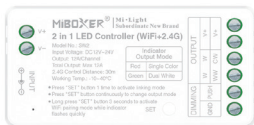


SW2 2 in 1 LED Controller

Model No.: SW2

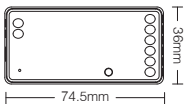
Features

- Brightness adjustable
- Built-in 18 dynamic mode with jumping, gradually changing(only for 2.4G remote control)
- Auto-forwarding: Automatically forward the remote control signal to another controller, making the remote control distance infinite
- Automatic synchronization: The same dynamic mode is automatically synchronized, so that the mode is always consistent
- Have DND function, usually used in power failure area and save power
- Support TUYA SMART app control (2.4GHz gateway is no needed)
- Support third party voice control like Alexa, Google assistant,Yandex Alice, Tmall Genie,Baidu and Xiaomi (2.4GHz gateway is no needed)

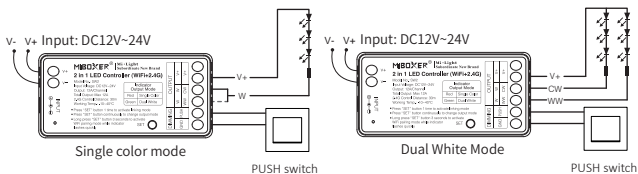


Parameters

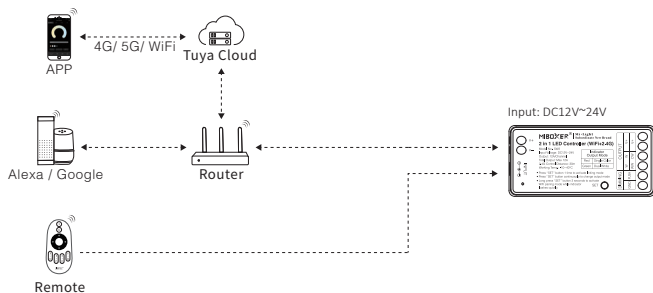
Name: 2 in 1 LED Controller	Working Temperature: -10~40 °C
Model No.: SW2	EMC Standard (EMC): ETSI EN 301 489-1 V2.2.3(2019-11) ETSI EN 301 489-3 V2.3.2 (2023-01)
Input Voltage: DC12~24V	
Output Current: 12A/ Single channel	Safety Standard (LVD): EN 61347-1: 2015+A1: 2021 EN 61347-2-11: 2001+A1:2019
Total Output: Max 12A	
Protocol: WIFI/ 2.4GHz RF	Radio Equipment (RED): ETSI EN 300 328 V2.2.2 (2019-07)
Control Distance: 30m	Certification: CE, EMC, LVD, RED
IP Rating: IP20	



Connection Diagram



Application Diagram



Set up output mode

Set up correct output mode based on the feature of lights

Setting method: Press "SET" button continuously to switch output mode (attention: it will log out without operation within 3 seconds)

Output mode sheet (confirm output mode based on color of indicator)

Indicator color	Red Light	Green Light
Output	Single Color Mode	Dual White Mode

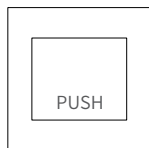
PUSH Dimming

Short press PUSH switch:

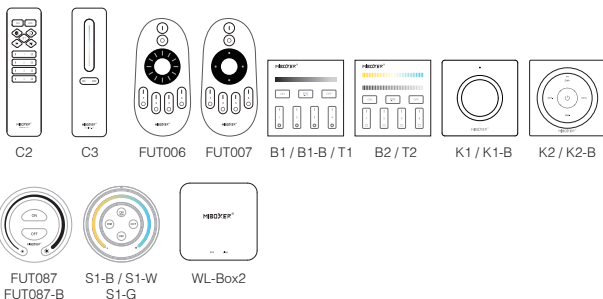
Turn ON/OFF light

Long press PUSH switch:

- Stepless dimming brightness.
- Long press and release your finger, then repeat long pressing to increase or decrease brightness.

