

Installation Instructions

URGENT: READ PRIOR TO ATTEMPTING INSTALLATION

RGB CONTROLLER & REMOTE

ALWAYS TURN OFF MAIN POWER BEFORE INSTALLATION

| Item# | Description |
|-----------|-------------------------|
| NARGB-860 | RGB RF Controller |
| NARGB-861 | RGB RF Hand Held Remote |

INSTALLATION SHOULD BE CARRIED OUT BY YOUR LOCAL ELECTRICIAN.

IMPORTANT: PLEASE READ BEFORE INSTALLATION:

This equipment is intended to be installed only by qualified personnel. The installation must be made in accordance with the current edition to the National Electric Code and all applicable state and local building codes. The final installation must be approved by the appropriate qualified electrical/building inspector(s). Improper installation may result in a fire or electrical hazard. Be sure the electrical power to the circuit has been disconnected before installing this electrical system.

Instructions for use:

- Antenna:** 2.4G remote control signal receiving antenna.
- Function:** on/off and mode key, hold the button and you can turn on/off the output of controller. Press the button and you can switch the mode.
- Match:** In the process of using controller, if you no longer want to use the remote control, then you can achieve it by clearing code, methods of operation: controller is powered off, press and hold "Match" key, then power on, test it with remote control, if you could not control with the remote control, that means that the operation is successful, otherwise repeat this operation. (Refer to pg. 3)
- DIP:** as shown in Figure 1. It is used for matching four groups of address codes of the controller.
- Power:** the power indicator lights up when connected with external power supply.
- Signal:** RF signal indicator flashes when receiving the correct remote control signal.
- Input/Output Interface:** the controller power supply input and load output port, please refer to Figure 2 and Table 1 for detailed description.



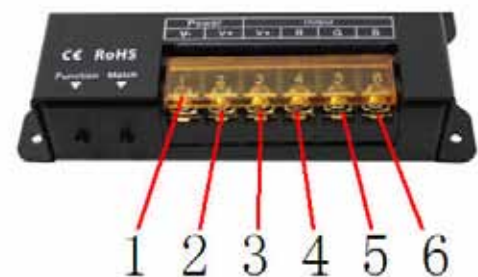
Figure 1



Figure 2

Table 1

| No. | Name | Type | Description |
|-----|------|--------|---------------------------|
| 1 | V- | Input | The negative power supply |
| 2 | V+ | Input | The positive power supply |
| 3 | V+ | Output | Common terminal |
| 4 | R | Output | Red |
| 5 | G | Output | Green |
| 6 | B | Output | Blue |



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Instructions for use:

1. Match the code of remote control:

The controller can be controlled simultaneously by four remote controls, firstly, you need to match the controller with remote controls, firstly, you need to match the controller with remote control. When matching code, you need to use "Match" with "DIP". In the working process of controller, if the first dial is "on"(Figure 3), press the "Match"key, and then press on/off key on remote control, if the indicator "Signal" flashes, that means the address code was matched successfully.

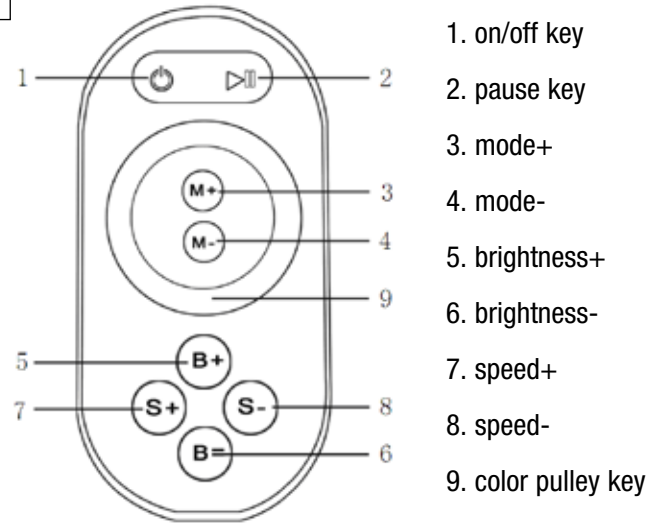


Figure 3



2. Button Description

There are 64 touch keys (points) on the panel of touch remote control, the function of each key is as below:

- (1) **On/Off key:** Turn on/off controller output at any state;
- (2) **Pause key:** Makes the controller stop at the current state.
- (3/4) **Mode-Increase/decrease keys:** To set the mode of M+ key.
- (5) **Brightness-Increase key:** Press to increase the brightness by 1, altogether 25 levels.
- (6) **Brightness-Reduce key:** Press to decrease the brightness by 1, altogether 25 levels.
- (7) **Speed-Increase key:** Press to increase the speed by 1, altogether 100 levels.
- (8) **Speed-Reduce key:** Press to decrease the speed by 1, altogether 100 levels.
- (9) **Color-Wheel:** More than 55 touch points, the button has two function:
 - 1) **Color Wheel Static-Color key:** When the current control mode is M key mode (color), press to set color.
 - 2) **Color whee Switch key:** Press to switch colors.

