Manual

2 in 1 LED controller (WiFi+2.4G)

Model No.: iH2W

Features

- This product is made by WiFi+BLE+2.4G wireless transmitting technology with low consumption and strong ability to resist signal loss.
- Dual WiFi+BLE chip improves user to enter into network conveniently. User can pair device into network via bluetooth connection if the router is offline.
- 2 kinds of output mode support 2 LED strip (Single color/Tunable white).
- Support 2.4G remote control.
- Working with “Tuya Smart” app, wireless dimming, remote control, group control, create favourite scene, timmer function, music rhythm, biological rhythm, sleeping and weak up plan, automation and tap to run function.

Parameters

Model No.: iH2W

Input Voltage: DC12V-48V

Output: 20A/Channel

Output: Max 20A

Output type: Constant voltage

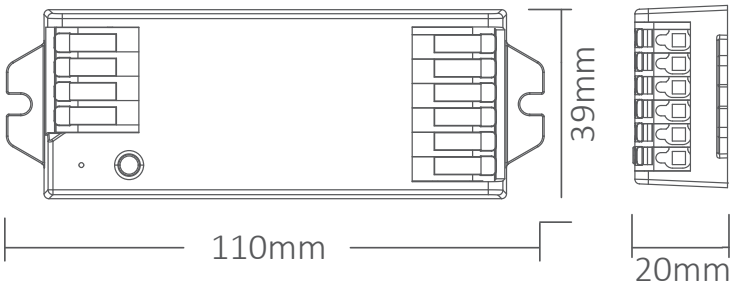
Protocol: WiFi+2.4GHz

WiFi standard: IEEE 802.11b/g/n 2.4GHz

IP rating: IP20

Control distance: 30m (2.4GHz RF)

Working temperature: -20~45°C



Output Diagram

Short press “SET” continuously to select output mode, indicator displays different output modes as following diagram.

Indicator	Output
White	Single color
Yellow	Tunable white

APP Details

1. Download app

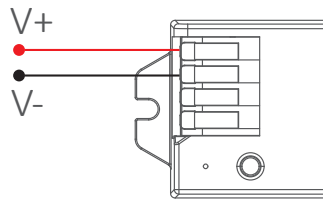
Tuya Smart App

2. Registering new account

3. Adding device

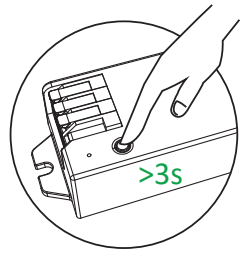
1). Connect controller with power adapter.

Input:
DC12V-48V

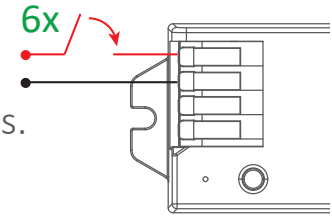


2). Indicator blinks quickly (2 times per seconds), long press “SET” 3 seconds if indicator doesn’t blink quickly.

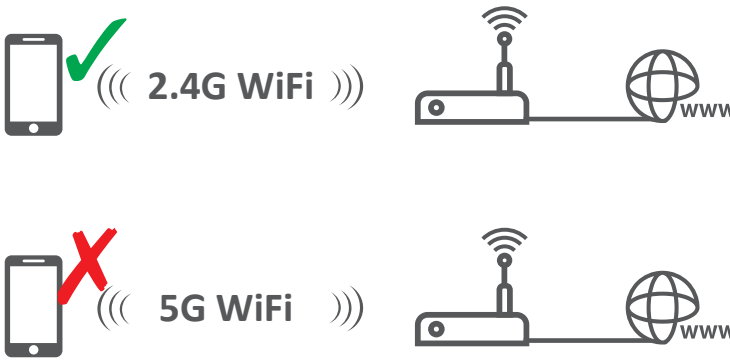
or Power off and power on 6 times.



