



# WIFI Controller

## LC-RGBW-WIFI-01

### Features:

Specially design for 5V-24V RGB LED strip and low constant voltage LED lights, self-adaptive DC 5V-24V voltage input, apply to most common RGB LED product. Used for controlling color, brightness and changing pattern via iPhone/iPod/iPad and other portable devices.

### Technical Parameters:

Model No. : LC-RGBW-WIFI-01  
Power Supply : Constant voltage power  
Input Voltage : 5-24V  
Output Channel : 4 channels  
Channel Current : 2A/Channel, 8A in total  
Output Power : 96/192W  
Control Distance : 100m(in open condition)  
Net Weight : 120g  
Gross Weight : 150g

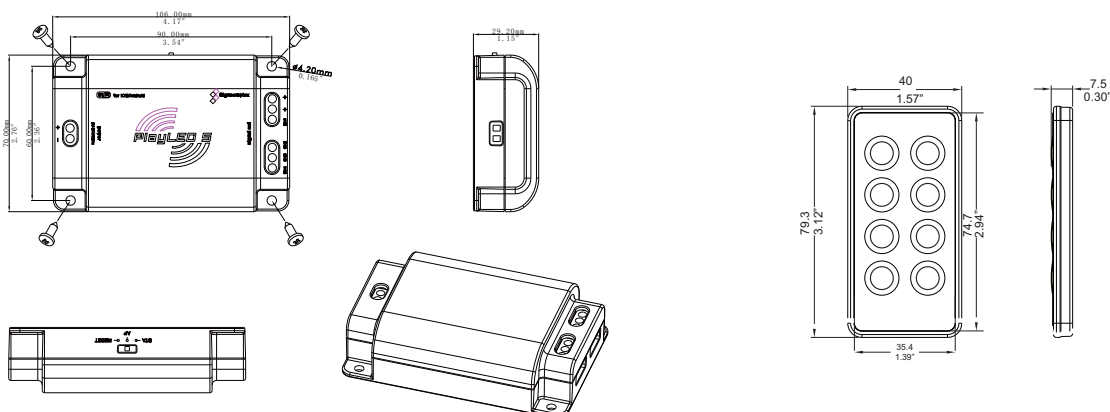


### Functions:

1. Suitable for IOS7.1, Android 4.0 + system;
2. Can acquire control software of Apple system and Android system for free, no plugin;
3. Personalized interface and humanized operation, easy to use.
4. W,WW/W,RGB,RGBW and two LED-Controller II Setting, 6 operation interfaces in total;the first four interfaces correspond to dimming controller, color temperature controller, RGB controller, RGBW controller interface seperately; two LED-Controller II Setting interfaces are used to set APP lock and ID of controller;
5. This controller has preset patterns, customized patterns and DIY patterns.
6. This controller have four functions of dimming controller, Color temperature controller, RGB controller and RGBW controller. No need for bothering purchasing various type of controller since one LC-RGBW-WIFI-01 controller can meet all your 4 demands.
7. This controller is compatible with our company's remote, so that your portable device and remote can control this controller in the same time, bring you more convenience and choices. RF mode has 37 patterns.
8. The controller can connect maximum 3 mobile devices simultaneously.



## Dimensions: (Unit: mm/inch)



## Application Instructions:

1. Connect controller with LED strip (See wiring diagram).
2. After install corresponding control software on mobile device, turn on WI-FI network, and choose access point (as Played5), connect it successfully. Start LED-Controller II APP, and enter the interface (as figure 1), click the mode you want to enter (AP-MODE OR STA-MODE). If Connected error display (as figure 2), check whether the device is connected successfully. If enter into another interface (as figure 3) successfully, which means your mobile device is connected to controller successfully (as figure 3).



Figure 1

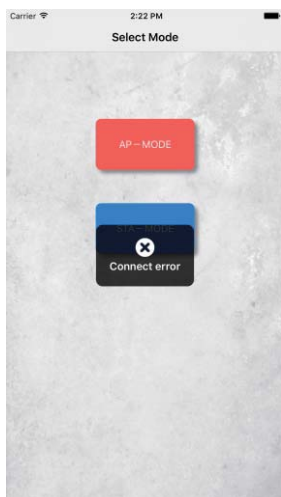


Figure 2

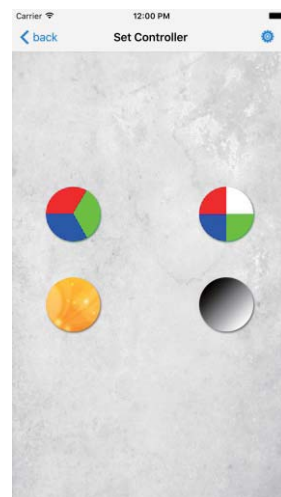


Figure 3

## W(Dimming controller)

Touch to enter figure 4 interface; Touch to go back to figure 3 interface; Touch **One Color** to enter figure 5 interface for dimming; Touch **Mode Select** to enter figure 6 interface which can choose 4 patterns below **Mode** (1. Static 2. Jump Change 3. Bright and Dark Gradual Change 4. Mix Gradual Change). Below **Effect** you can choose color effect, there is only 1 color effect in this mode, use sliders of **Speed** and **Brightness** to separately adjust speed and brightness of the pattern. and are switch and pause (Same as below)



