

RGB LED Controller

Features

Used for control 5V-24V RGB LED strip and low voltage LED lights, etc. Automatically adapt to DC 5V-24V input voltage, apply to most normal RGB LED products. Can use Iphone/Ipod/Ipad and Android devices to control the color, brightness, modes of the lights.

1. Apply to above Apple 4.1 and Android 2.2 system.
2. Can download the control software from Apple and Android system for free.
3. Humanized interface design for easy use.
4. 36 predefined modes.
5. 50 customized modes.
6. 50 DIY gradual change modes.



Technical Parameter

Input voltage: 5V-24V

Output channel: RGB 3 channels

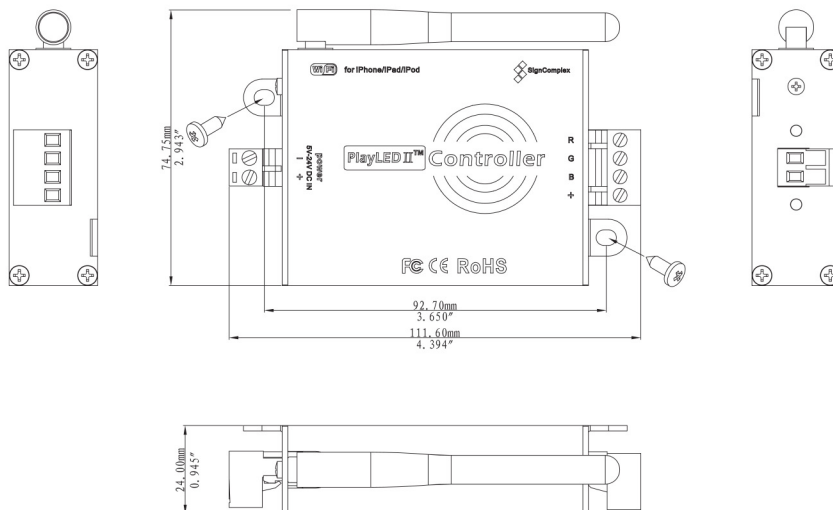
Channel current: 2A/channel, 6A in total

Output power: 30/72/144W


Control distance: >20m

Weight: 49.8g

Dimensions (Unit: mm/inch)



Instructions:

- 1.Connect the controller with the strips.
- 2.After install the control software, make sure the WI-FI network of Apple or Android device is open and choose **PlayLED** access. Open the **PlayLED II** or PlayLED RGB software.If the connection failed, please check the WI-FI connection and restart the controller. If there is not any prompt pops out, it means the connection succeed.
- 3.After connection you will go to figure 1.You can touch  to go to manual wich has the brief description. Touch  to back to figure 1.

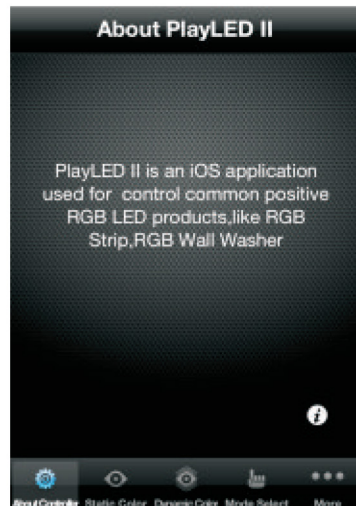


figure 1



figure 2

- 4.Touch **Static Color** to enter static mode: you can use your finger, G-sensor or random choice to choose the color and the RGB LED lights will show the light color immediately.