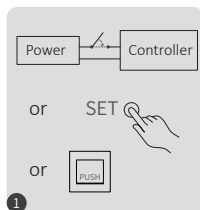


Compatible with these 2.4G RF remote controls (Purchased separately)



2.4G RF Remote control instruction

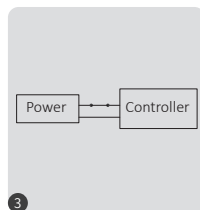
1). Linking Code Instructions



Power off 10 seconds and power on again or short press "SET" one time or turn on light via PUSH switch



Short press " I " button 3 times within 3 seconds.

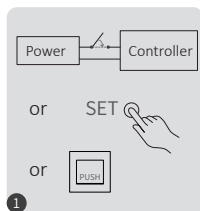


Lights blink 3 times slowly means linking is done successfully.



Linking failed if light is not blinking slowly, Please follow above steps again.
(Note: Light that have linked can't link again)

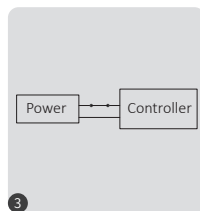
2). Unlinking Code Instructions



Power off 10 seconds and power on again or short press "SET" one time or turn on light via PUSH switch



Short press " I " button 5 times within 3 seconds.



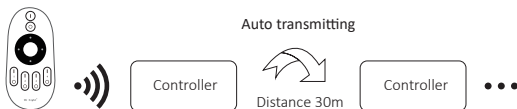
Lights blink 10 times quickly means unlinking is done successfully.



Unlinking failed if light is not blinking quickly, Please follow above steps again.
(Note: Light haven't linked that don't need to unlink)

3). Auto transmitting (2.4G RF remote signal)

The controller can transmit remote signal to another light automatically while the distance between controller are 30m, the remote control distance is unlimited. (Attention: all lights must be linked with same remote)



4). PWM high frequency / low frequency switching (only for remote control)

Switch to high frequency:

Press “OFF” button 1 time within three seconds and press “ON” button 5 times, Activated successfully once led light flashes 2 times quickly.

Switch to low frequency:

Press “ON” button 1 time within three seconds and press “OFF” button 5 times, Activated successfully once led light flashes 2 times slowly.

5). “Do Not Disturb” mode is activated and shut down (default activated)

Turn on “Do Not Disturb” mode (wide using in the area which have power failure frequently to save energy)

2.4G RF Remote turn on and turn off instruction

Turn on “Do Not Disturb” mode:

Press “OFF” button three times within three seconds and press “ON” button three times, Activated successfully once led light flashes four times quickly.

Attention: Do not disturb mode is activated

1. When the light is OFF status (For example: Use app or remote to turn off light)

The light is OFF status once you turn off power and turn on again. **(User must turn off and turn on power twice times to activate light or use APP / remote to activate light)**

2. When the light is ON status

The light is ON status once you turn off and turn on power one time.

Turn off “Do Not Disturb” mode:

Press “ON” button three times within three seconds and press “OFF” button three times, closed successfully once led light flashes four times slowly.

Attention: The light will be always “ON” status if you turn on and turn off power once user closed “Do Not Disturb” mode.

App turn on and off “Do Not Disturb” mode instruction (check details in page 7)

Smartphone app control instruction

Network Configuration (Don't support 5G router)

1). Download and install [Tuya Smart] app

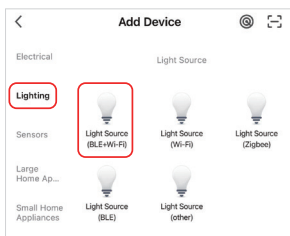
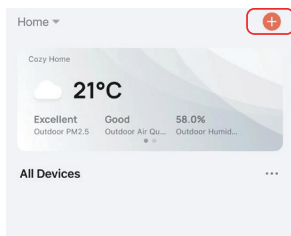
Search for [Tuya Smart] in Apple or Google store or scan following QR code to download and install the app.