Figure 4



Figure 5

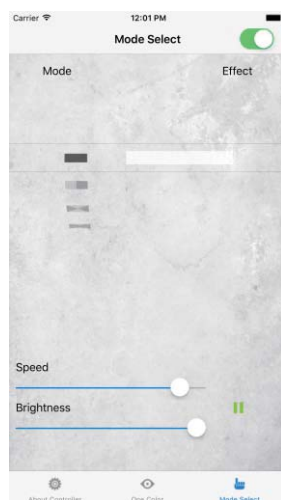


Figure 6

### WW/W(Color temperature controller)

Touch to enter figure 4 interface; Touch to go back to figure 3 interface; Touch **Two Color** to enter figure 7 interface to choose color temperature; Touch **Mode Select** to enter figure 8 interface which can choose 4 patterns below **Mode**(Same as above).Below **Effect** you can choose color effect.Function of **Speed**,**Brightness**, and is the same as above.



Figure 7

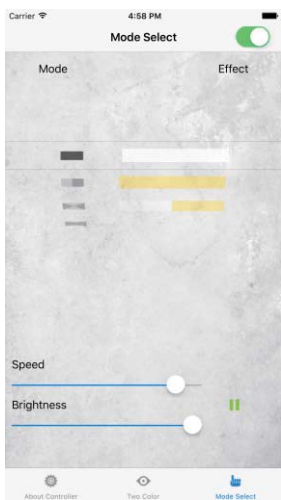


Figure 8



Figure 9

### RGB(RGB controller)

Touch to enter figure 9 interface; Touch to go back to figure 3 interface; Touch **Static Color** to enter static Mode; You can use finger, gravity sensor or random ball to choose color.RGB LED light will show the chosen color immediately.Figure 10,11,12 are the pictures when using finger, gravity sensor, and random ball to choose color separately.



Figure 10

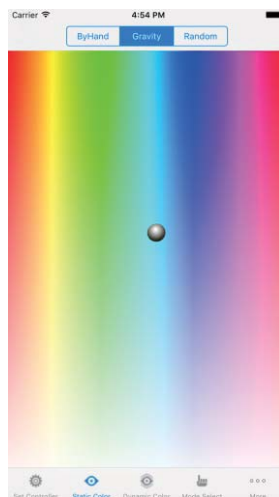


Figure 11

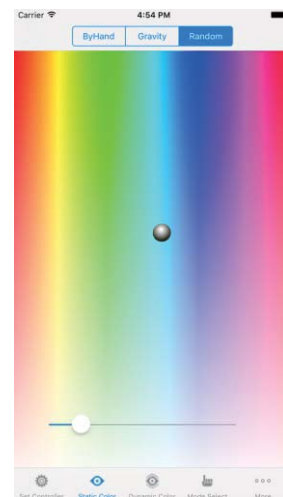


Figure 12

Touch **Dynamic Color** to enter dynamic mode( Figure 13). Slide your finger from one point to the other, light will make mix gradual change as the track of your finger on the screen.



Figure 13

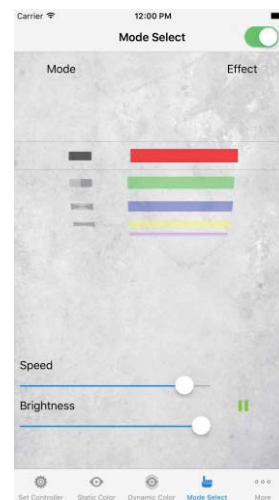


Figure 14

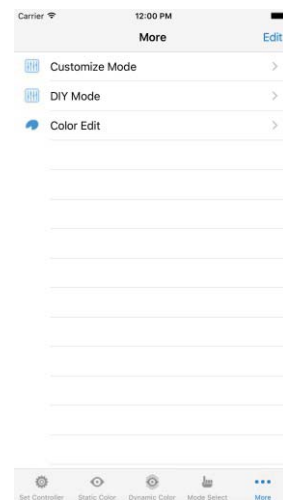


Figure 15

Touch **Mode Select** to enter pattern select mode(Figure14).

