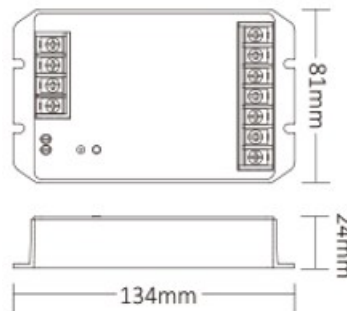![EVERGLOW LED LIGHTING logo]
Less Electricity Debt™

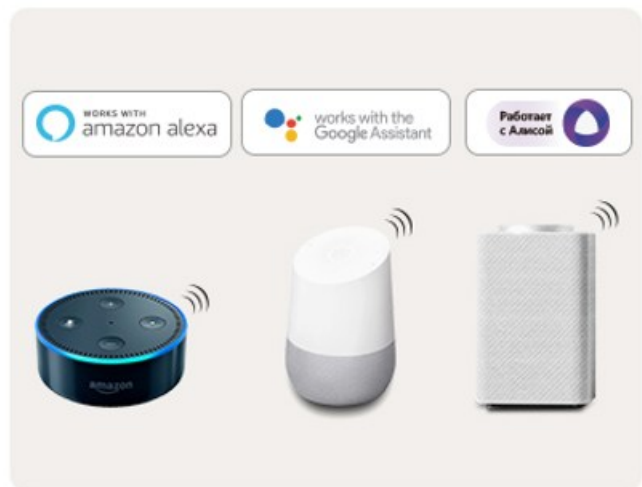# 5 IN 1 STRIP RECEIVER AND REMOTE CONTROLLER

Features

HW5 uses WiFi + Bluetooth + 2.4G wireless transmission technology, low power consumption, strong anti-interference ability. WiFi + Bluetooth connect network can greatly enhance the connect network experience. When the router is disconnected, Bluetooth can also directly connect and control equipment at close range.

After successful network configuration using [Tuya Smart] app to achieve wireless dimming, remote control, group control, scene control, timing control, music movement, biorhythm, sleep plan, wake plan, one key execution, automation, etc. functions. And it supports 2.4G remote control.

Support Tuya smart app control, no need 2.4G gateway

Support third party voice control

* The information in this datasheet may be changed by Everglow Lighting at any time without prior notice.

16 Millions of colors to choose		Remote control distance 30m	
Color temperature adjustable		App control	
Dim brightness / Saturation		Third party voice control	
2.4G RF wireless technology		Group contro	
Wireless control, long-range control		Biorhythm	
Auto-transmitting & Synchronization (only for remote control dimming)		Music rhythm	
Device sharing		Sleep / wake up plan	
Tap-to-Run & automation		Support scene customization	
Timing / countdown turn on/off		Do not disturb mode	
DMX control (Only 5-channel output, FUTD01 transmitter is needed)			

Parameters

Product Name: 5 in1 LED Controller (WiFi+2.4G)
- -

Model No.: HW5
- -

Input Voltage: DC12-48V
- -

Output: 15A/Channel
- -

Total Output: 30A
- -

Communication Protocol: WiFi+2.4G
- -

WiFi Standard: IEEE 802.11b/g/n 2.4GHz
- -

RF: 2.4GHz
- -

2.4G RF Control Distance 30m
- -

Working Temperature: -10~40°C
- -

Connection Diagram

single color

PUSH switch

Dual white

PUSH switch

RGB

PUSH switch

RGBW

V- V+

PUSH switch

V+
R
G
B
W

RGB+CCT

V- V+

PUSH switch

V+
R
G
B
CW
WW

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	White Light	Yellow Light	Red Light	Green Light	Blue Light
Output	Single Color	Dual White	RGB	RGBW	RGB+CCT

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.
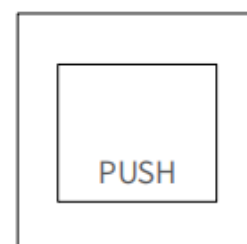
PUSH

2.4G RF Remote control instruction

1). Linking Code Instructions
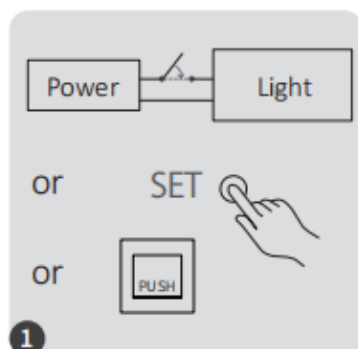
① Power off 10 seconds and power on again or short press "SET" one time or turn on light via PUSH switch

