iMLTLED®

Manual

Single Color LED Controller (WiFi+2.4G)
Model No.: iL1W

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

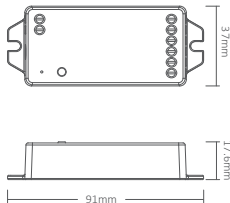Model No.: iL1W
Input Voltage: DC12V-24V
Output: 12A/Channel
Total output: Max 12A
Protocol: WiFi+2.4GHz
WiFi standard: IEEE 802.11b/g/n 2.4GHz
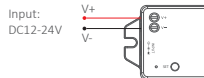Control distance: 30m (2.4GHz RF)
Working temperature: -20~45°C

3.7mm

17.6mm

91mm

APP Details

1. Download app

Tuya Smart App

2. Registering new account

3. Adding device

1). Connect controller with power adapter.

Input:
DC12-24V

V+
V-

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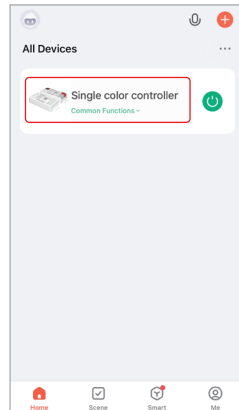
>3s

3). Connect smart phone with 2.4Ghz WiFi.

✓ 2.4G WiFi))) www

✗ 5G WiFi))) www

4). Click "+"

No devices

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

<   Add Device

Electrical   Light Source

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

Sensors

Large Home Appliances   Light Source (BLE)   Light Source (other)

Small Home Appliances

4. Lighting control

Click device to enter into main page.

All Devices   ...

Single color controller
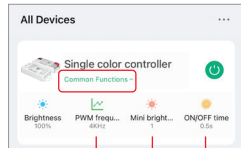Common Functions ~

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).
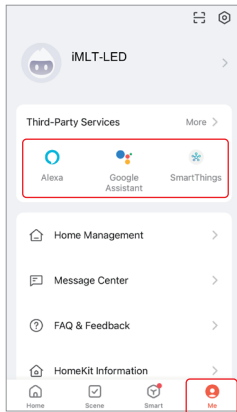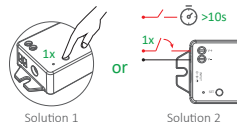

PWM frequency

Mini brightness

ON/OFF time

Voice control Details

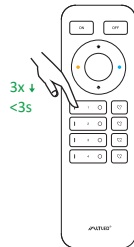Click "Me" to add device (controller must be paired with wifi completely).

2.4G Remote Control
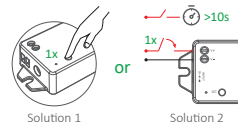
Linking code (2 different solution)

Solution 1   or   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.

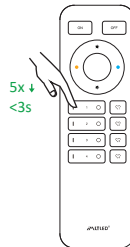⚠️ Link is done if the light flashes 3 times slowly.

3x ↓
<3s

Cleaning Code (2 different solution)
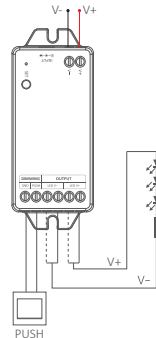

Solution 1   or   Solution 2

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-24V

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

Made in China

CE UK CA RoHS PAP 22