- Choose the pattern below **Mode**(1. Static 2. Jump Change 3. Gradual Change 4. Mix Gradual Change) .Can choose color effect of single or multiple colors below **Effect**.
- Mode 1: When **Effect** choosing single color, the light will show the color that you chose, invalid when choosing multiple colors. **Speed** is invalid under this mode and **Brightness** can adjust brightness of light.
- Mode 2: When **Effect** choosing single color, the light will make jump change from off to on and on to off; When choosing multiple colors,the light will make jump change among different colors.**Speed** can adjust jump change speed and **Brightness** can adjust brightness of light.
- Mode 3: When **Effect** choosing single color, the light will make gradual change as the chosen color from dark to bright and bright to dark;When choosing multiple colors, the light will make gradual change as 1 color of them from dark to bright and bright to dark, and then go to the next color and repeat the same gradual change. **Brightness** is invalid and **Speed** can adjust speed of gradual change.



Choose **DIY Mode** to enter figure 20 interface,(Touch **More** to back to figure 15) In this Interface you can DIY patterns(50 DIY patterns in total):For jump change you can choose color(9 at most)and set time period for each color; For gradual change you can choose color(9 at most) and set time period for each color.

Touch **DIY** to enter **Mode Edit**(Figure 21):

**Step**(Input 1-9): Effective steps for dynamic change.

**Gradual Time**:Mix gradual change time for each step.

**Hold Time**:Jump change time for each step.

**Color**:Touch **Click Me** to enter figure 19 interface to set corresponding color for each pace.Every time when entering **Mode Edit**, first set **Step**, like 7, then choose Step No.(1 to 7),set **Gradual Time**(or **Hold Time**) and **Color**, choose **OK** after setting a **DIY MODE** setting.

Notice:

- 1) Expect color,each item of setting should be the same and if choose GT or HT,then HT or GT should be 0.
- 2) **Step** value should be set for every DIY mode (like 7), if the steps are more than setting value (like 8,9), then **GT,HT**, color, etc of that **step** setting will be invalid.

### RGBW( RGBW controller)



Touch  to enter figure 22 interface, touch  to go back to figure 3 interface; Touch **Static Color** to enter static mode: you can use finger, gravity sensor or random ball to choose color, RGB LED light will immediately show the color you chose. Figure 23,24,25 are the pictures when use finger, gravity sensor, and random ball to choose color separately.**White** can adjust brightness of white light.



Figure 22

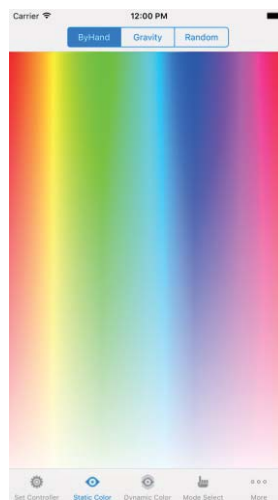


Figure 23

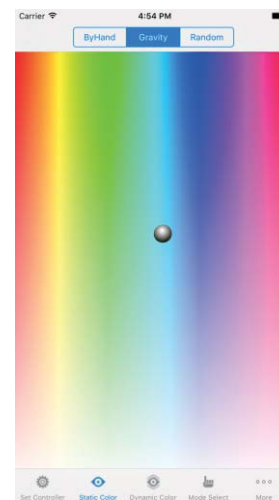


Figure 24



e) Mode 4: When **Effect** choosing single color, the light will make gradual change from dark to bright and bright to dark;When choosing multiple colors, the light will repeat mix gradual change as 1 color of them from dark to bright and another color bright to dark simultaneously,and then go to another color and make the same gradual change. **Brightness** is invalid and **Speed** can adjust speed of gradual change.

f) Speed, Brightness, 、 (the function is the same as above)

Touch **More** to enter figure 15 interface:

Choose **Color Edit** to enter figure 16 interface,(Touch **More** to back to figure 15 interface)in this interface you can choose static color of light by touching the screen or input RGB value directly.



Figure 16

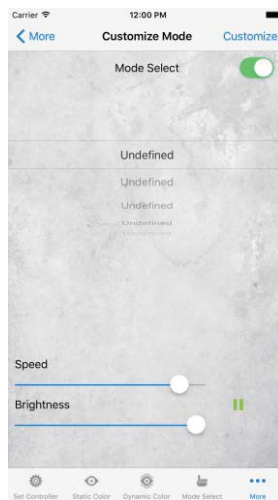




Figure 17



Figure 18

Choose **Customize Mode** to enter figure 17 interface, (Touch **More** to back to figure 15 interface) in this interface you can customize the patterns(50 patterns in total).Touch **Customize** to enter **Mode Edit** (Figure 18).Touch **Mode 1,2,3,4** can choose corresponding pattern. Choose existed color effect under **Color Effect**, press  to delete chosen color effect.Press  to enter figure 19 interface which can choose color which need to be added(can add max.10 colors).