② Short press " I " button 3 times within 3 seconds.
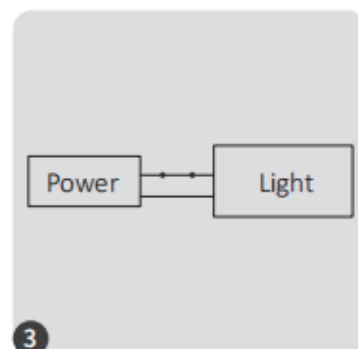
③ Lights blink 3 times slowly means linking is done successfully.

⚠️ 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
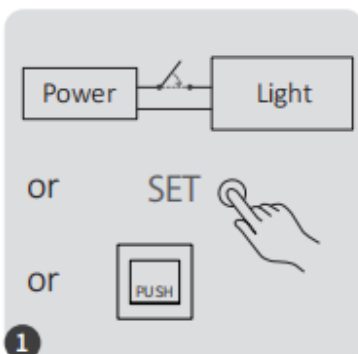
① Power off 10 seconds and power on again or short press "SET" one time or turn on light via PUSH switch

② Short press " I " button 5 times within 3 seconds.

③ 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 & Synchronization (only for remote control)

Remote signal auto transmitting

One light can transmit the signals from the remote control to another light within 30m, as long as there is a light within 30m, the remote control distance can be limitless.
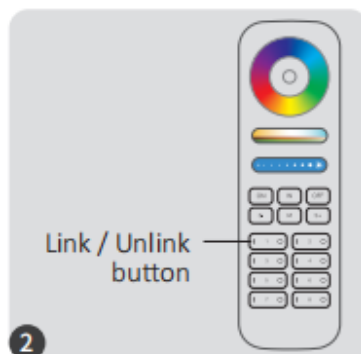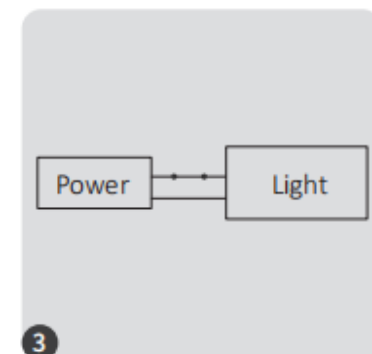
Dynamic modes auto synchronization

Multi lights can synchronize if they are in same dynamic mode and linked with same remote (distance between each light is within 30m)
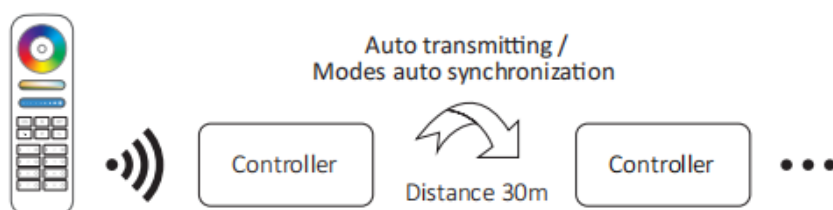
4). Dynamic mode table selection (only for remote control)

Select dynamic mode table 1:
While the light is in static mode, short press " **S+** " button 5 times quickly until blue light flashes 3 times slowly, static mode is activated successfully.

Select dynamic mode table 2:
While the light is in static mode, short press " **S-** " button 5 times quickly until yellow light flashes 3 times slowly, static mode is activated successfully.

Dynamic mode table 1 (default)

Number	Dynamic Mode	Brightness / Saturation / Speed
1	Mardi Gras	
2	Automatic color change	
3	Sam	
4	Gemstone	
5	Twilight	Adjustable
6	American	
7	Fat Tuesday	
8	Party	
9	Slow Color Splash	

Dynamic mode table 2 (need to switch manually)

Number	Dynamic Mode	Brightness / Saturation / Speed
1	Seven colors gradual change	Adjustable
2	White light Gradual change	
3	RGB gradual change	
4	Seven colors jump to change	
5	Jump to change randomly	
6	Red light gradual change +Flash 3 times	
7	Green light gradual change +Flash 3 times	
8	Blue light gradual change +Flash 3 times	
9	White light gradual change +Flash 3 times	

5). 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.

