any of the 2 buttons of the group 4 times continuously, e.g. button ○ of group 1. LED lights connected with the device flicker 4 times means the pairing to group 1 is deleted successfully.

Pairing GP Switch to a Compatible Zigbee Light Device(Standard Mode):

Step 1: activate learning to GP switch mode of the compatible light device (generally our light devices will enter the mode by short pressing "prog." or "reset" button 4 times, or by resetting power 4 times), please refer to the manual of corresponding light device.

Step 2: put the selected Group on the GP switch into learning mode.
2 Groups on the GP switch can be considered as 2 separate switches, they should be put into learning mode separately. To put a selected Group into learning mode, start by selecting one button of the selected group. (Use the same button for the entire sequence, pressing any other button will exit the learning mode.)

Next, execute the following sequence:
1. Press and hold the selected button for over 10 seconds, and then release it.
2. Short press the button once, and then release it.
3. Press and hold the button again for over 10 seconds, and then release it.

The selected Group has now entered learning mode.
Wait for approximate 1 second to check whether there is indication on the light device for successful pairing, generally our light device will blink twice to indicate successful pairing to the selected group.

Exit learning mode of the selected group by pressing any other button of the group after pairing successfully. Just ignore step 3.
If there is no indication, please continue executing step 3.

Step 3: Cycle through the sixteen Zigbee channels
A radio signal needs be sent from the switch to the compatible light device on the correct Zigbee channel, the light device uses one of the sixteen possible channels, automatically set the device. Using the switch, a signal will be sent on each channel until the channel used by the light device is found.
Upon entering learning mode, the signal will be sent by the switch on default channel 11. Please refer to the following chart of the Zigbee channels and the corresponding radio frequencies (in MHZ).

Channel ID	Lower Frequency	Center Frequency	Upper Frequency
11	2404	2405	2406
12	2409	2410	2411
13	2414	2415	2416
14	2419	2420	2421
15	2424	2425	2426
16	2429	2430	2431
17	2434	2435	2436
18	2439	2440	2441
19	2444	2445	2446
20	2449	2450	2451
21	2454	2455	2456
22	2459	2460	2461
23	2464	2465	2466
24	2469	2470	2471
25	2474	2475	2476
26	2479	2480	2481

If there is no indication on the light device for successful pairing, the signal sent by the switch is not on the correct channel, we need to change the switch's channel.

To change the switch's channel, short press the selected button to move from default channel 11 to the next one. For each such button press, the switch transmits on the next channel.

After each such button press, please wait for approximate 1 second to check whether there is indication on the light device for successful pairing.

If pairing successfully, please exit learning mode on the switch. If channel 26 has been reached, but there is still no indication, it might because the switch has not entered learning mode yet since the very start. We have to repeat the step 2 to put it into learning mode.

Delete Pairing to a Paired Zigbee Light Device(Standard Mode):

Step 1: activate delete learning to GP switch mode of the paired light device (generally our light devices will enter the mode by short pressing "prog." or "reset" button 3 times, or by resetting power 3 times), please refer to the manual of corresponding light device.

Step 2: put the group that the light device paired to into learning mode.
To put the Group that the light device paired to into learning mode, start by selecting one button of the group. (Use the same button for the entire sequence, pressing any other button will exit the learning mode.)

Next, execute the following sequence:
1. Press and hold the selected button for over 10 seconds, and then release it.
2. Short press the button once, and then release it.
3. Press and hold the button again for over 10 seconds, and then release it

The switch has now entered learning mode.
Wait for approximate 1 second to check whether there is indication on the light device to indicate that pairing is deleted, generally our light device will blink 4 times, which means the pairing is deleted successfully.

Exit learning mode of the group that the light device paired to by pressing any other button of the group after pairing deleted. Just ignore step 3.
If there is no indication, please continue executing step 3.

Step 3: Cycle through the sixteen Zigbee channels
If there is no indication on the light device to indicate that pairing is deleted, the signal sent by the switch is not on the correct channel, we need to change the switch's channel.
To change the switch's channel, short press the selected button to move from default channel 11 to the next one. For each such button press, the switch transmits on the next channel.

After each such button press, please wait for approximate 1 second to check whether there is indication on the light device to indicate that pairing is deleted.

If pairing deleted successfully, please exit learning mode on the switch. If channel 26 has been reached, but there is still no indication, it might because the switch has not entered learning mode yet since the very start. We have to repeat the step 2 to put it into learning mode.

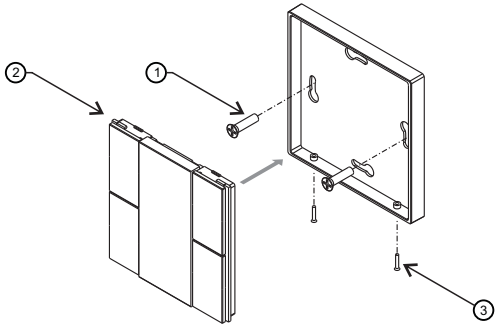
Signal Repeating Function of the Compatible Light Devices

The compatible light devices can repeat the received wireless signal from the switch, only when all light devices are added to the same Zigbee network can they repeat the received signal. There are 3 different situations as follows:

1. If you have a gateway controller and light devices, please add all light devices to the gateway first, then pair the GP switch to all light devices one by one.
2. If you have only light devices and battery/AC powered Zigbee remote, please set up a Zigbee network using the light devices and Zigbee remote, then pair the GP switch to all light devices one by one.
3. If you only have light devices, please use a light device to set up a Zigbee network first, then add other light devices to the network (please refer to the light device manual), then pair the GP switch to other light devices one by one.

Installation

Screw Installation



3M Tape Installation