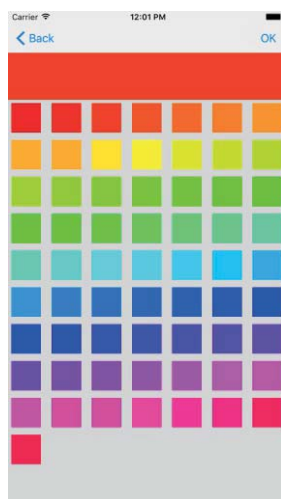


Figure 19

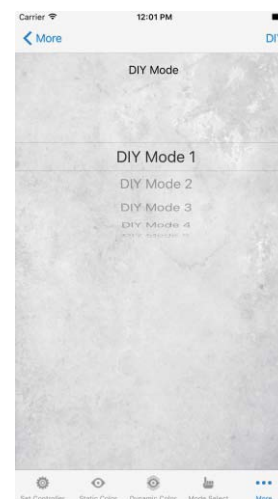


Figure 20

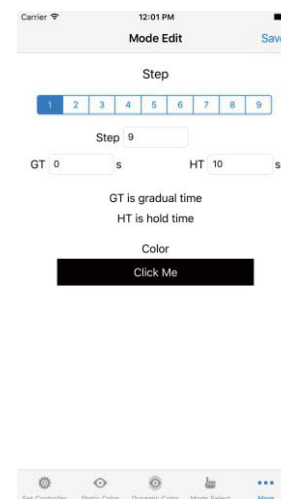


Figure 21



Touch **Dynamic Color** to enter dynamic mode (Figure 26). Use finger to slide from one point to another on the screen, the light will make mix gradual change as the color trace of finger on the screen.



Figure 25

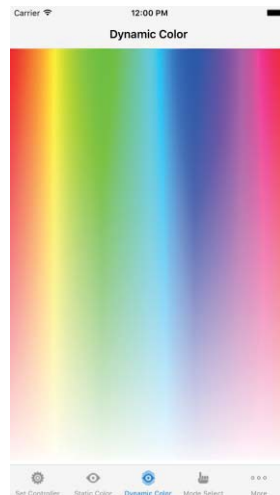


Figure 26

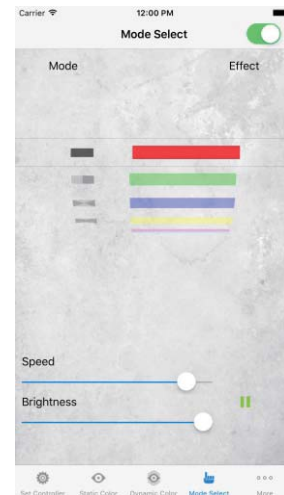


Figure 27

Touch **Mode Select** to enter pattern select mode(Figure 27)

- Choose the pattern below **Mode** (1. Static 2. Jump Change 3. Gradual Change 4. Mix Gradual Change) .Can choose color effect of single or multiple colors below **Effect**.
- Mode 1: When **Effect** choosing single color , the light will show the color that you chose, invalid when choosing multiple colors. **Speed** is invalid under this mode and **Brightness** can adjust brightness of light.
- Mode 2: When **Effect** choosing single color, the light will make jump change from off to on and on to off; When choosing multiple colors,the light will make jump change among different colors.**Speed** can adjust jump change speed and **Brightness** can adjust brightness of light.
- Mode 3: When **Effect** choosing single color, the light will make gradual change from dark to bright and bright to dark; When choosing multiple colors, the light will make gradual change as 1 color of them from dark to bright and bright to dark, and then go to the next color and repeat the same gradual change. **Brightness** is invalid and **Speed** can adjust speed of gradual change.
- Mode 4: When **Effect** choosing single color , the light will make gradual change from dark to bright and bright to dark; When choosing multiple colors, the light will repeat mix gradual change as 1 color of them from dark to bright and another color bright to dark simultaneously, and then go to another color and make the same gradual change.
- Speed**,**Brightness**, , (the function is the same as above)

Touch **More** to enter figure 28 interface:

Choose **Color Edit** to enter figure 29 interface, ( Touch **More** to back to figure 28 interface) in this interface you can choose static color of light by touching the screen or input RGB value directly.