3. Power Supply Management

When not using the controller for 15-20s, the remote controller will enter the standby state automatically, to extend the battery life. Color ring can not be used at this time. When wish to use the next time, first touch key to turn on the remote control, then the remote will reset to normal working state.

4. The standard change functions of M key standards change model table:

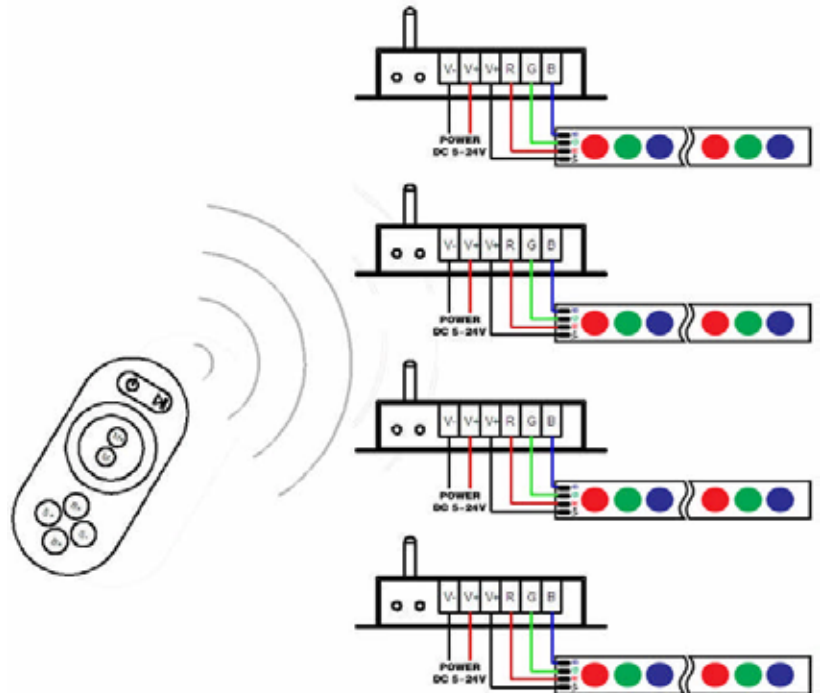
| No | Patterns | Remarks | No | Patterns | Remarks |
|----|------------------------------|---|----|--------------------|--|
| 1 | Static red | Brightness is adjustable, Speed is unadjustable. | 12 | Red stroboflash | Speed and brightness are adjustable |
| 2 | Static green | | 13 | Green stroboflash | |
| 3 | Static blue | | 14 | Blue stroboflash | |
| 4 | Static purple | | 15 | Purple stroboflash | |
| 5 | Static yellow | | 16 | Cyan stroboflash | |
| 6 | Static cyan | | 17 | Yellow stroboflash | |
| 7 | Static white | | 18 | White stroboflash | |
| 8 | Three-color jumpy changing | Speed and brightness are adjustable | 19 | R/B crossfade | Speed is adjustable, brightness is unadjustable |
| 9 | Three-color gradual changing | | 20 | B/G crossfade | |
| 10 | Seven-color jumpy changing | | 21 | G/R crossfade | |
| 11 | Seven-color gradual changing | | 22 | Automatic mode | |

Figure 4

Typical Application:

The controller can achieve synchronous control, that is one remote control can control multiple controllers at the same time.

The series 2.4G controllers can be equipped with four remote controls, easy for user to use. As shown in Figure 4, one remote control can control four controllers at the same time (as long as the controller is in the emission range of remote control, it can be controlled)



Remarks:

1. Connect the load wire at first, following by the power wire; Please ensure short circuit can not occur between connecting wire before you turn on the power.
2. Power supply voltage range is DC5~24V, more than voltage range maybe burn out the controller.
3. When not use touch remote control for long time, we suggest you to take out the batteries.