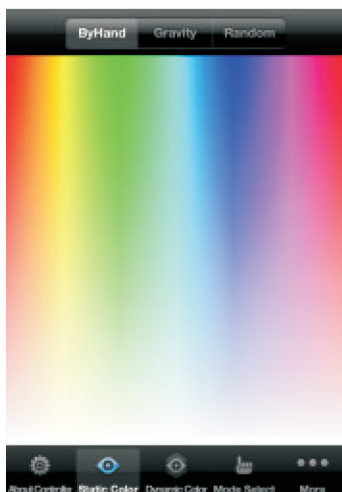


figure 3

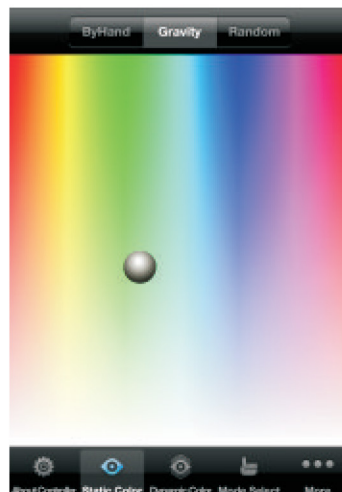


figure 4

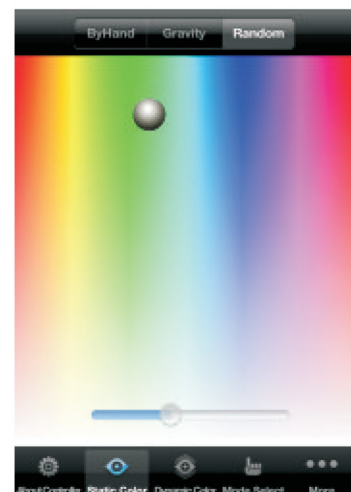


figure 5

5.Touch **Dynamic Color** to go to dynamic mode. Use finger to slash from one point to another on the screen, the light will change the color with mix gradual effect according to the track of your finger on the screen.

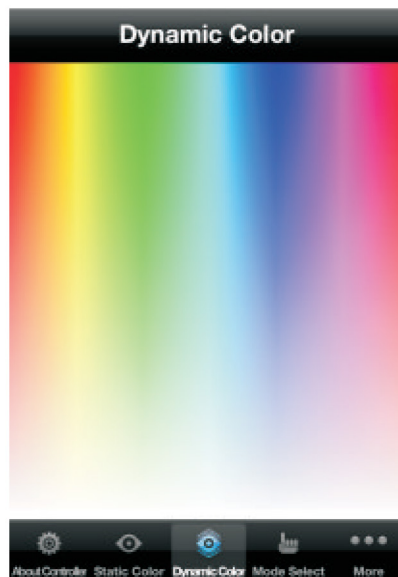






figure 6

6.Touch Mode Select to go to mode select(Figure 7).

A)4 modes can be selected as below:1.:  Static, 2. :  jumping change, 3. :  gradual change between bright and dark, 4. :  Mix gradual change. Under **Effect** you can choose monochrome or multiple colors.

B)Under Mode 1: when you choose monochrome as **Effect**, the light will show the chosen color. When you choose multiple colors, it won't work. The **Speed** doesn't work under this mode, but the **Brightness** can be adjusted.

C)Under Mode 2: when you choose monochrome as **Effect**, the light will show the chosen color and start the jumping change from dark to bright and bright to dark.When you choose multiple colors, the light will start the jumping change among the different color sections. Can use **Brightness** to adjust the brightness of the light under this mode, and the **Speed** can be used to adjusted the jumping change speed.

D)Under Mode 3: when you choose monochrome as **Effect**, the light will show the chosen color and start the gradual change from dark to bright and bright to dark.When you choose multiple colors, the light will show the color of first section and proceed the gradual change from dark to bright and bright to dark, then it will go to the next color section repeat the above process. The **Brightness** doesn't work under this mode, but the **Speed** can be adjusted to control the gradual change speed.

E)Under Mode 4: when you choose monochrome as **Effect**, the light will show the chosen color and start the gradual change from dark to bright and bright to dark.When you choose multiple color, the light will have the mix gradual effect of one color becoming bright to dark while the other colors becoming dark to bright.The **Brightness** doesn't work under this mode, but the **Speed** can be adjusted to control the mix gradual change speed.

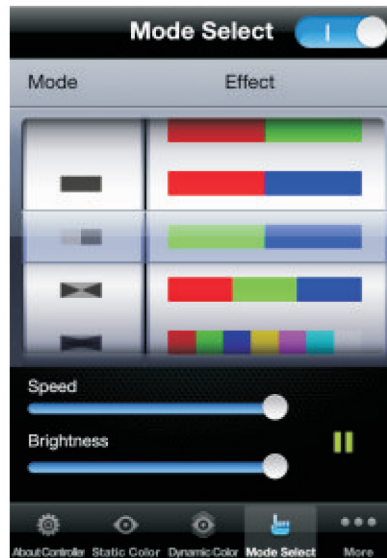


figure 7

7. Touch [More](#) to go to Figure 8.

A) Choose [Color Edit](#) to go to Figure 9. Here you can edit the static color mode of lights. You can choose the color from palette or input the RGB value directly.

