SHINE TUNE & LUMA TUNE
DOWN LIGHTS

2.4G+WiFi

Instructions for wireless dimming and color changeable system
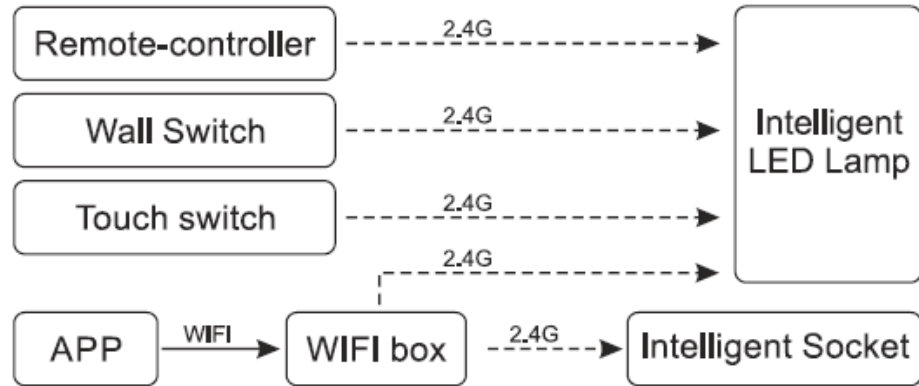
2.4G+WIFI

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Chapter One: 2.4G wireless LED remote constant current control

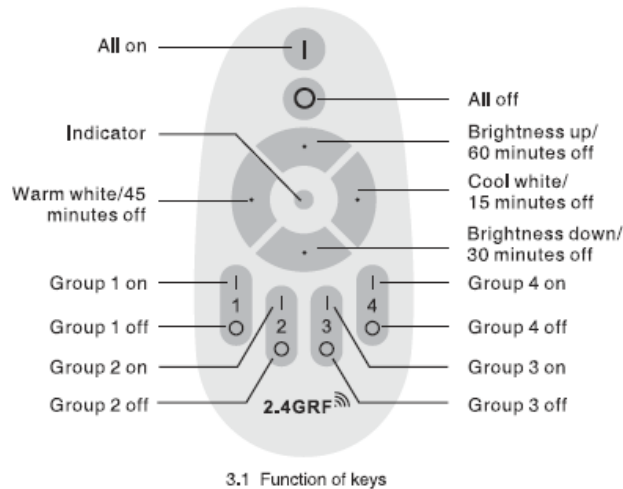1. System Block Diagram

2. Features and functions

This system is a high performance LED 2.4G & Wi-Fi wireless dimmable and colour changeable functioning product. It is mainly used on all kinds of LED lighting which needs to be dimmable and colour changeable, such as LED lamp, LED ceiling light, LED down light, LED panel light, etc. The remote can control the LED lights directly. It can also be controlled by a mobile phone Smart Home App which sends signals to the Wi-Fi Box to control the LED lights. The grouping function is a flexible and convenient operation never experienced before.

Chapter Two: Remote-control

1. Remote-control parameters

Type	Specification	Remark
Power supply	3V	Two pieces of AAA battery
Radio frequency	2400MHz~2483.5MHz	
Modulation Mode	GFSK	
Emission power	6dBm	
Standby power consumption	5µA	
Telecontrol distance	20m-30m	
Dimension	103.8mmx40mmx25mm	

2.   Function of keys

3.1 Function of keys

3.   Operation Instruction

3.1 Divide group and match code

After LED lighting is installed and power connected, choose the lights you wish to assign to a group (for example Group 1).

IMPORTANT NOTE: Before grouping the lights, their address codes will need to be cleared.

To do this, make sure the lights are switched off for at least 10 seconds. Then switch on again. Then press ⬚ 5 times within 3 seconds of turning the power on. The light will blink 6 times fast, this indicates the code clearing is successful. Once cleared, the lights can now be grouped. To do this, turn off the lights, after 10 seconds turn on again, press this key ⬚ once (within 3 seconds from switching the lights on), at this moment the lights will flicker three times slowly. This indicates that the lights are successfully grouped. You can then control their brightness, colour temperature, timer setting and night light for this group lights. To group more lights, just repeat the above steps until all lights are grouped.

3.2 Code clearing

If the room layout changes or you need to change a group setting, you will need to clear the address code of the lighting before regrouping the lights. The method is as follows: Choose group of lights that you want to clear on a particular code, turn off the power. After 10 seconds turn power on again. Then press ⬚ 5 times within 3 seconds of turning the power on. The light will blink 6 times fast, this indicates the code clearing is successful. You can then match the code and regroup the lights as described in section 3.1.

3.3   Synchronisation and control by group function

The UPPER key can turn the brightness up, the LOWER key can turn the brightness down. The LEFT key can decrease the colour temperature (2700K), the right key can increase the colour temperature (7000K). Once set press ⏽ , press any key of to control the four group lights simultaneously. Press , to control separately by group.

