Hebei I.T. (Shanghai) Co., Ltd.

Part No./型号：RGB Controller-303

User manual

The remote controller is TTTa full color multifunctional RGB led controller based on PWM technology and is dedicated to control entire RGB color changes of LED lights with 4 wires(common anode),such as RGB led strip, led module, led spot lights, led wall-washer, led under water lamp and other led lights. It can be controlled both by remote controller and pressing buttons on the body panel .It has the characteristics of a high receiver sensitivity and excellent anti-interference ability. Meanwhile, its slim and delicate shape enables a no sweat installation and a simple operation.

1．Specifications

Working temperature :-20～60℃
Supply voltage: DC 5～24V
Product size: L210*W40*H30mm
Package size: L295*W45*H35mm
Changing mode: 29 modes   Remote distance: 100m
Color depth: Max.256 level per RGB.
Bright adjust:　8 levels　　Speed adjust:　8 levels
Net weigh: 175g　　　　Gross weight:　205g
Output: Three CMOS drain-open output
Max output current: 8A per channel

2. Features

1)Controlled both by remote controller and pressing buttons on the body panel, reliable control

distance can

reach as far as 100m without restriction of direction and obstacle.
2) Input Voltage range: DC 5～24V
3) 3-channel RGB full color control, max output current 8A per channel.
4) 29 modes of changing, such as static, gradual, jumpy etc., with color depth max 256 levels per RGB.
5) Speed and brightness of each mode is adjustable separately from 1-8 levels.
6) Can rest at current color and color depth.
7) Can restore to default settings by pressing RESET butto

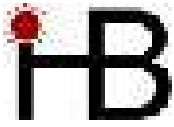## 3．Control Method

Body Panel
Remote control

Controlled both by remote controller and pressing buttons on the body panel, function of each as below:

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Button "**ON/OFF**": Turn on/off the controller.

Button "**PAUSE**": Keep current status, press it again, will continue to change.

Button "**MODE+/M+**": Enter the next mode.

Button "**MODE -/M -**": Return to the previous mode.

Button "**SPEED/S**": Speed up/down color changing. (1~8 levels)

Button "**BRIGHT/B**": Adjust led brightness levels. (1~8 levels)

Button "**RESET**": Restore to default status if press this button over 3 seconds.

3. Pattern table

No.	status	No.	status
1	static red	16	white stroboscopic
2	static green	17	3color gradual changes
3	static blue	18	7color gradual changes
4	static yellow	19	red,green gradual changes
5	static purple	20	green,blue gradual changes
6	static cyan	21	red,blue gradual changes
7	static white	22	red gradual bright&fade
8	3color jumpy changes	23	green gradual bright&fade
9	7color jumpy changes	24	blue gradual bright&fade
10	red stroboscopic	25	yellow gradual bright&fade
11	green stroboscopic	26	purple gradual bright&fade
12	blue stroboscopic	27	cyan gradual bright&fade
13	yellow stroboscopic	28	white gradual bright&fade
14	purple stroboscopic	29	mode cycle
15	cyan stroboscopic		brt,speed(Dynamic) is valid

4. Safety Information

1. Please don't install this controller in lightening, intense magnetic, humid and high-voltage fields.
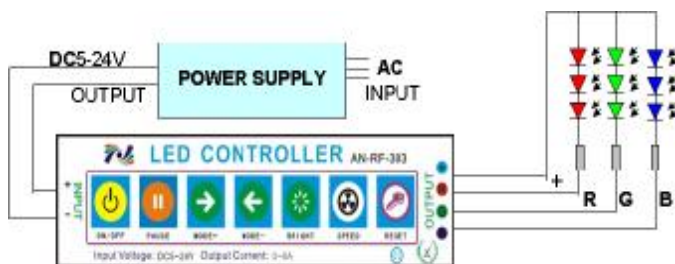
To reduce the risk of component damage and fire caused by short circuit, make sure correct connection and no

2. short circuit before power on.

3. Check if the voltage and power adapter suit the controller and if anode or cathode definition is the same as the controller's.

4. If device has been damaged during transport, don't take any action without contacting your supplier. If being used properly in accordance with the instruction, and quality problems occur, please contact local supplier too, we provide free repair or replacement services.

5. Conjunction Sketch Map

Before installation and use, we strongly recommend you to read through this manual carefully. For update information, please consult with your supplier.

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LED CONTROLLER AN-RF-303

ON/OFF   PAUSE   MODE+   MODE−   BRIGHT   SPEED   RESET

Input Voltage: DC5~24V   Output Current: 0~8A