

**Model Number: ZJ-MB-RGBW**

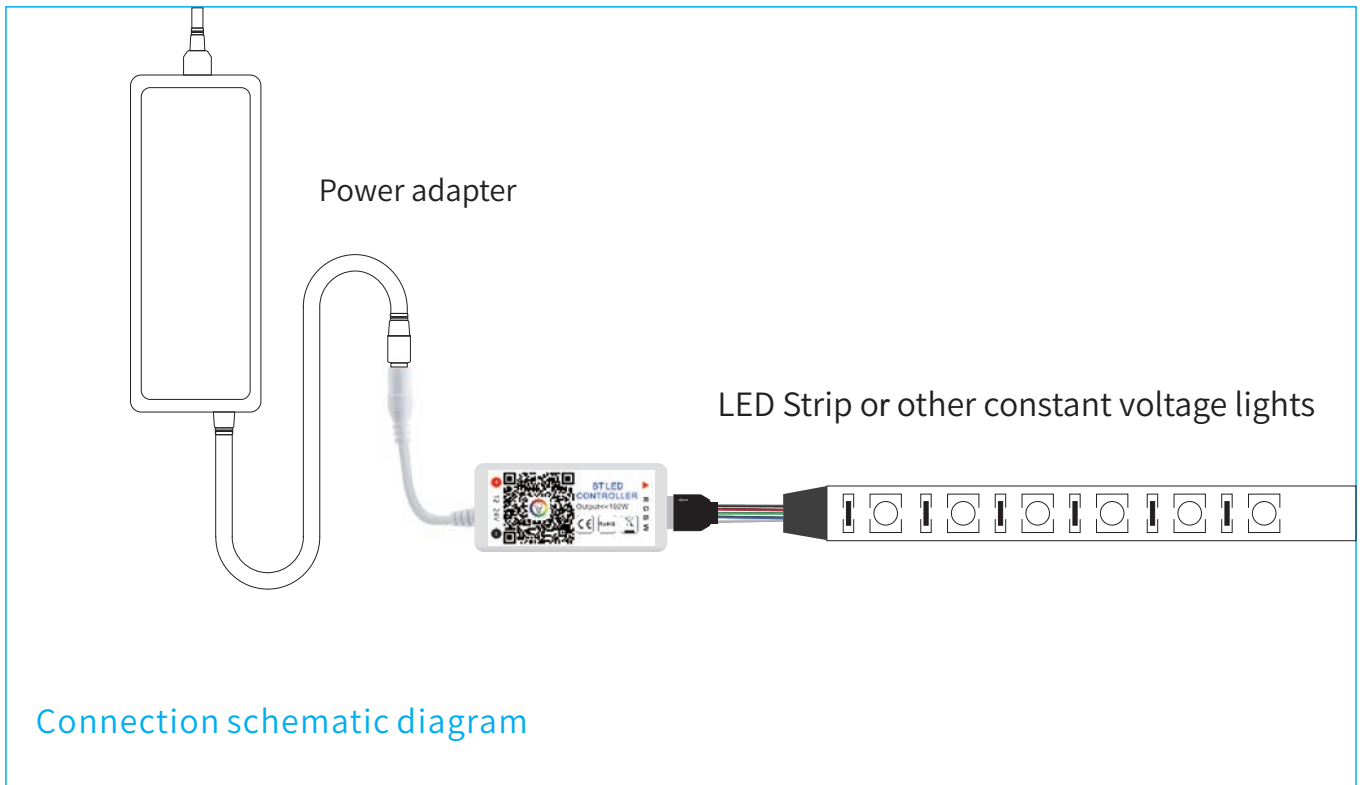
**Product Name: RGBW BLUETOOTH LED MINI Controller**



## Product Parameter:

Category	LED Controller
Domination Principle	BLUETOOTH
APP	Magic Light
Language	Chinese、English、Japanese
Operation Platform	Android 4.3 or IOS 7.0 or higher
LED Drive Type	Constant voltage:MOSFET
Channels	4
Input Voltage	DC (12-24)V
Max Output Power	192W
Work For	LED Strip or other constant voltage lights
Connect Method	Common Anode
IP Rating	IP20
Working Temperature	-20-55°C
Control Distance	Visible distance 30M
Certification	CE, RoHS, FCC
Warranty	1 Year
Net Weight	42.5g
Dimension(L*B*H)	53MM*24MM*11MM
Carton Size(L*B*H)	55CM*29CM*23CM
QTY Per Carton	200Sets/CTN
Gross Weight	5.7kg

# Controller connection mode



The connection between the controller and the power supply



Controller and device connection

It is necessary to ensure that the red arrow of the controller corresponds to the black arrow at the device end, otherwise the device will have a short circuit.



