iMLTLED®

Manual

Single Color LED Controller (WiFi+2.4G)
Model No.: iH1W / iM1W

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.
- 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.
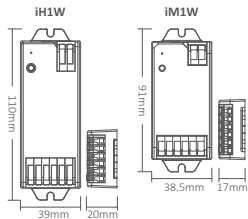
Parameters

Model No.	iH1W	iM1W
Input	DC12V-48V	DC12V-24V
Output	Max 20A	Max 12A

Protocol: WiFi+2.4GHz

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

Control distance: 30m (2.4GHz RF)

Working temperature: -20~45°C

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iH1W

110mm

39mm 20mm

iM1W

91mm

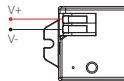38.5mm 17mm

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APP Details

1. Download app

Tuya Smart App

2. Registering new account

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3. Adding device

1). Connect controller with power adapter.

Input:
DC12V-48V (iH1W)
DC12V-24V (iM1W)

V+
V-

2). Indicator blinks quickly (2 times per seconds), long press "SET" 3 seconds if indicator doesn't blink quickly.
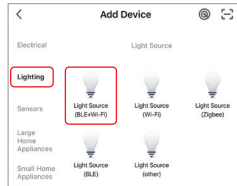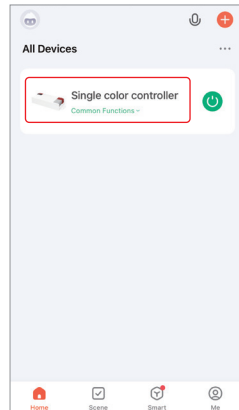
>3s

3). Connect smart phone with 2.4Ghz WiFi.

✓ **2.4G WiFi**

✗ **5G WiFi**

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4). Click "+"

5). select "**Lighting**" and "**Light source (BLE+WiFi)**", finishing the rest steps in app.

Add Device

Electrical

Light Source

Lighting

Sensors

Light Source (BLE+Wi-Fi)   Light Source (Wi-Fi)   Light Source (Zigbee)

Large Home Appliances

Small Home Appliances

Light Source (BLE)   Light Source (other)

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4. Lighting control

Click device to enter into main page.

All Devices

Single color controller
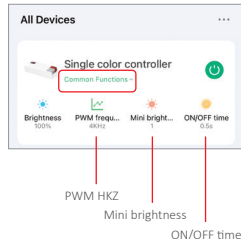Common Functions ~

No devices

Home   Scene   Smart   Me

5. Parameter definition

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.
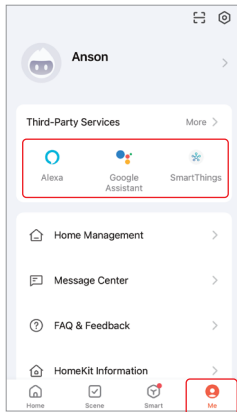Factory default PWM frequency is 4KHz.

Mini brightness (the lowest brightness of lights).

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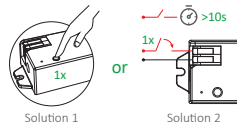
All Devices ...

Single color controller
Common Functions ~

| Brightness | PWM frequ... | Mini bright... | ON/OFF time |
| 100% | 4KHz | | 0.6s |

PWM HKZ

Mini brightness

ON/OFF time

Voice control Details

Click "Me" to add device (controller must be paired with wifi completely).

Anson

Third-Party Services   More >

Alexa   Google Assistant   SmartThings

🏠 Home Management

✉ Message Center

❓ FAQ & Feedback

HomeKit Information

Home   Scene   Smart   Me

2.4G Remote Control

Linking code (2 different solution)

1x   or   1x   ⏱ >10s
Solution 1   Solution 2

1. Short press "SET" 1 time, short press " I " 3 times within 3 seconds.
2. Power off and power on, short press " I " 3 times within 3 seconds.

⚠ Link is done if the light flashes 3 times slowly.
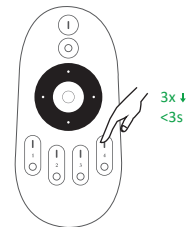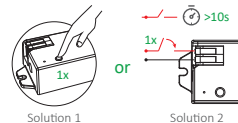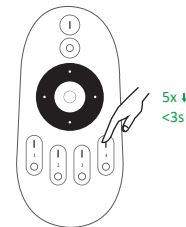
3x ↓
<3s

Cleaning Code (2 different solution)

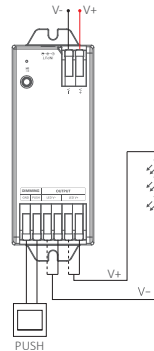1x   or   1x   ⏱ >10s
Solution 1   Solution 2

1. Short press "SET" 1 time, short press " I " 5 times within 3 seconds.
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.

5x ↓
<3s

Connection Diagram

Input: DC12V-48V **(iH1W)**
DC12V-24V **(iM1W)**

PUSH

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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