6). "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

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.
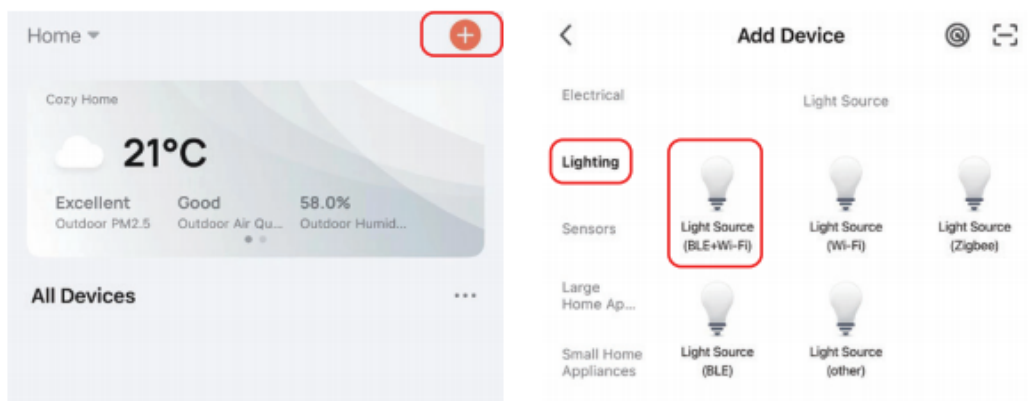
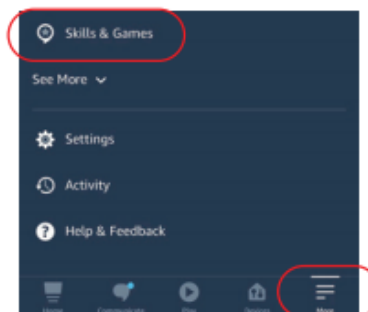## App turn on and off "Do Not Disturb" mode (default activated)

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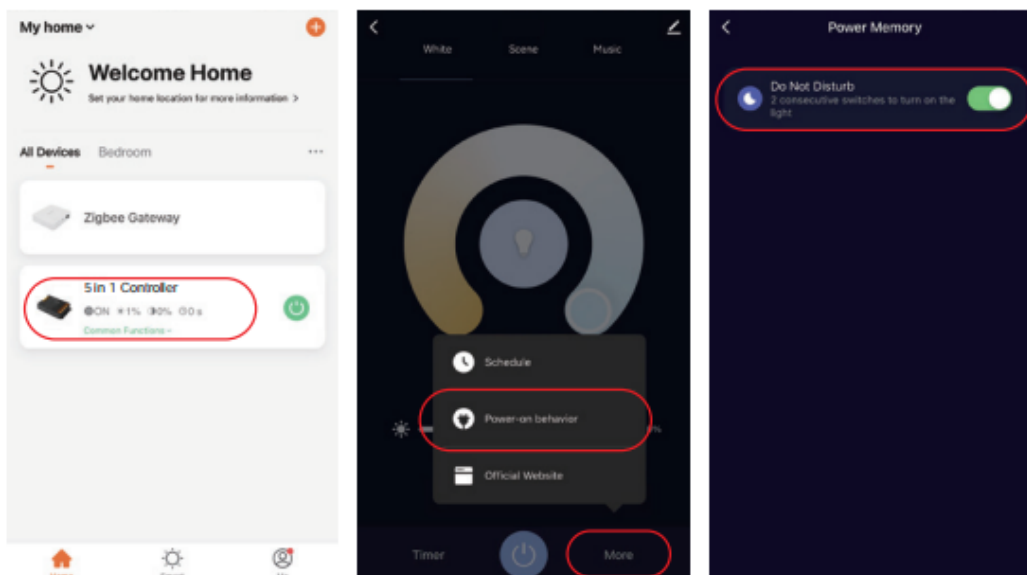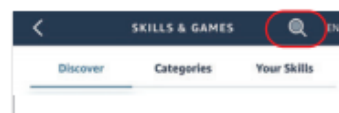

Alexa voice control instruction

Please add device into **[Tuya Smart]** app (check details in page 7), then start following steps