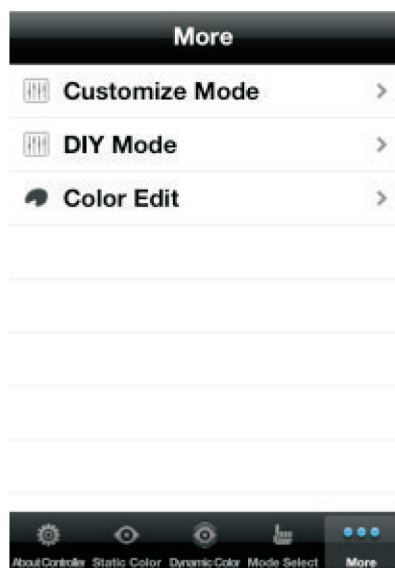


figure 8

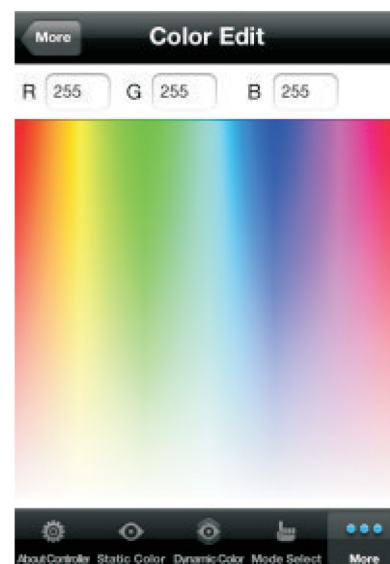


figure 9

B) Choose [Customize Mode](#) to go to Figure 10 where you can customize the changing modes (50 modes in total). Touch [Customize](#) to go to More Edit (Figure 11). Touch Mode number 1, 2, 3 and 4 to choose the relevant mode (see point 6). Under [Color Effect](#), choose the exist color by touching, touch **−** to cancel the chosen color, touch **+** to go to Figure 12 to choose more color (can be added 10 at most).



figure 10



figure 11



figure 12

C) Choose **DIY Mode** to go to Figure 13, here you can DIY the dynamic modes (50 modes in total): can choose jumping change color (9 colors at the most) and period of each color; Can choose gradual change color (9 colors at the most) and the period of each color. Touch **DIY** to go to **Mode Edit** (Figure 14): Edit **Max Step** (can input 1-9) to define the steps under dynamic mode; Edit **Gradual time** to define the mix gradual change time for each step; Edit **Hold Time** to define period of each color under jumping change. Choose **Color** to go to Set RGB Color (Figure 15) to set the corresponding color for each step. Every time when you go to **Mode Edit**, first set the Max Step, for example 7, and then choose the number beneath the **Step** (1 to 7), then set **Gradual Time** (or **Hold Time**) and **Color** for each step. Please be noted that the setting of each step must be the same (except color), also when you set Gradual Time (or Hold Time), then **Hold Time** (or **Gradual Time**) must be 0. After setting choose OK to finish a DIY Mode setting.