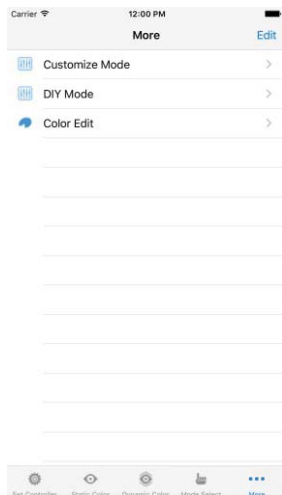


Figure 28

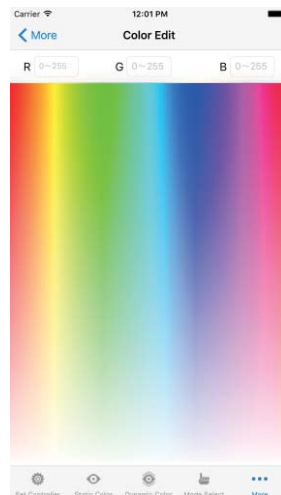


Figure 29

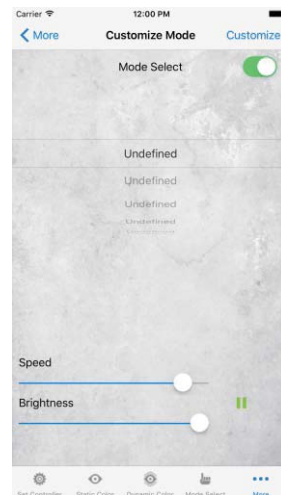


Figure 30

Choose [Customize Mode](#) to enter figure 30 interface, ( Touch [More](#) to back to figure 28 interface) in this interface you can customize the patterns(50 patterns in total). Touch [Customize](#) to enter [Mode Edit](#)(Figure 31). Touch [Mode 1,2,3,4](#) can choose corresponding pattern. Choose existed color effect under [Color Effect](#), press [-](#) to delete chosen color effect. Press [+](#) to enter figure 32 interface which can choose color which need to be added(can add max. 10 colors).



Figure 31

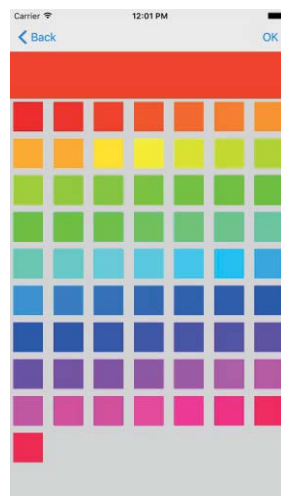


Figure 32

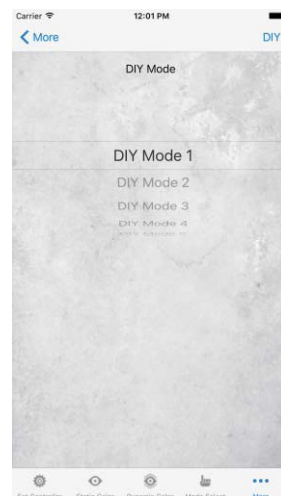


Figure 33

Choose [DIY Mode](#) to enter figure 33 interface, (Touch [More](#) to back to figure 28) In this Interface you can DIY patterns(50 DIY patterns in total): For jump change you can choose color (9 at most)and set time period for each color;For gradual change you can choose color(9 at most)and set time period for each color. Touch [DIY](#) to enter [Mode Edit](#)(Figure 34):

[Step](#)(Input 1-9): Effective step for dynamic change.

[Gradual Time](#):Mix gradual change time for each step.

[Hold Time](#):Jump change time for each step.

[Color](#): Touch [Click Me](#) to enter figure 32 interface to set corresponding color for each pace.Every time when entering [Mode Edit](#), first set [Step](#), like 7, then choose Step No.(1 to 7), set [Gradual Time](#)(or [Hold Time](#)) and color, choose OK after setting a [DIY MODE](#) setting.



Notice:

- 1) Expect color, each setting should be the same and if choose GT or HT, then HT or GT should be 0.
- 2) Step value should be set for every DIY model like 71, if the steps are more than setting value like 8,9, then GT, HT, color, etc of that step setting will be invalid.

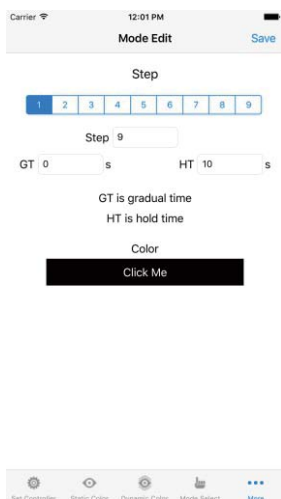


Figure 34



Figure 35

## LED-Controller II Setting (Take RGBW controller as example)

Touch  in the figure 3 interface to enter LED-Controller II Setting (Figure 35) interface.

- A. Router SSID is Router ID when WIFI controller work in STA mode; RouterPWD is Router password.
- B. SelfSSID is the ID No. (length: 1-20 characters) under AP (Wireless Access Point) mode of WIFI controller, you can directly modify the ID No. of controller here after your mobile device successfully connect with WIFI controller.

Please follow the steps as below:

1. Click SelfSSID input box to input ID (eg. Played5)
2. Click install.
3. You can use it after re-connect to the controller.

- C: SelfPWD is the controller password under AP mode (Length of password, 8-20 characters, if less than 8 characters, the password can't be set successfully), you can modify the password here if your mobile device is connecting with controller.