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

4). Click " 🔍 " 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

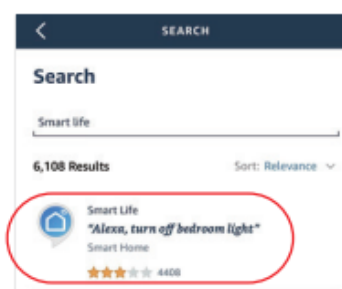Please add device into **[Tuya Smart]** app (check details in page 7), then start following steps

1). Open Google Home App

2). Click "+" on the top of left corner
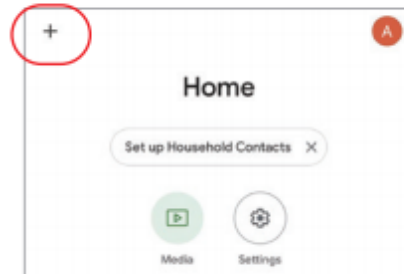
3). Click "Set up device"

4). Click "Works with Google"

5). Click " 🔍 " on the top of right corner

6). Type into "Smart life" and search

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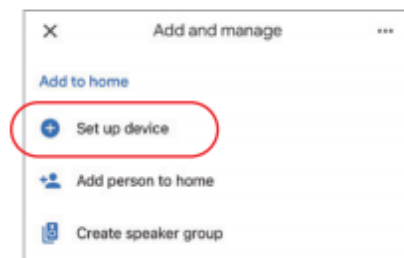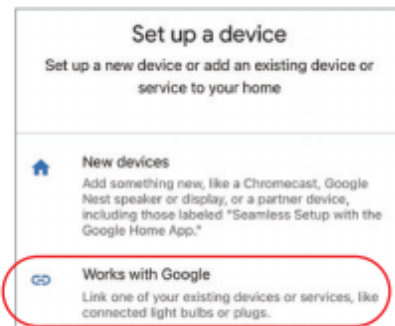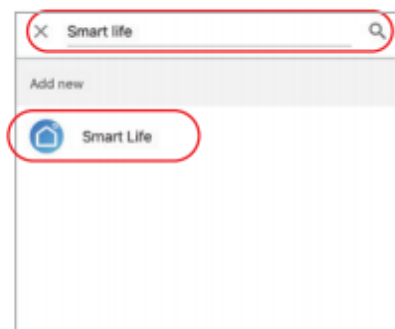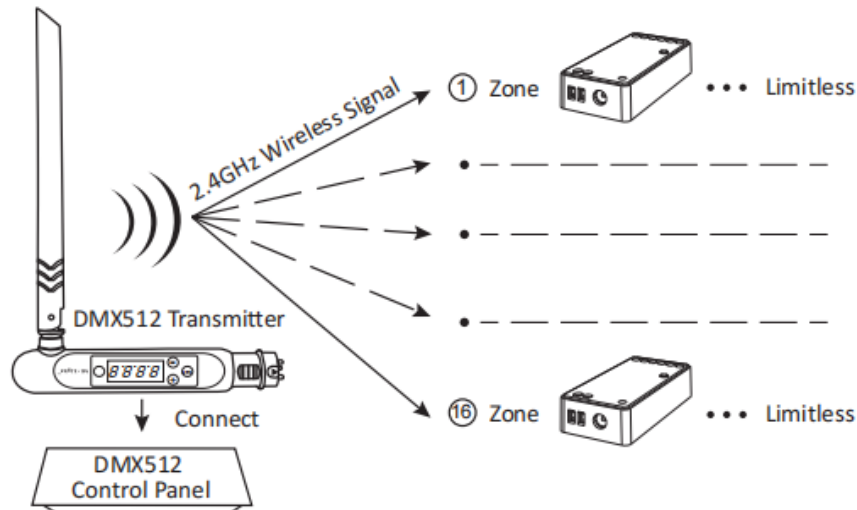   instruction to finish configuration
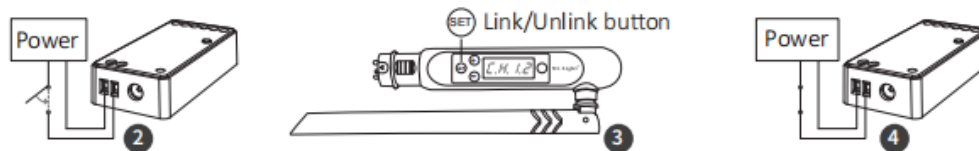   and start voice control

DMX512 LED Transmitter Control (Purchased separately)

DMX512 LED Transmitter Link/Unlink

❶ Follow instruction of DMX512 transmitter (FUTD01), Choose the zone for the light by pressing " + " or " - " (e.g. "CH12" means zone 12)

Link

The controller is powered off for 10 seconds and then powered on, or press " SET " button 1 time.