# Software User Manual for IOS

## 1. APP installation instructions:

Method 1: Search app individually in “APP Store”.



Magic Light

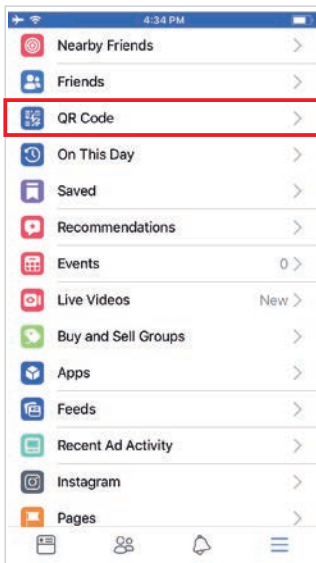


## Install by QR Code

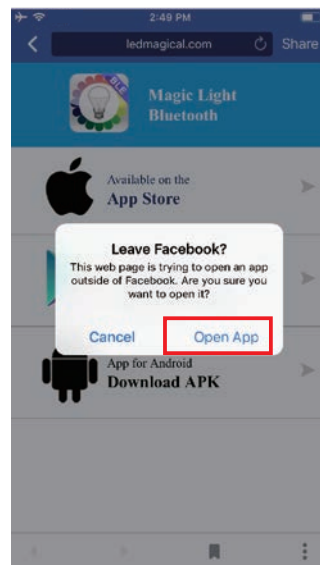
Method 2: Open QR Software then scan the below QR Code, then download & install it for free.



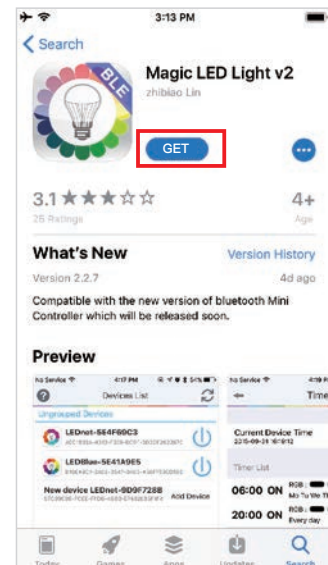
Installation details as below.



Step 1



Step 2



Step 3

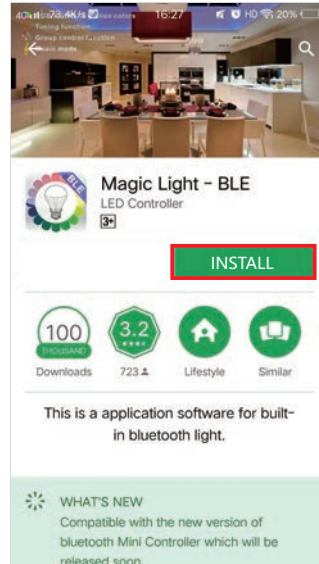
# Software User Manual for Android.

APP installation instructions:

Method 1: Search Magic Light in “Google Play Store” or from browsers. Installation details as follow.