Please follow the steps as below:

1. Click SelfPWD input box (Figure 36) and input password, eg. 12345678
2. Click install.
3. You can use it after re-connect to the controller.



Figure 36



Figure 37



Figure 38

Use APP to group control

A. Connect controller to router via WIFI;

B. After install corresponding control software on device equipment, confirm WI-FI is turned on, choose router access point and connect successfully. Turn on LED-Controller II software, click STA-MODE (as figure1), Connected error display means connection failure (as figure 2). If enter into the interface, means your mobile device is successfully connected to controller(as figure 37).

C. Long press interface , can add name to the device (distinguish from other controller, as figure 38) single click the device can perform single control dimming;

D. Touch Group, single click add new (as figure 39), window popup, and add equipment of the same group, click OK(as figure 40); single click group equipment can perform group equipment dimming, then multiple controllers can be set synchronously; if you want to delete some group equipment, click group icon and long press for one second, and enter into figure 41,click delete, then the group can be deleted.

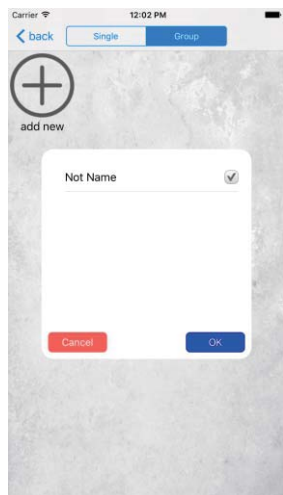


Figure 39



Figure 40

### Operation steps of adding APP lock:

Enter into interface as figure 2, click on the top right corner; enter into figure 42, and click Set to enter into interface 43 to set password, and input 4 digits password to enter into figure 44; input your confirmed 4 digits password, and return to figure 42 after successful setting. When you start the app next time, figure 45 or figure 46 will popup, if figure 45 popup, then input fingerprint; if click cancel or input fingerprint wrongly 3 times, figure 46 will popup; input 4 digits password, if input password wrongly 3 times, APP will exit automatically.

### Operation steps of Removing App lock:

Enter into interface of figure 2, click on the top right corner to enter into figure 42, click clear.



Figure 41

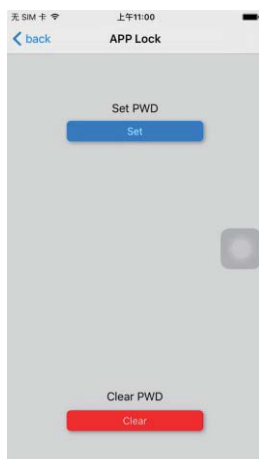


Figure 42

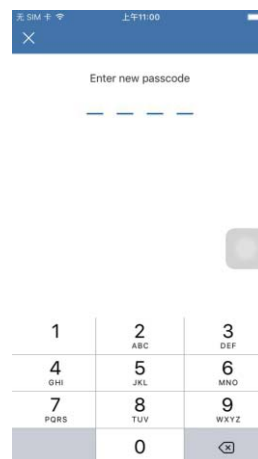


Figure 43

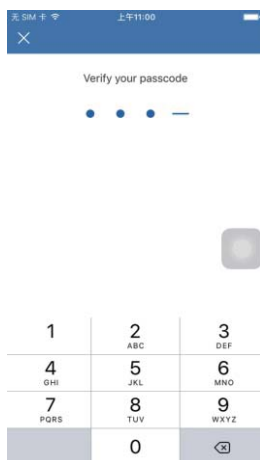


Figure 44

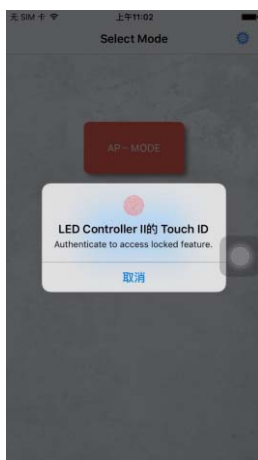


Figure 45

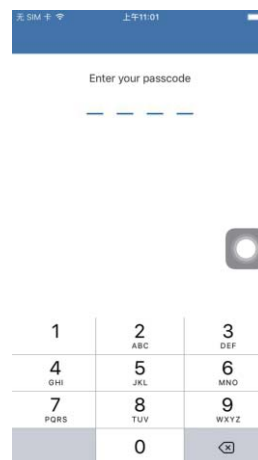


Figure 46

### STA Mode Changing Steps:

1. Make sure your mobile device has connected with controller.
2. Enter figure 1 interface to turn on **AP Mode** switch.
3. Input **Router SSID**, click **install** to confirm(Figure 35).
4. Input **Router PWD** (password), click **install** to confirm(Figure 35).
5. Connect your mobile device with router(here use WIFI router as example).Open LED-Controller II as in figure 2, click **STA-MODE**,then you can use this application to control LED product like AP mode.At STA mode, your mobile device can connect to internet, but at AP mode, your iOS device can only connect to the WIFI controller.