Short press " SET " 3 times within 3 seconds while the indicator of controller is ON

Link is done once indicator of controller flashes 3 times slowly

Unlink

The controller is powered off for 10 seconds and then powered on, or press " SET " button 1 time.

Short press " SET " 5 times within 3 seconds while the indicator of controller is ON

Unlink is done once indicator of controller flashes 10 times quickly

⚠ If the link or unlink failed, please follow the above steps again.

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.
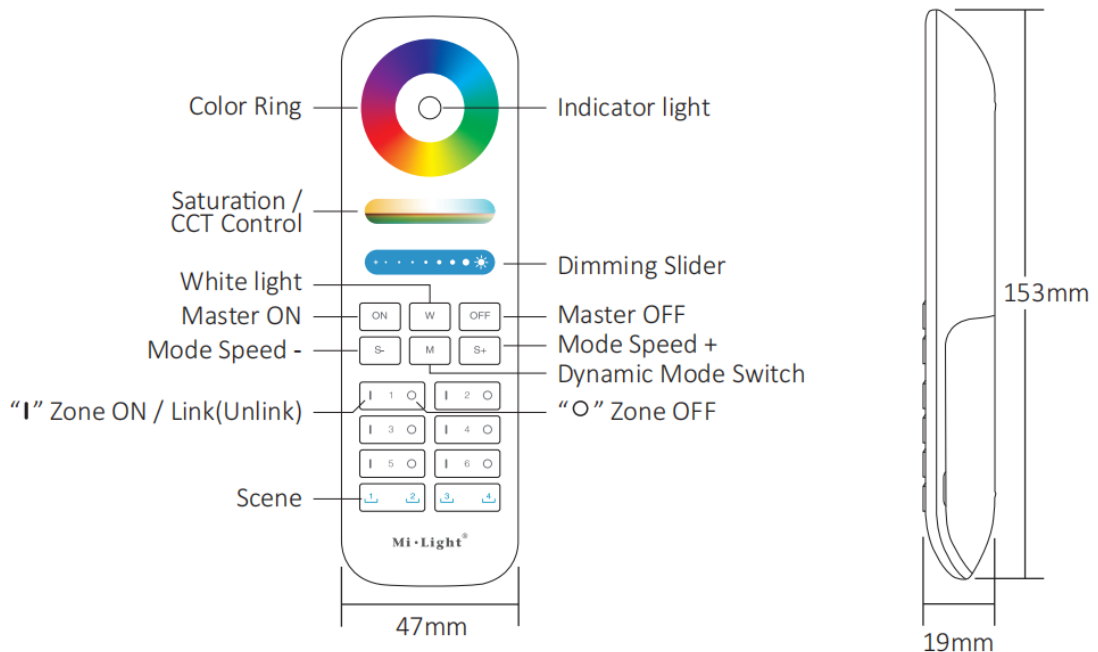
6-Zone RGB+CCT Remote
Model No.: FUT089S

1. Features

This product adopt world-wide used 2.4GHz frequency, GFSK control method, with the features of low power consumption, long distance transmitting, strong anti-interference and fast communication rate. can control specified Mi-Light / MiBoxer smart light with color, Adjustable light color, color temperature, saturation, brightness.

2. Products Key Diagram

Color Ring — Indicator light
Saturation / CCT Control
White light
Master ON — Master OFF
Mode Speed - — Mode Speed +
Dynamic Mode Switch
"I" Zone ON / Link(Unlink) — "O" Zone OFF
Scene
Dimming Slider

Mi·Light®

47mm
153mm
19mm

Touch the color ring to adjust light colors.

Under white light mode, adjust light color temperature;
Under color light mode, adjust color saturation.

Slide the brightness slider to adjust light the brightness.

W Short press switch to white light mode.

ON Short press: control all paired lights;
Long press: dim top brightness for all lights.

OFF Short press: turn off all paired lights;
Long press: turn on "night light mode" for all lights.