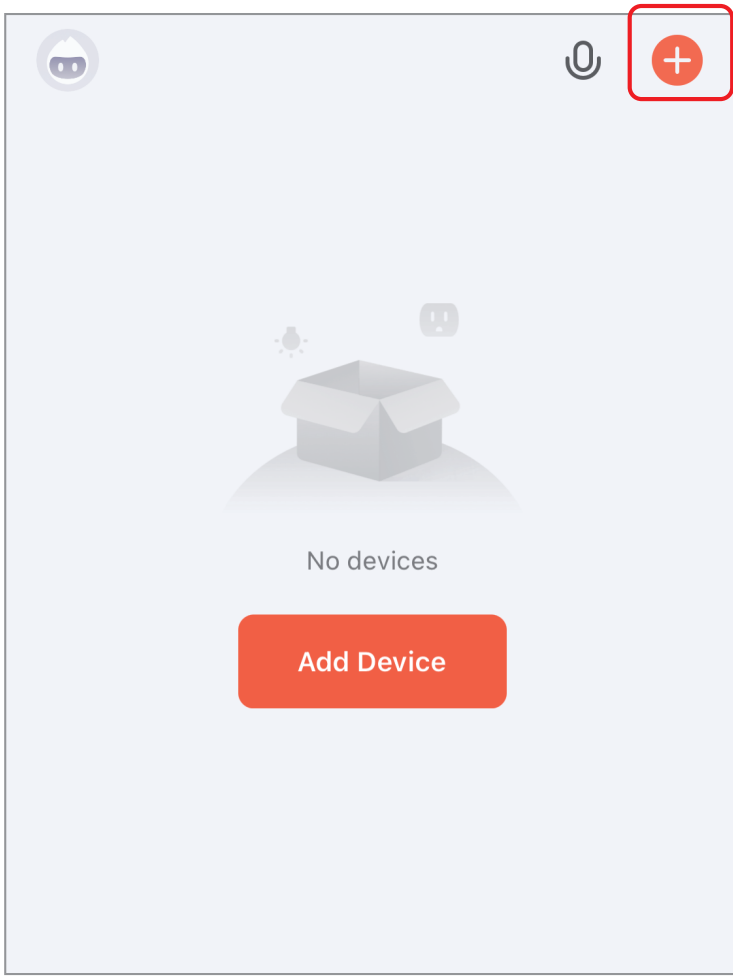
or



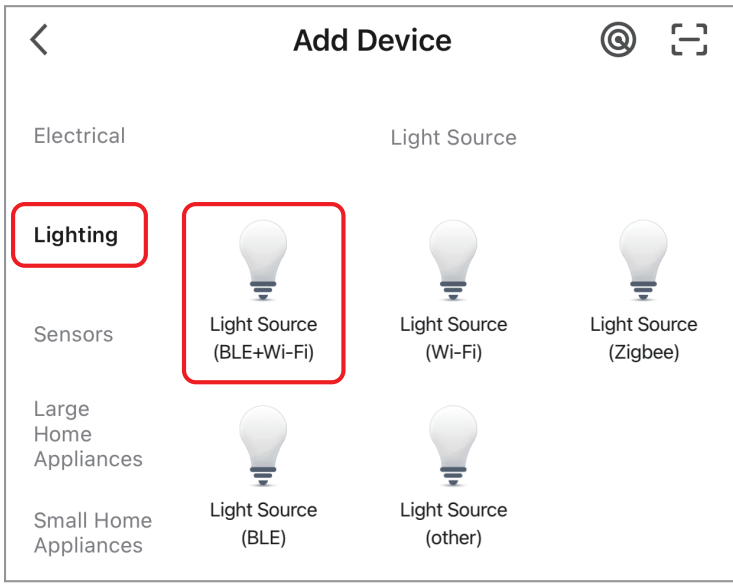
3). Connect smart phone with 2.4GHz WiFi.