Step 1

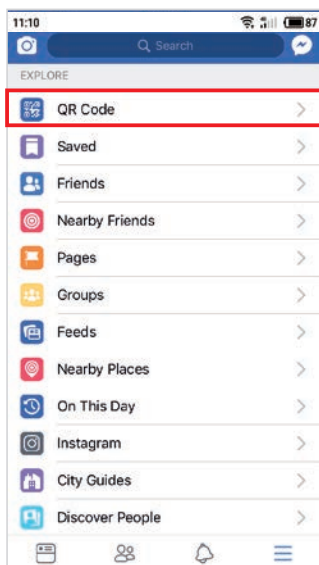


Step 2

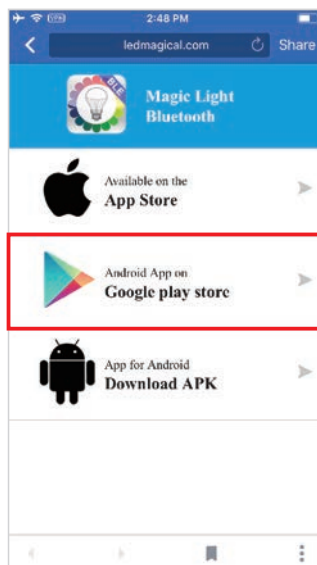
Method 2: Scan the below QR code to download and install the app individually for free.



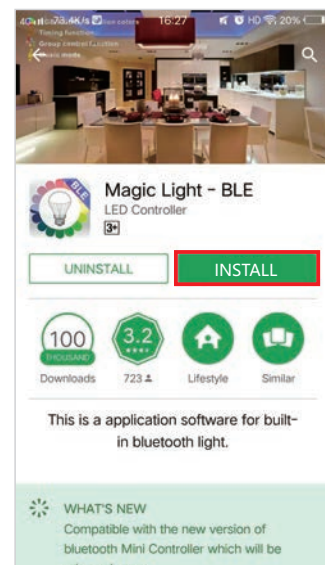
Installation details as below.



Step 1



Step 2



Step 3

# PRODUCT FUNCTION INTRODUCTION

## Support 16 million color control and brightness adjustment

You can adjust both the color RGB(Red/Green/Blue) as well as the brightness of the color. It's likewise possible in this function to adjust and store 5 own created colors and brightness levels. You can save this, if you press long on the “DIY” button.

The adjusted color/brightness will be stored and displayed in the “DIY” button. You can recall the color/brightness if you press shortly on one of the five DIY buttons.

On the display top left, the individual channels R/G/B can be called separately and adjusted from 0-255 to obtain the desired color.

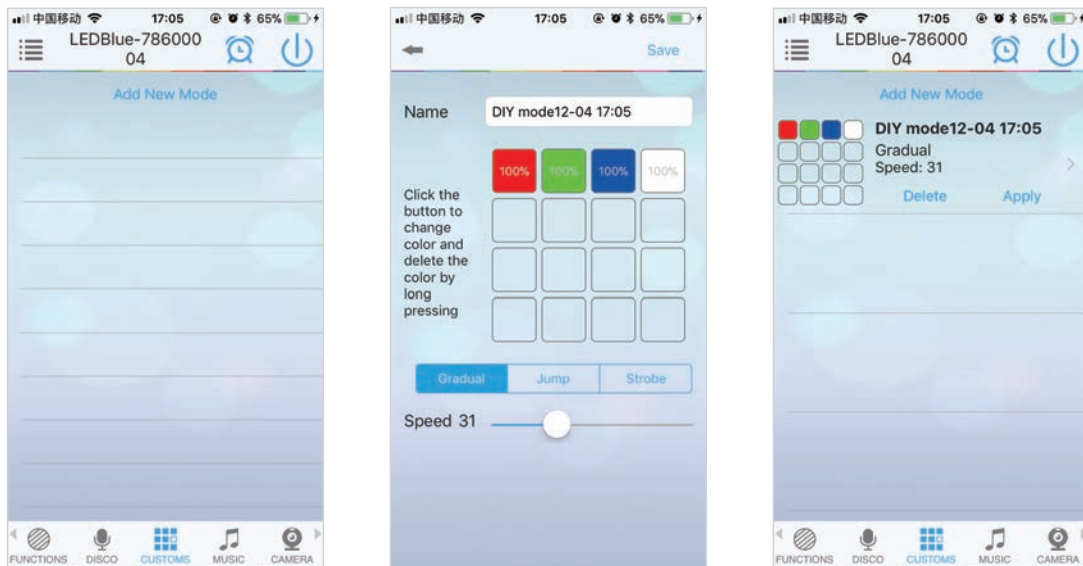


## RGBW

In addition to the functions as in RGB mode, the warm white channel adjusts separately. (Warm White & RGB channels cannot be used simultaneously.)