M Short press switch to Dynamic Mode.

S+ Under dynamic mode: Speed up dynamic mode while pressing shortly;
Under static mode: 60s delay off while doing long press (countdown started once the light flashes one time)

S- Under dynamic mode : slow down speed of dynamic mode once press shortly;
Under static mode: 30s delay off while doing long press (countdown started once the light flashes one time)

S+ Under dynamic mode: Speed up dynamic mode while pressing shortly;
Under static mode: 60s delay off while doing long press (countdown started once the light flashes one time).

S- Under dynamic mode : slow down speed of dynamic mode once press shortly;
Under static mode: 30s delay off while doing long press (countdown started once the light flashes one time).
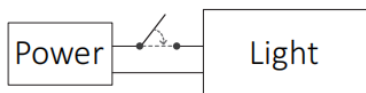
1...4 Short press: activate scene Long press 3 seconds: save color or dynamic mode
(the light flashes one time slowly once completed successfully).

3. Linking Code / Unlinking Code Instructions

Attention: the light must be paired with remote control.
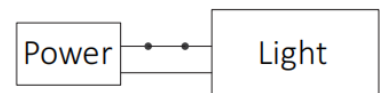
Linking Code Instructions

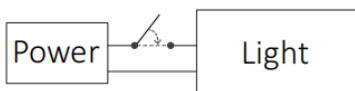| Power — Light	Link / Unlink button	Power — Light
①	**②**	**③**
Switch off light, after 10 seconds then switch on again.	Short press " I " button 3 times within 3 seconds when light on.	Lights blink 3 times slowly means linking is done successfully.

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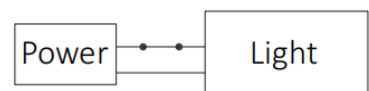
Unlinking Code Instructions

| Power — Light	Link / Unlink button	Power — Light
①	**②**	**③**
Switch off light, after 10 seconds then switch on again.	Short press " I " button 5 times within 3 seconds when light on.	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)

4. Group control instruction

Pairing lights into different groups, dim and control light flexibly
Group control solution: Press " I " firstly and dim, example as below.
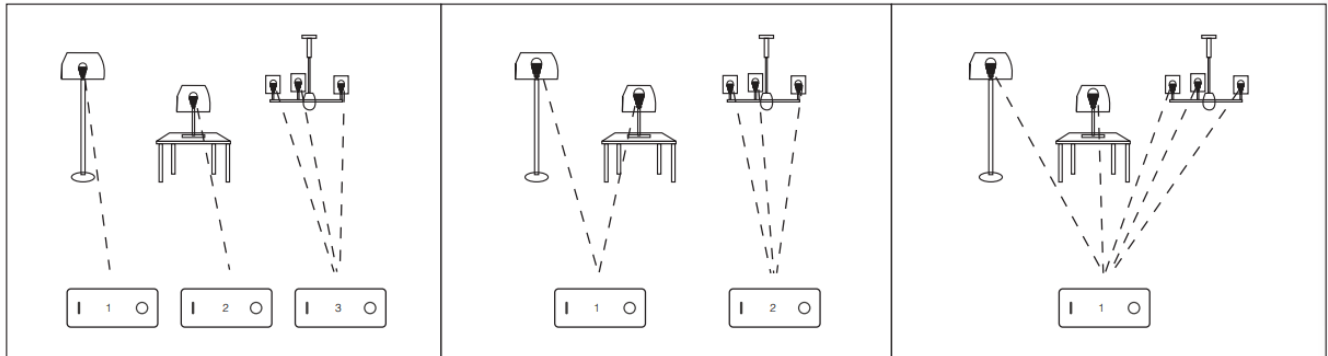
Attention:

1. Countless lights can be added into each zone.
2. One light only can be paired with one sub zone from anyone remote.

5. Attention

1. This remote only support Mi-Light /Miboxer 2.4G product series, kindly review light instruction to check compatibility.
2. In the using of the remote, if the indicated lamp blinking quickly, Please change the battery in time. Please don't use poor quality battery to avoid the leaking of battery liquid to damage the remote.
3. The remote is accurate electronics, don't use it in humid or high temperature area, remove battery and keep it in dry or free static electricity environment.
4. Please don't use the remote on the wide-range metal or strong electromagnetic wave area, otherwise, it will badly affect the controlling distance.