Notice: Please modify the safety setting before using STA mode.

1. Length of router password cannot be more than 20 characters.
2. ID No. Length cannot be more than 20 characters.

### Switch Shift Instruction:

1. The factory set switch is in the middle (AP mode), please use LED-Controller II application set when first switch to STA mode; if use switch set in the first time, the operation is invalid;
2. When you forget password, switch to RESET; after switching, the WIFI parameters of controller with recover to factory setting (that is ID:Play LED5, encryption) .

### RF Mode Instruction:

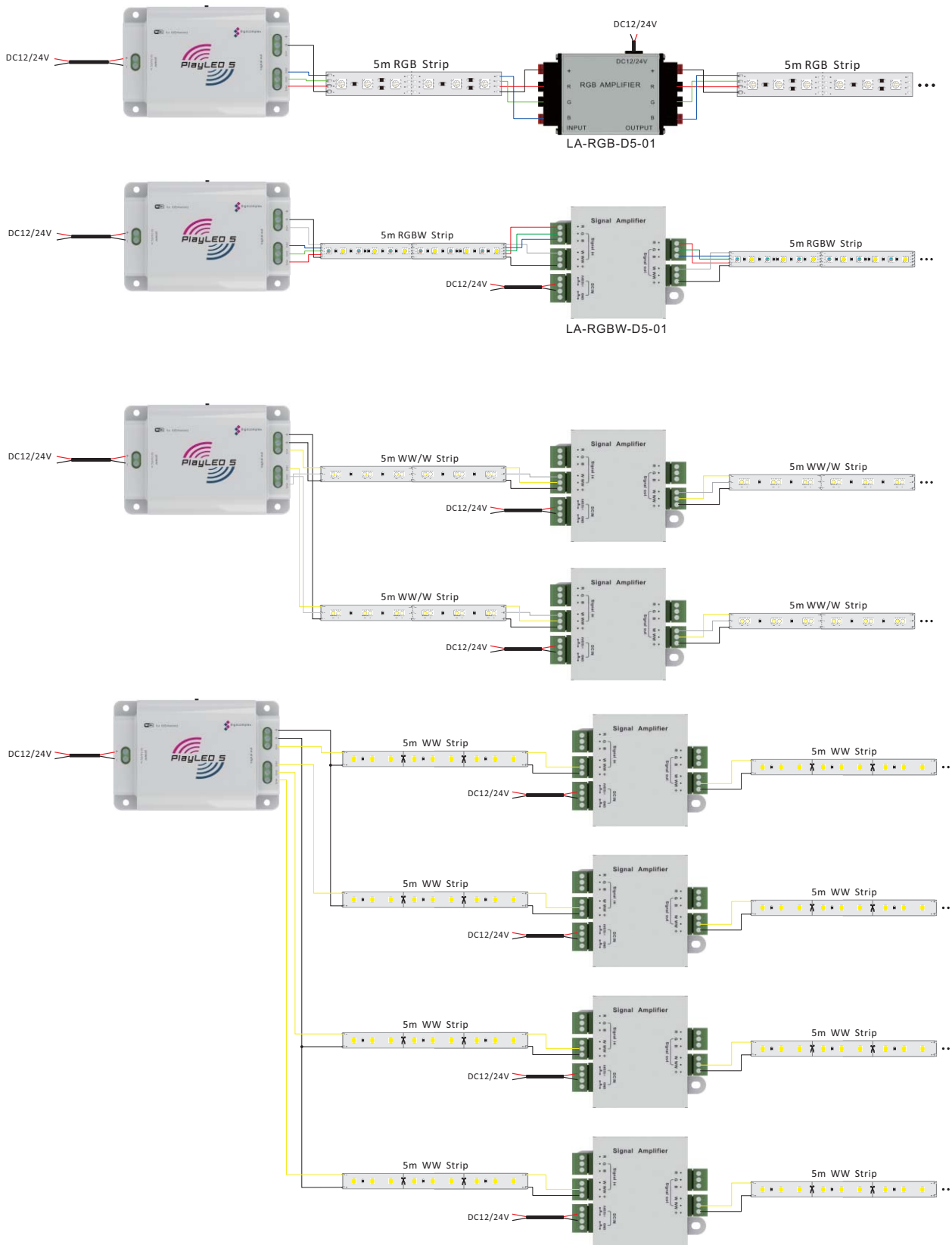
- |   |  |
|---|--|
| 1. Static red   | 20.Green gradual change  |
| 2. Static green   | 21.Blue gradual change   |
| 3. Static blue  | 22.White gradual change  |
| 4. Static white   | 23.Yellow gradual change   |
| 5. Static yellow  | 24.Purple gradual change   |
| 6. Static purple  | 25.Red+white gradual change  |
| 7. Static red+white   | 26.Cyan gradual change   |
| 8. Static cyan  | 27.Green+white gradual change  |
| 9. Static green+white   | 28.Blue+white gradual change   |
| 10.Static blue+white  | 29.White(R+G+B) gradual change   |
| 11.Static white(R+G+B)  | 30.Yellow+white gradual change   |
| 12.Static yellow+white  | 31.Purple+white gradual change   |
| 13.Static purple+white  | 32.Cyan+white gradual change   |
| 14.Static cyan+white  | 33.White(R+G+B)+white gradual change                                     |
| 15.Static white(R+G+B)+white  | 34.Red, green, blue 3 colors gradual change                              |
| 16.Red, green, blue 3 colors jump change                              | 35.Red, green, blue, white 4 colors gradual change                       |
| 17.Red, green, blue, white 4 colors jump change                       | 36.Red, green, blue, yellow, purple, cyan, white 7 colors gradual change |
| 18.Red, green, blue, yellow, purple, cyan, white 7 colors jump change | 37.RGB gradual change  |
| 19.Red gradual change   |  |