Please open the app click " Register " button to create account while using it in the first time, Log in directly if you already had account.



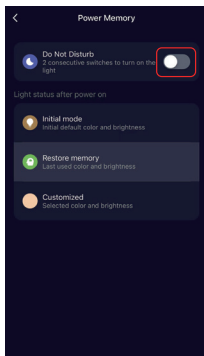
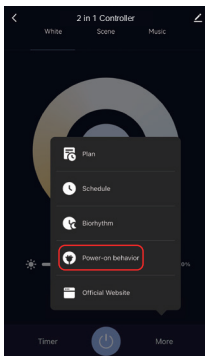
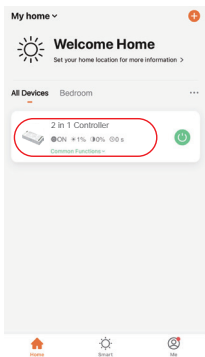
2). Network Configuration

- (1) Connect controller with power supply.
- (2) Confirm indicator light is flashing quickly (2 flashes per second),
If indicator light isn't in fast flashing state, there are two ways to enter:
 - Long press " SET " key until indicator light flashing quickly.
 - Power off and on controller 6 times.
- (3) Connect phone with home WiFi network in the 2.4GHz frequency.
- (4) Open homepage of app and click " + " button at the upper right corner of page.
- (5) Click " Lighting " on the left side of page and then click " Light Source (BLE+Wi-Fi) "
- (6) Follow app prompts to complete configuration.



App turn on and off “Do Not Disturb” mode (default activated)

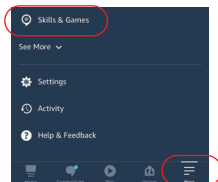
Click the light which need to be set up or group control --- click “More” --- click “Power-on behavior” --- turn on or off



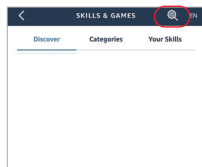
Alexa voice control instruction

Please add device into **[Tuya Smart]** app ([check details in page 6](#)), then start following steps

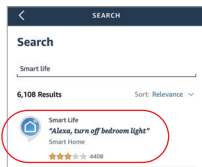
- 1). Open Alexa App
- 2). Click "More" on the bottom of right corner
- 3). Click "Skills & Games"



- 4). Click "Q" on the top of right corner
- 5). Type into "Smart life" and search



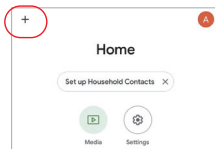
- 6). Click "Smart Life" skill, follow instruction to finish configuration and start voice control



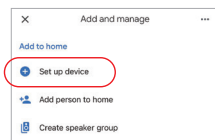
Google Home voice control instruction

Please add device into **[Tuya Smart]** app ([check details in page 6](#)), then start following steps

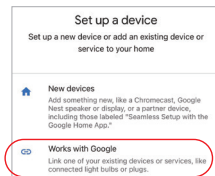
- 1). Open Google Home App
- 2). Click "+" on the top of left corner



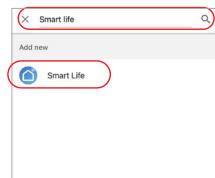
- 3). Click "Set up device"



- 4). Click "Works with Google"



- 5). Click "Q" on the top of right corner
- 6). Type into "Smart life" and search
- 7). Click "Smart Life" skill, follow instruction to finish configuration and start voice control



Attention

1. Please turn off power supply before installation.
2. Please ensure input voltage to be same as requirements from device.
3. Don't disassemble device if you are not expert, otherwise it will damage it.
4. Please do not use the light in the place with widely range metal area or strong electromagnetic wave nearby, otherwise, the remote distance will be seriously affected.



Made in China