

E2 series GreenPower switch product specification

Amendant record

Serial number	Version	Date	Revise content
1	V1.0	2020-03-25	Initial version

1.1 Description

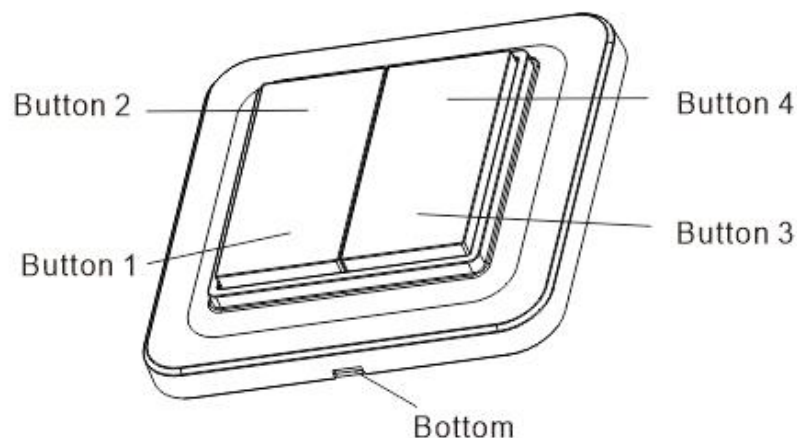
EBELONG GreenPower Wireless Kinetic Switch is a push-button self-powered switch with MEA (Micro Energy Acquisition) module inside to transform mechanical energy into electricity to drive RF chipset work., Support standard ZigBee 3.0 GreenPower protocol,, Use Tuya zigbee gateway, Can control all smart devices on the Tuya platform, For example, lamps and lanterns, curtain motors and so on.