## Support for customised colours and preservation

In DIY function, you can select your favorite colors and gradual, jump or strobe between the functions. Press the menu “customs” and then “Add new Mode”. By briefly pressing one of the selection rectangles you can change the color. By pressing long, you can delete the color. It can be defined in a sequence up to 16 different colors. After setting the color, speed and award of the user mode name, press “save” on the top right. Now you see your personal role in the selection mode. You can create unlimited changing modes and they can always be edited or deleted.

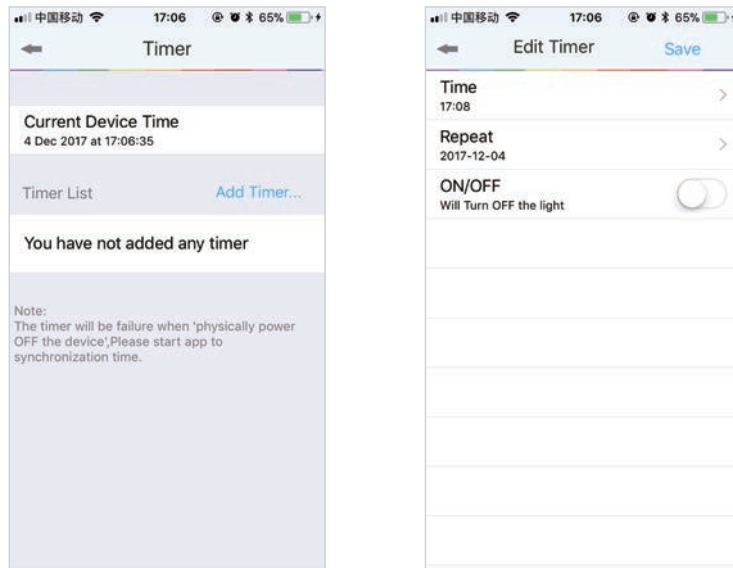


## Group Feature

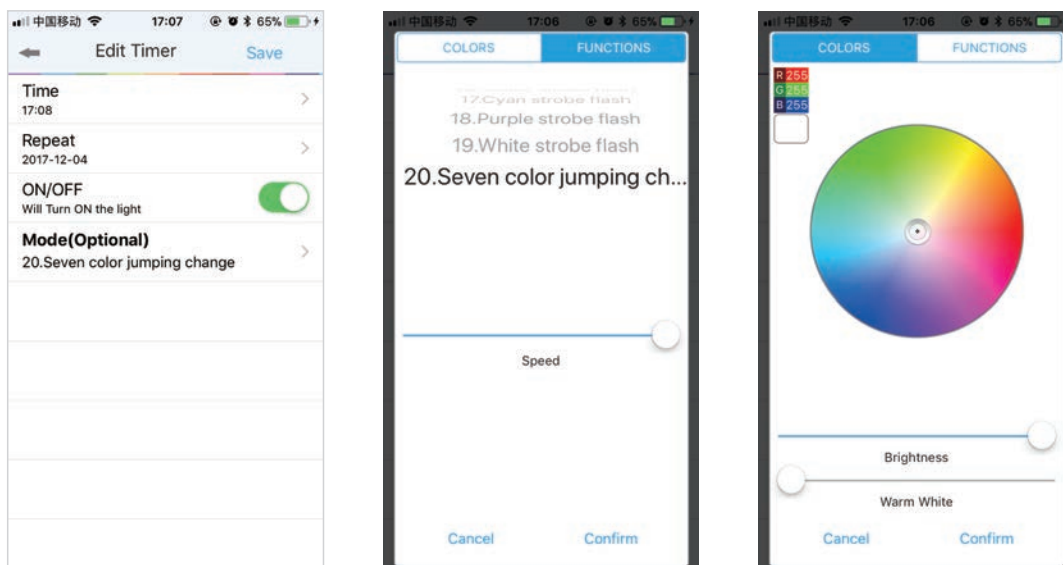
Zengge controllers (Magic Home Pro) allows you to create different groups to control more than one controllers, for example, if you have 2 controller units, you can use one system in your living room & the other out on your patio. The grouping function allows you to either control these systems individually or to group them together as one unit.

## Light timer

You can have your lights automatically turn on or off in a specified time by setting up the timer.