4). Click “+”

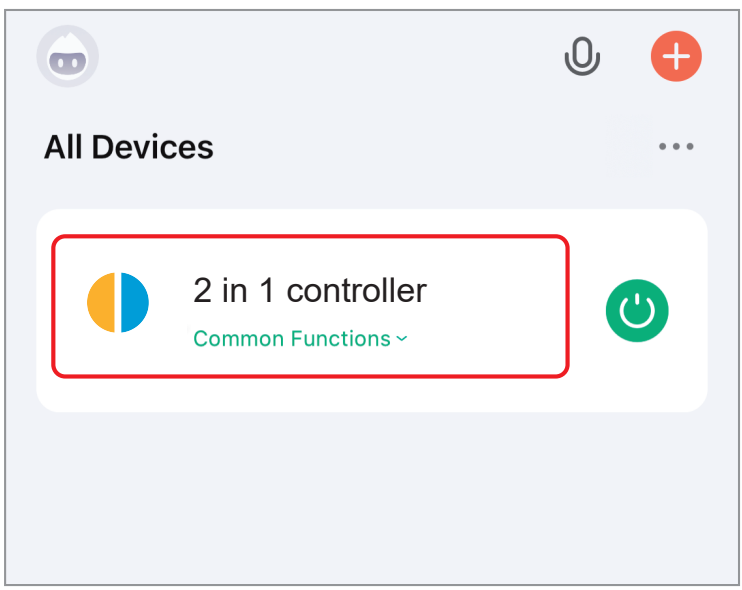


5). select “**lighting**” and “**light source (BLE+wifi)**”, finishing the rest steps in app.



4. Lighting control

Click device to enter into main page.



5. Parameter definition

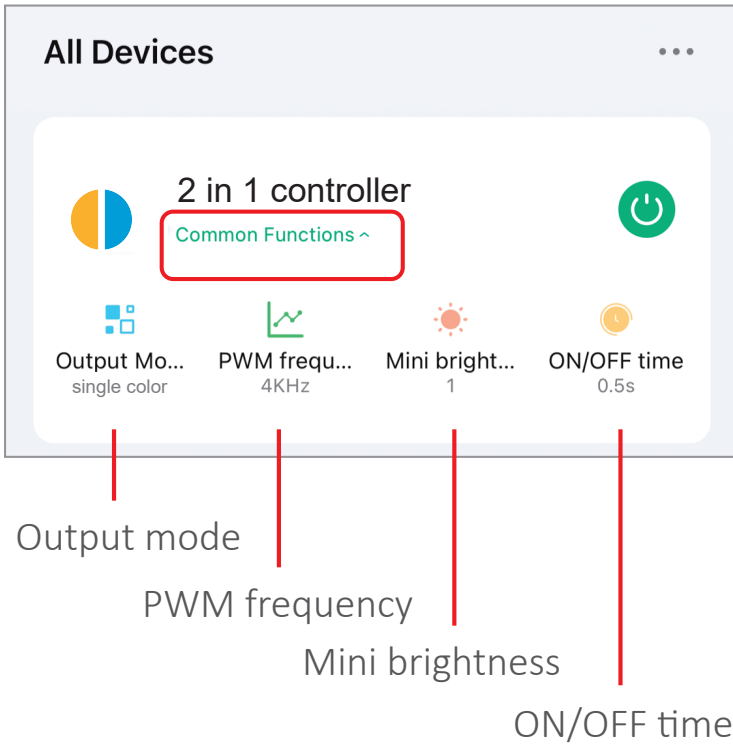
Output mode (select correct mode to compatible with led strip).

PWM frequency (changing different frequency to solve the noise problem from power adapter).

⚠ High frequency only support device with lower wattage, low frequency support device with higher wattage and have better dimming performance.
Factory default PWM frequency is 16KHz.