1.2 Product Image



2 Functional characteristics

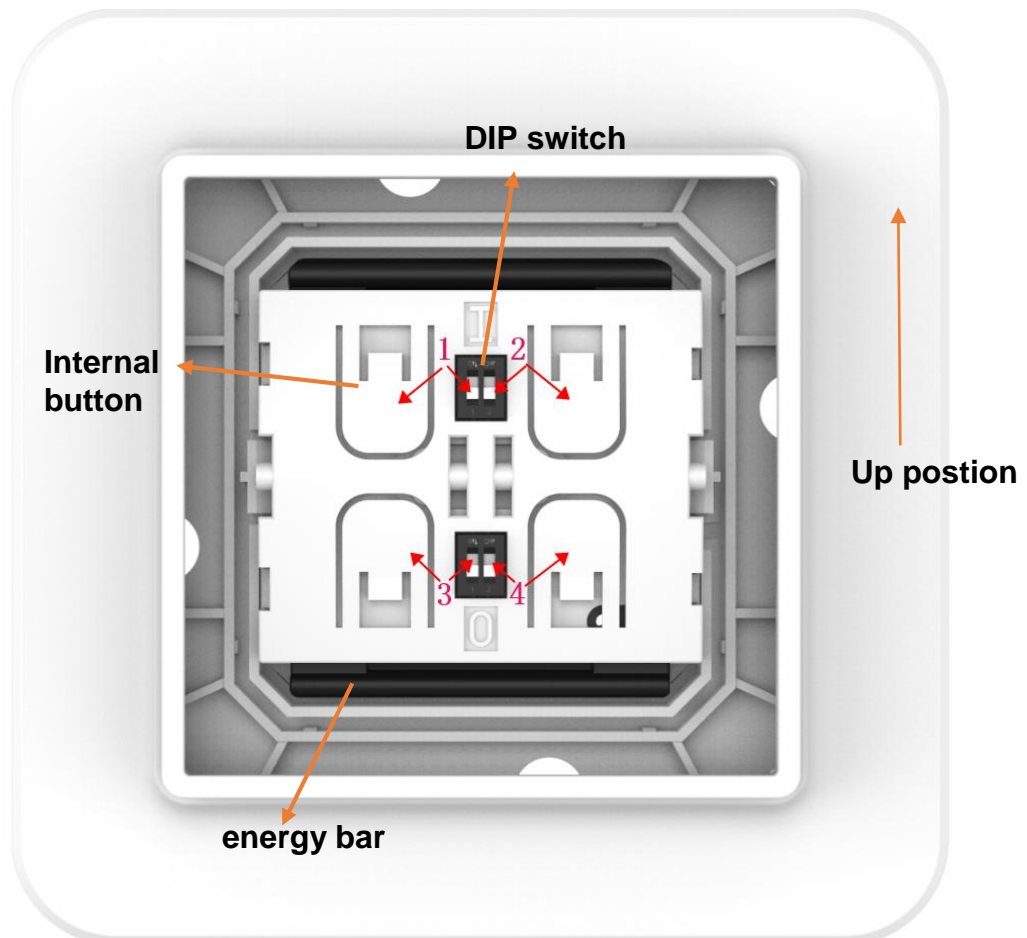
2.1 Keys defination



2.2 How it is paired

- (1) APP adds in existing zigbee gateway, find out the channel the zigbee gateway has from the Device information (the channel range: 11-26)
- (2) Place green power switch to same channel as ZigBee gateway's (Operation: take the two keys off from the switch panel, adjust the DIP switch) , DIP user manual is as follow:

DIP switch and internal buttons instruction:



Channel & DIP Switch Corresponding Table (↑ means DIP up, ↓ means DIP down) :

Channel	DIP 1	DIP 2	DIP 3	DIP 4
Chancel 11	↑	↑	↑	↑
Chancel 12	↑	↑	↑	↓
Chancel 13	↑	↑	↓	↑
Chancel 14	↑	↑	↓	↓
Chancel 15	↑	↓	↑	↑
Chancel 16	↑	↓	↑	↓
Chancel 17	↑	↓	↓	↑
Chancel 18	↑	↓	↓	↓
Chancel 19	↓	↑	↑	↑
Chancel 20	↓	↑	↑	↓
Chancel 21	↓	↑	↓	↑
Chancel 22	↓	↑	↓	↓
Chancel 23	↓	↓	↑	↑
Chancel 24	↓	↓	↑	↓
Chancel 25	↓	↓	↓	↑
Chancel 26	↓	↓	↓	↓

Remark: default channel is 26

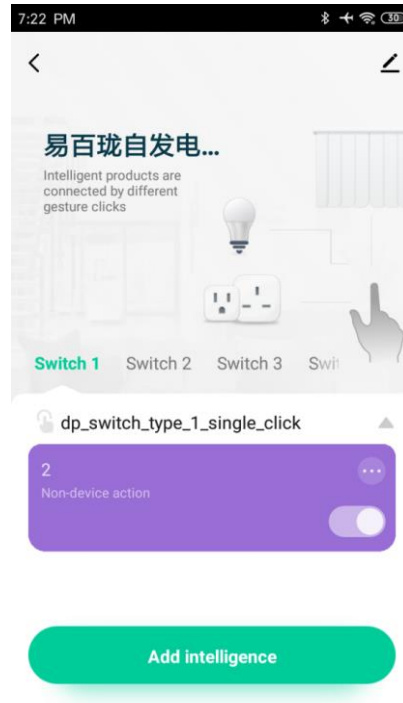
- (3) Click “add device” on gateway interface(APP), hold the internal button 1 and 3 of green power switch at the same time, press the energy bar once to activate the gateway in pair with green power switch.

2.3 Delete

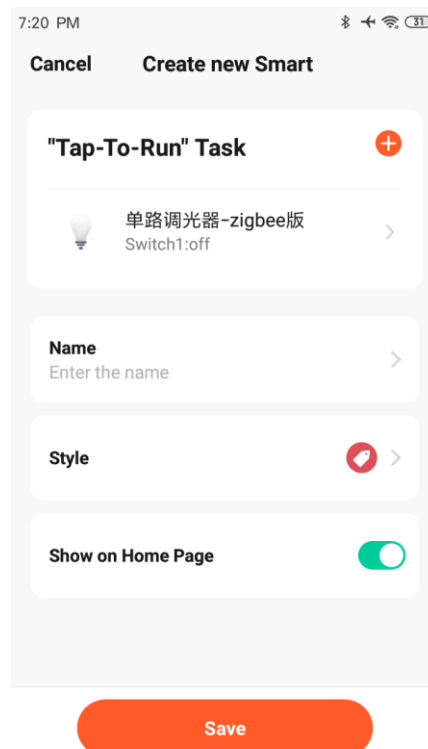
Enter to the switch interface, click on top right button, select: delete, to erase the pairing.