3.4   Night Light Mode

Press this button for more than 2 seconds, all lights of this group will turn into Night Light mode. The Night Light brightness is only 2% of the highest brightness. Press any key to return to the previous mode.

3.5   Timer Setting Mode

Press this button to turn lights on by group. The LED lights will flicker once into the timer setting mode. Within 3 seconds, press any key from , the LED lights will flicker 1-4 times. If it does this, the timer setting is successful. See the table below to set the desired time.

Key Flickers	Set Time (minutes)
Right key flickers once	15 mins
Lower key flickers twice	30 mins
Left key flickers three times	45 mins
Upper key flickers four times	60 mins

To exit the timer setting mode, press to turn off by group.

3.6   Control by group

One remote can control many lights or multiple remotes can control one group of lights. For example, one remote can match with one group of LED lights. Turn the group power off and hold for more than 10 seconds. Then turn on within 3 seconds, you can use another remote to match the code with the same group. Thus the two remotes can control the same group of lights.
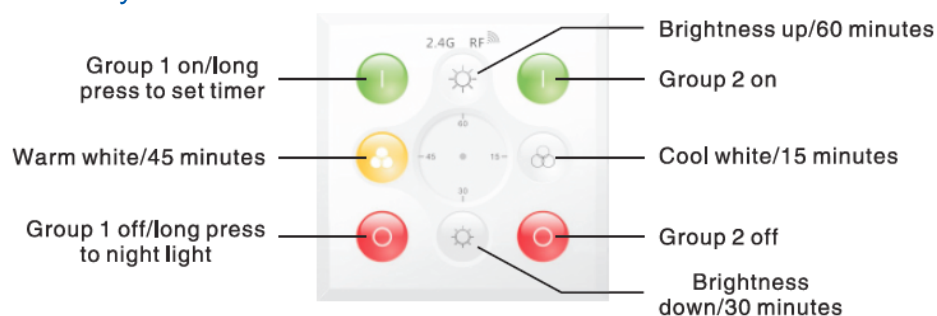
3.7   Power off Memory

The brightness and colour temperature will remain in the remotes memory after power off.

Chapter Three: Wireless Wall Touch Switch

1. Technical Data

Items	Parameter	Remark
Power Voltage	3V(two AAA 7# battery)	Two AAA battery
Transmitting	2400MHz~2483.5MHz	
Transmitting power	6dBm	
Standby power consumption	5μA	
Touch mode	Capacitive Touch	
Control distance	20m~30m	
Dimension	109mmx53mmx22mm	
Material	imported PC	
standby time	90 Days	

2. Function of keys

3. Operation Instructions

3.1 Divide group and match code

Turn off the power and after 10 seconds turn on again, please press this key ⬤ (within 3 seconds). At this moment you will see the lights flicker three times slowly. If this happens, the lights are successfully grouped. Then you can control brightness, colour temperature, timer and Night Light for this group of lights. To group the other lights, just repeat the above steps until all lights are grouped.

3.2 Code clearing

If the room layout changes or you need to change a group setting, you will need to clear the address code of the lighting before regrouping the lights. This method is as follows: Choose the lights that you want to clear the code, turn off the power. After 10 seconds turn power on again. Then press ⬤ 5 times within 3 seconds from turning the power on. The light will blink 6 times fast to indicate the code clearing was successful. You can then match the code and regroup the lights as described in Section 3.1.

3.3   Night Light Mode

Press ⭘ for more than 2 seconds, all lights for this group will turn into Night Light mode. Night Light brightness is only 2% of the highest brightness. Press any key to return to the previous mode.

3.4   Timer Setting Mode

Press 🟢 for more than 2 seconds to turn on by group. The LED lights will flicker once into the timer setting mode. Within 3 seconds, press any key of the UPPER, LOWER, LEFT, RIGHT keys, the LED lights will flicker 1-4 times. If it does this, the time setting is successful. See the table below to set the desired time.

Button	Flickers	Set Time (minutes)
	Flickers once	15 mins
	Flickers twice	30 mins
	Flickers three times	45 mins
	Flickers four times	60 mins

To exit timer setting mode, press the turn off group button.

3.5   Control by group

One remote can control many lights or multiple remotes can control one group of lights. For example, one remote can be matched with one group of LED lights. You can turn off the group by pressing the power button for more than 10 seconds. Then turn on within 3 seconds you can use another remote to match the code with the same group. Thus, the two remotes can control the same group of lights.

3.6   Power off Memory

The brightness and colour temperature will remain in the remotes memory after power off.

Chapter Four: Wi-Fi Box & Mobile App

1. Wi-Fi Box

The Smart Wi-Fi box is equivalent to a signal transfer device. It receives and converts instructions from a mobile phone or tablet.

Please Note: The Wi-Fi box signal can cover up to 30 metres.