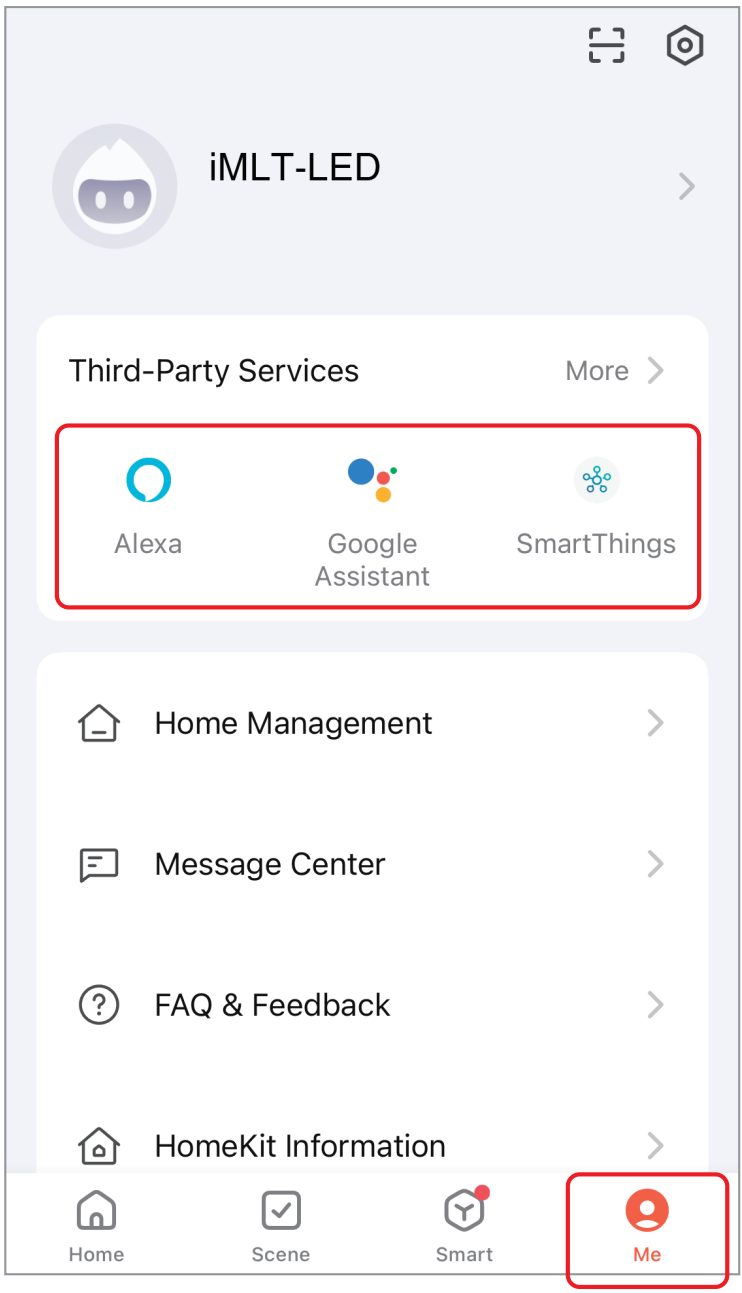
Mini brightness (the lowest brightness of lights).

ON/OFF time: the light status changes gradually (factory default time is 0.5s).



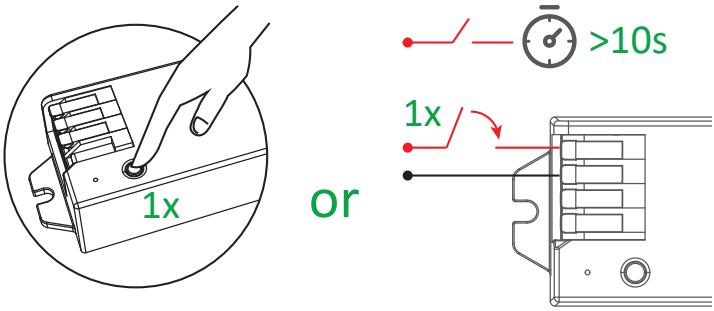
Voice control Details

Click “Me”, select the third-party service and completed setting.