### Remote Keys Function:

- 1.Key description
  - (1)POWER, on/off
  - (2)PAUSE, dynamic mode stop change(invalid in static mode)
  - (3)MODE+, mode increase
  - (4)MODE-,mode decrease
  - (5)SPEED+, speed increase (invalid in static mode)
  - (6)SPEED-, speed decrease (invalid in static mode)
  - (7)BRT+, brightness increase (invalid in dynamic mode)
  - (8)BRT-, brightness decrease (invalid in dynamic mode)
2. Remote controller matching steps
  - (1) Disconnect power;
  - (2) Re-power to controller ;
  - (3) Press any key of controller in 5 seconds, and match finish.

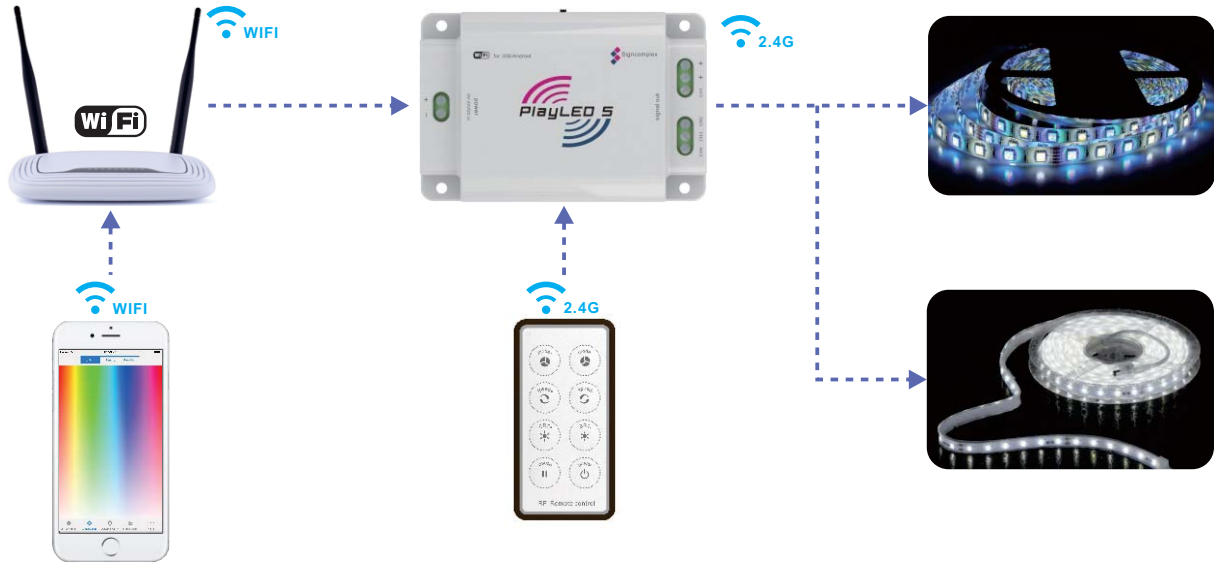


## Wiring Diagram:





## Connection diagram:



## Warnings:

1. Use DC 5-24V as the power supply for the controller, DO NOT use civil high power directly.
2. Output power should not exceed max. value so as not to burnt out the controller.
3. If losing the WIFI signal during using, please follow the the steps as below:
  - a) Exit the software, go to background system to shut down the software.
  - b) Restart the controller, first cut off the power, then turn on the power.
  - c) Enter setting interface, close WIFI network, then reopen it.
  - d) After reconnect to WIFI network, reopen the LED-Controller II software.

## Package list:

- Controller(1 PCS)
- Instructions(1 PCS)
- 8-key remote(1 PCS)