The controller has a built-in timer function. To do so, press on the top right, next to ON/OFF, switch the clock icon. Then the selection menu will be shown with time, Repeat (Mon-Sun), ON/OFF switch and the optional Model (color setting, Brightness and gradient program.) The timer will not operate when the power supply is interrupted. In this case, start the APP to resynchronize.



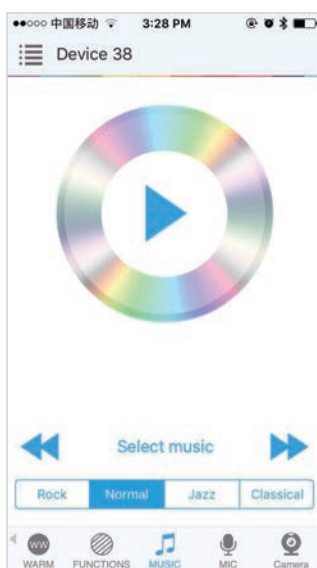
## Light and music rhythm synchronization function

In this function, you can let shine the connected LED in the rhythm of the music will be played on the smartphone or tablet. To do this, select the menu item “select music” and then select your music library on smartphone or tablet the desired music.

There are four main modes for four music styles: ROCK for rock & roll music style, NORMAL for default music style, JAZZ for jazz music style, CLASSICAL for classical music style.

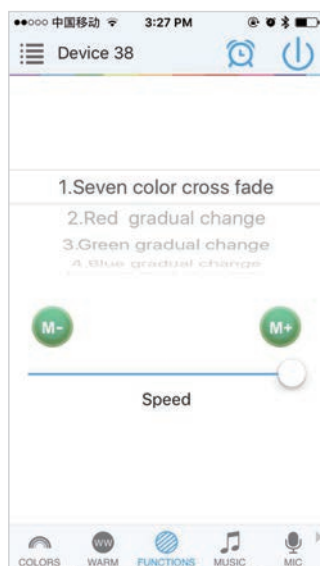
IOS system needs to download music files in iTunes or copy audio files from computer's iTunes to iPhone. After then, you can select the music when you open APP music mode to synchronize the lights and music rhythm. The light color changes automatically with music rhythm.

Android system needs to download the music files to the phone for use.



## Function

In this capacity, 20 programmed are preset. In addition, you can adjust the speed of the gradients with a slider. With the keys M+/M- or scroll up and down you can switch between the preset modes.



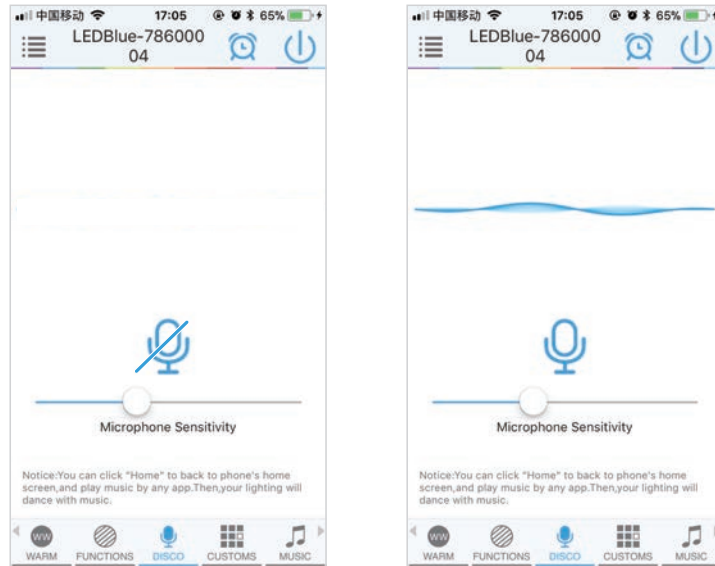


## Microphone function

Click/ go to “Disco” interface of the APP.