2.4G Remote Control

Linking code (2 different solution)

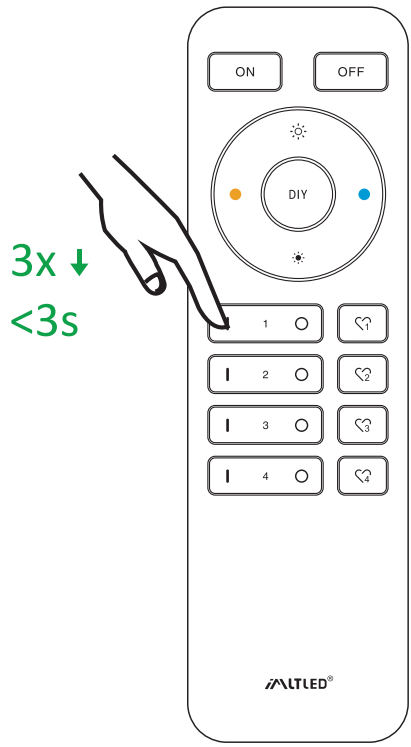


Solution 1 Solution 2

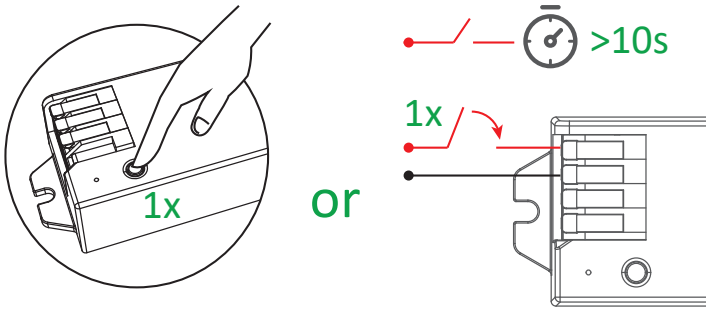
Solution 1. Short press “SET” 1 time, short press “ I ” 3 times within 3 seconds.

Solution 2. Power off and power on, short press “ I ” 3 times within 3 seconds.

Link is done if the light flashes 3 times slowly.



Cleaning Code (2 different solution)

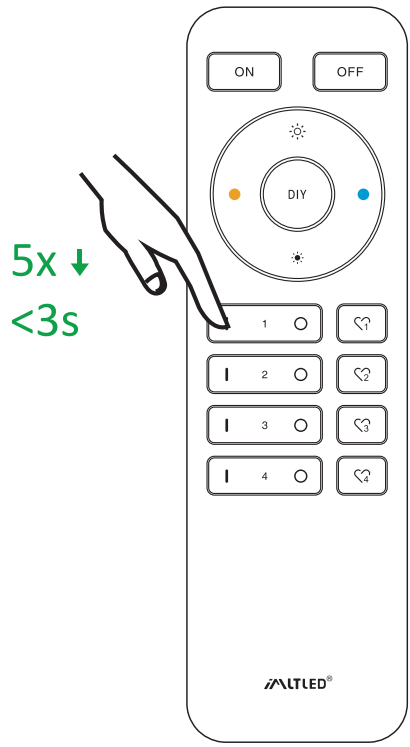


Solution 1 Solution 2

Solution 1. Short press “SET” 1 time, short press “ I ” 5 times within 3 seconds.

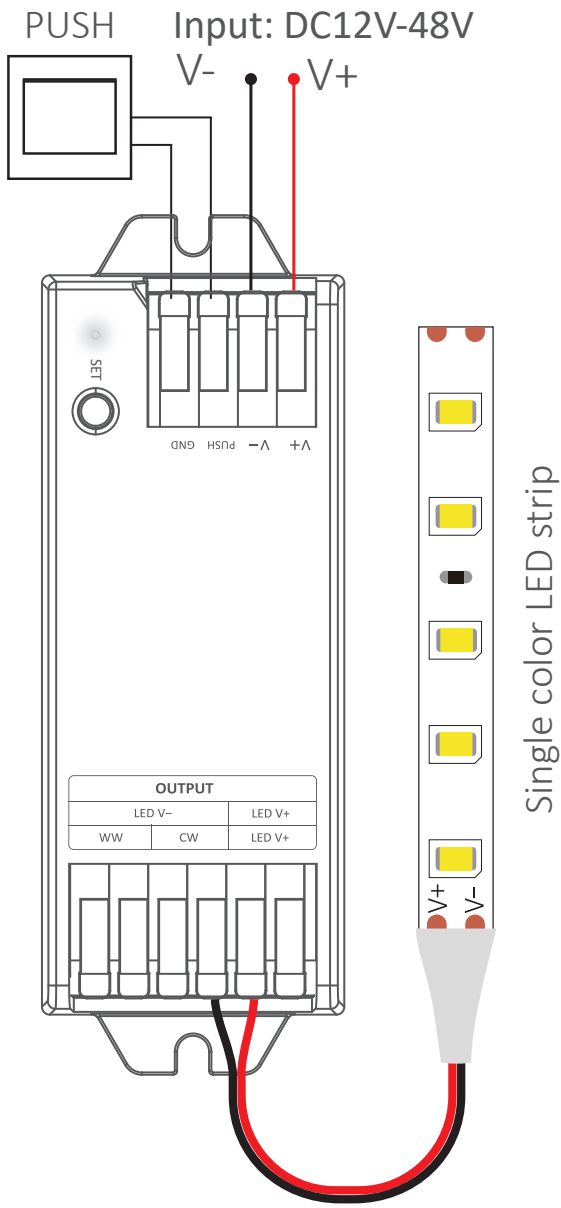
Solution 2. Power off and power on, short press “ I ” 5 times within 3 seconds.