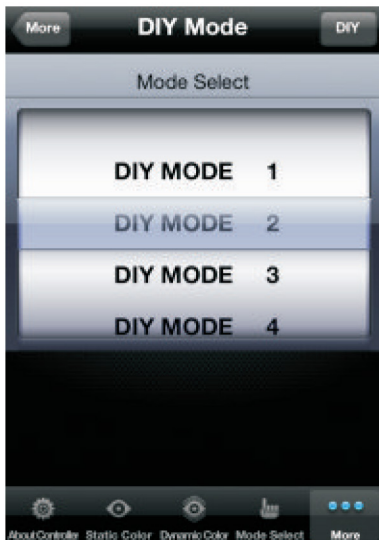


figure 13

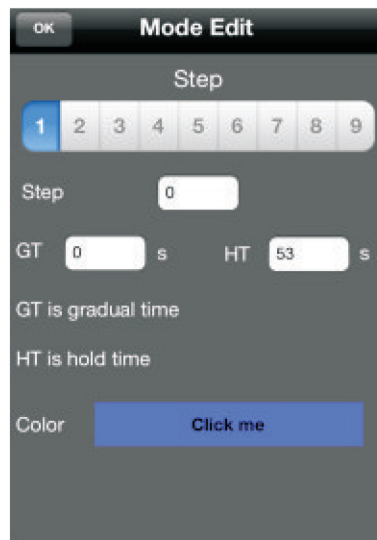


figure 14

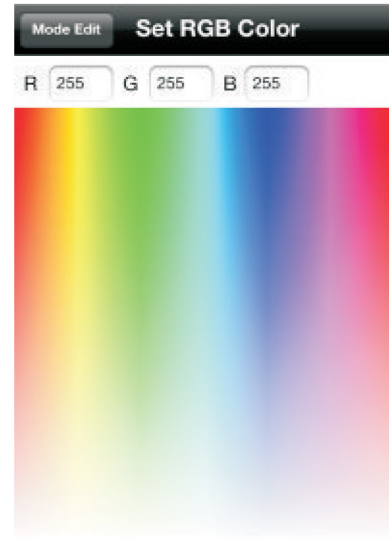


figure 15

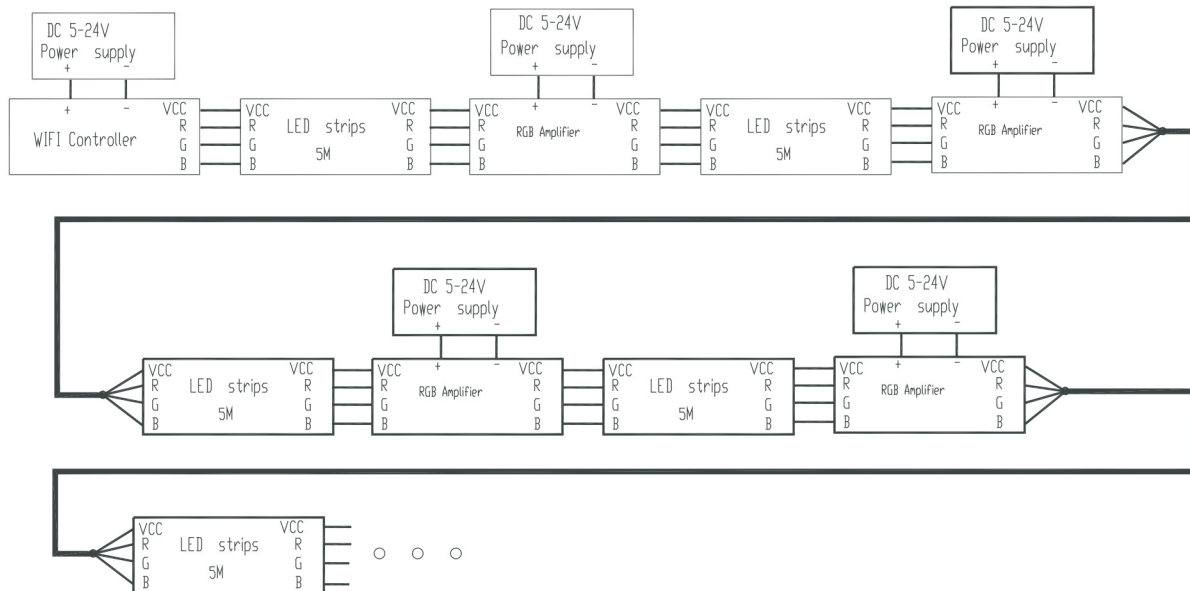
Control multiple controllers

If you need to use one Apple or Android device to control multiple controllers, use laptop to connect WIFI network of controller first, then open IE explorer, input 192.168.2.3 as address, press ENTER button to go to controller WIFI network login interface.

Input the username and password, which both are admin, then click Login to go to network control page. Click WiFiWizard.

Make the different change of the WIFI network for each controller, click [Finish](#), then click [Accept](#), after restart of WIFI module, you can see the new named WIFI in your Apple or Android device.

Wiring diagram



Warnings:

1. Please use DC5V-24V as the power supply for the controller. DO NOT directly use high voltage power.
2. Output power must not be over MAX output power to prevent burning out the controller.
3. If you lose the WIFI signal during using, please process the following steps:
 - A) Quit the software, go to background to close the software.
 - B) Restart controller, cut off the power first then connect the power again.
 - C) Go to settings and close and reopen the WIFI network.
 - D) After re-connect with WIFI network, open PlayLED II control software again.
4. Since PlayLED II use the fixed port to visit controller WIFI network, only one Apple or Android device can be connected with controller, if you cannot connect with controller via WIFI, please confirm whether there is already a device connected with controller.
5. When installing the controller, first cut off the power of controller, connect well the LED light with controller, then connect the controller with power supply.
6. Can only be connected with 5V-24V RGB LED strip and RGB LED lights, otherwise the controller or LED strip would be burnt out.

Package list:

1. Controller
2. Instructions
3. Connection terminals (one for 2 wires connection, one for 4 wires connection)