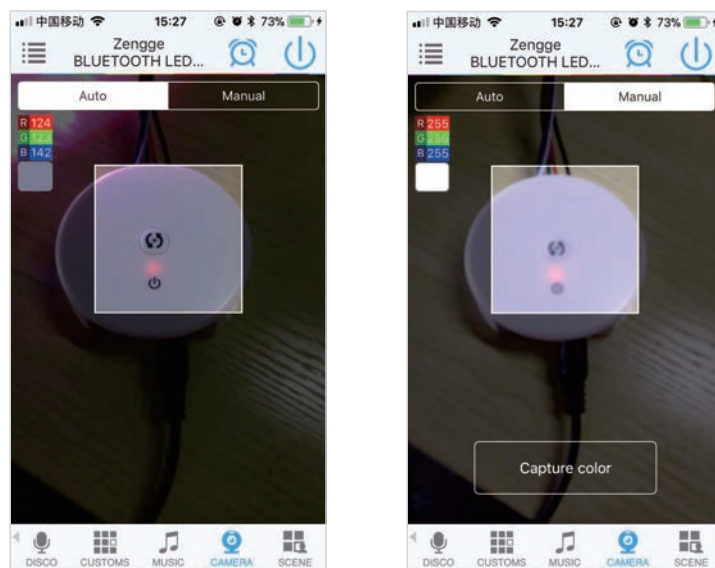
In this function the connected LED light lights up depending on the volume/noise from the outside like a microphone. This also works when playing music or there is a noise from outside, the light will begin “dancing” base on different rhythm.

The microphone sensitivity can be adjusted by the slider.



## Background color function of camera

In this function, you can select a color with the smartphone or tablet where you point the camera of your smartphone or tablet to an object. The selected color will be display from the connected LED light in the RGB spectrum. This can be done manually transmitted to the LED light with “Manual” “Capture color” or switch to “Auto” and the LED light will show immediately the color which has been selected on the camera.



# FAQ

## 1. [How to setup your Bluetooth light?](#)

Enable your Bluetooth on your phone.

Then power on the light via switch.

Open current app and add the bluetooth light within one minute, enjoy

### Note:

1) Do not install bulb with dimmer switch or 3-way lamp.

2) Bluetooth smart lights does not require a PIN to connect to. Do not pair the smart light under Bluetooth settings.

## 2. [What type of equipment supports the application?](#)

Any IOS device with Bluetooth 4.0 and later versions. The app will work with iPhone, iPad, Apple Watch.

## 3. [How far can I control Bluetooth light from my phone?](#)

The distance can be between 18-30 meters without obstructions. When you control the light, while having obstructions running on your phone, the Bluetooth signal will not be as strong.

## 4. [How many lights can I control at the same time?](#)

You can control up to five Bluetooth lights from the app. You can set different groups such as Group 1, Group 2 etc. and add up to 5 lights in each group. You can control these groups together or separately.

## 5. [Why doesn't the time function work?](#)

The timer will not work on the app when the power supply to the Bluetooth light has been last.

## 6. [What shall I do if I can't connect to the light or adding a new device failed?](#)

Turn the Bluetooth light off at the power supply. Refresh and try again.

## 7. [My phone keeps disconnection from the smart light](#)

If you are noticing connectivity issues with the Bluetooth smart light, its likely due to one or more of the following:

The light is placed in a recessed or enclosed light fixture that interferes with the Bluetooth signal and reduces air circulation.

The bulb is placed in a metal light fixture that interferes with the Bluetooth signal.

Your phone is too far from the light.

Make sure your bulb is placed in an open light fixture that does not cause interference with the Bluetooth signal.

## 8. [I am being asked for a PIN when connecting to the light](#)

Bluetooth smart lights does not require a PIN to connect to. If you are being asked for a PIN, Do not pair the light under Bluetooth settings, The Bluetooth light requires the app to connect to and control the light. Simply open the app and click on 'Add Device' for the lights that show up.

## FAQ

### 9. [Why can't scan out the Bluetooth led device?](#)

Double check the Bluetooth led device's power is on or not.

Metal can shield the Bluetooth signal,If you install the Bluetooth led device to a metal lanterns,the blueototh led device maybe will not come out form the APP.

For a Bluetooth led device, only one phone can control it at a time,do not use more phone to control it at same time.

## ATTENTIONS

1. Please use the product in a dry environment.
2. Please use the input voltage at 5-28V DC voltage, must not connect into 220V AC directly.
3. The product is requested common anode connection. The wrong connection will cause a malfunction.