Cleaning code is done if the light flashes 6 times quickly.

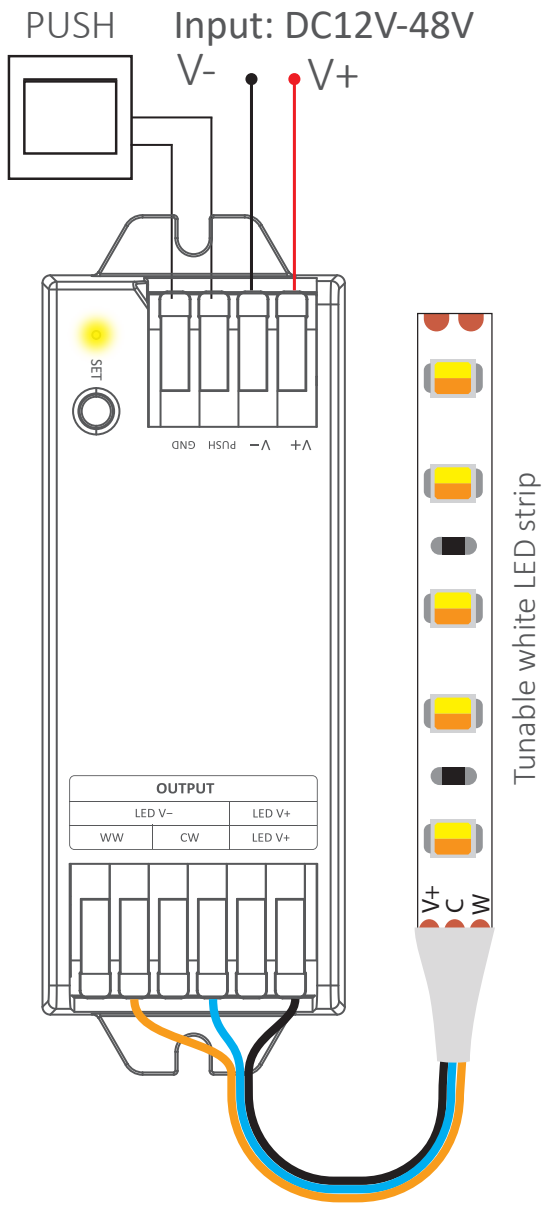


Connection Diagram

For single color LED strip
(short press “SET”--white indicator)



For tunable white LED strip
(short press “SET”--Yellow indicator)



PUSH dimming

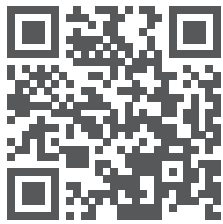
Short press push switch:
Turn on or turn off light.

Long press push switch:
Long press / release and long press again to increase or decrease brightness.

Attention

1. Please cut off power before wiring device.
2. Please check the voltage of power adapter before connecting.
3. Don’t disassemble it if you are not expert.
4. Don’t use it in metallic or magnetic area.





For more information
scan QR code

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