2.4 usage mode

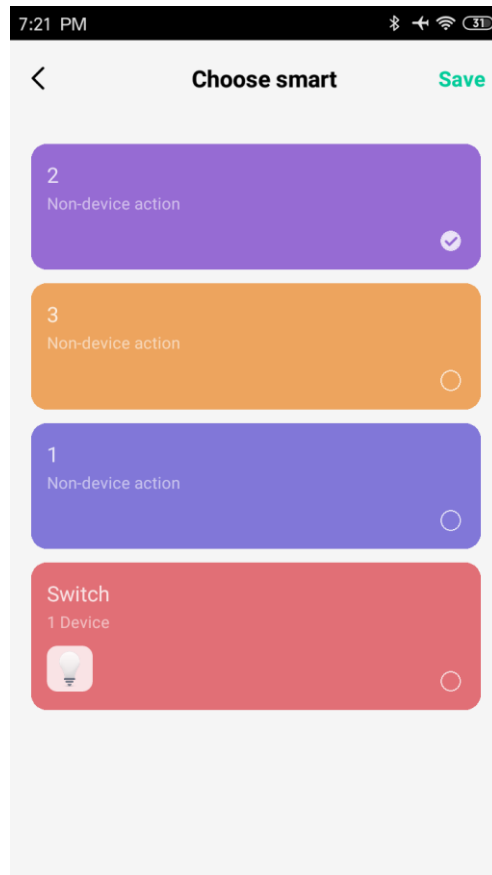
(1) Enter the switch interface, select the specified button (APP supports 4 buttons), and then select "Add Intelligence".



(2) Enter the "Create Intelligence" screen, and in the "Perform a task with one click" section, select the action you want to perform, such as turning on a light fixture. Click Save.



(3) The "Select Smart" interface pops up, select the set scene (such as turning on the light), and then click Save. When finished, the specified lamp can be turned on by the GreenPower switch.



explanation :

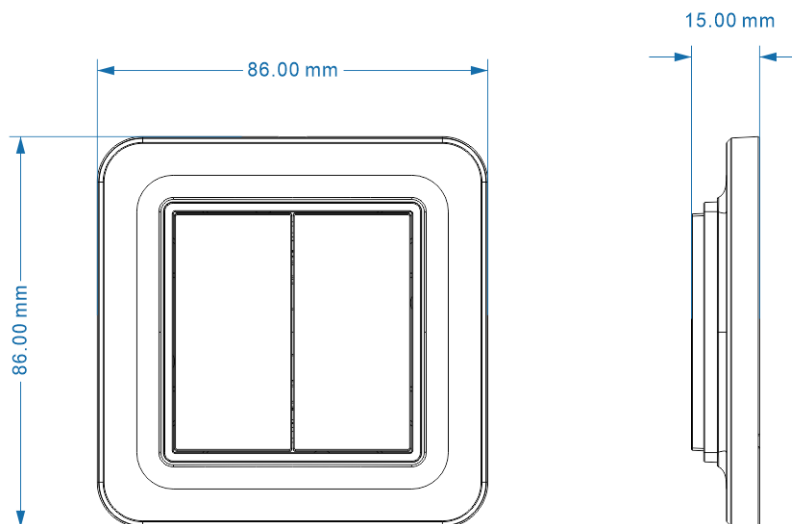
Follow the above steps, can realize the use of Ebairong GreenPower switch, Control all third-party smart devices (WiFi/ZigBee smart lights, WiFi/ZigBee curtain motors, etc.) on the Tuya platform , In this way, the self-power generation technology of Ebelong can be perfectly integrated into the Tuya smart platform ecology, Realize the intercommunication between EBELONG's self-powered switch and Tuya platform equipment.

for example : The GreenPower switch can control the opening, closing, stopping and other operations of the third-party WIFI curtain motor (provided that the switch and the WIFI curtain motor equipment are all under the same APP account).

3 SPECIFICATIONS

Item	Parameter
Power supply	Kinetic Switch
Work frequency	2.4GHz
Wireless protocol	Zigbee IEEE 802.15.4
Working channel	11-26 (can be changed by dial switch)
Work range	20m (Indoors)
Lifetime	>100,000 times
Work temperature	-20°C ~ +50°C
storage temperature	-40°C ~ +80°C
Relative humidity	0% - 95% (Non-condensing)
Use environment	Indoors

4 Product Size



5 Application block diagram