- ◆ Voltage: AC200–240V
- ◆ Working temperature: –20℃~45℃
- ◆ Relative humidity: 10% ~ 93%
- ◆ Remote Control distance: 30M
- ◆ Remote Control frequency: 2.4G
- ◆ Product size: 110*65*45mm
- ◆ Remote Controllable by Mobile APP

2. APP Operating Instructions

1) Firstly, on your smart device (mobile phone or tablet) visit the Lanark Trading website to download the Smart Home App. Click the relevant link to download the App.

2) Plug the Smart Wi-Fi box through the AC adapter connected to 85V~265VAC 50/60Hz. Once connected, the control box light will light up red. The Wi-Fi box is now ready for synchronisation. On your smart device, make sure Wi-Fi is turned on and in the Wi-Fi list, click to connect to the Wi-Fi Box name and ID.
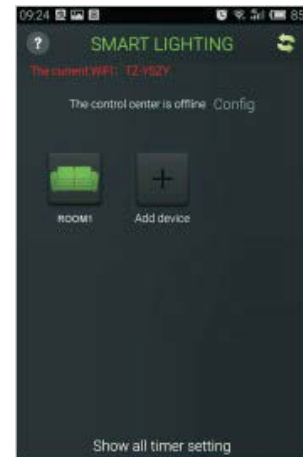
3) Click on the SMART HOME APP icon into the intelligent household main interface (as shown in figure 4.1), click on the Lamp Control button. At the bottom of the screen, after the device list, you should see the Wi-Fi Box name and ID (as shown in figure 4.2). Enter your own local Wi-Fi name and password. Then press the configuration/setting button. The system will begin to automatically configure. The configuration will take within 30 seconds to complete.

4.2 Configuration interface

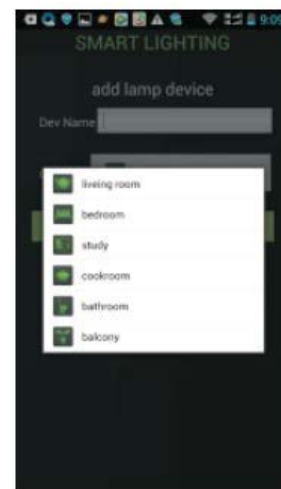4.3 Add Light Control Device interface

interface

4) After the success of the configuration, the lighting control interface will appear (as shown in figure 4.3). Press on the Add Device button (at this point it is grey). Fill in a device name/number and select a category for the device (as shown in figure 4.5). Press on the Add Device button. If successful, the icon will turn green and will automatically return to the main interface as shown in figure 4.4. Repeat this step to add multiple devices.

4.4 Lighting Control main interface

4.5 Add Light Control Device interface

5) How to operate the lights:

    a) Firstly, switch off all lights for at least 10 seconds.

    b) Using the APP, go to the Lighting Control Main Interface (as shown in figure 4.4).

    c) Click on the device icon for an area (such as the living room).

    d) The light colour temperature control screen will appear (as shown below in figure 4.6)

    e) Press the light OFF button.

    f) At the switch, turn on the first group of lights.

    g) In the APP, press the light ON button **within 3 seconds of switching the lights on.**
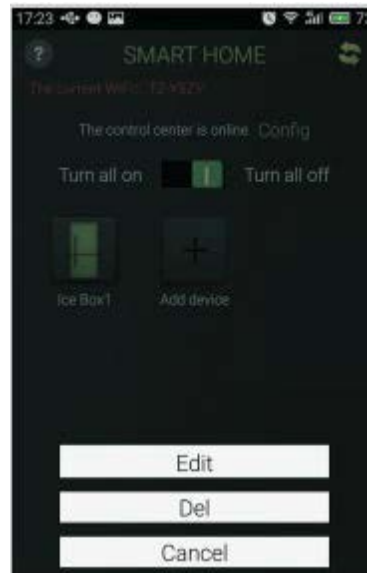
4.6 Colour Temperature Control interface

    h) The lights will flash slowly 3 times. This indicates that the lights have been successfully grouped via the APP.

    i) Once successfully grouped, you can use the sliding bars to control the lights Colour Temperature and Brightness. There are also 4 pre-set modes to choose from: Night, Life, Rest & Romantic.

    j) NOTE: If grouping more lights, ensure that all lights are switched off and repeat the above steps until all lights are grouped. Now you are able to control all devices for any group of lights.

A timer function is also available (on Android APP only). It allows you to schedule the same routine operation at the same time or turn on/off a device by the time allocated.

6) Click on the Timer Setting button located at the bottom of screen. The Timer Setting interface will appear (as shown in Figure 4.8). You can select a time and day.

4.8 Timer Setting interface

4.9 Editing interface

7) Editing features: To edit the settings for any device such as the living room lights, go to the lighting control main interface (as shown in figure 4.4). Press the icon for 2 seconds, then at the bottom of the editing interface a popup will appear (as shown in figure 4.9). Here you can edit the device name/number, timer setting and you can also delete the device.