RC-Lighthouse

www.rclighthouse.com

44 Key IR Remote Control User Manual

Warranty
This warranty excludes :

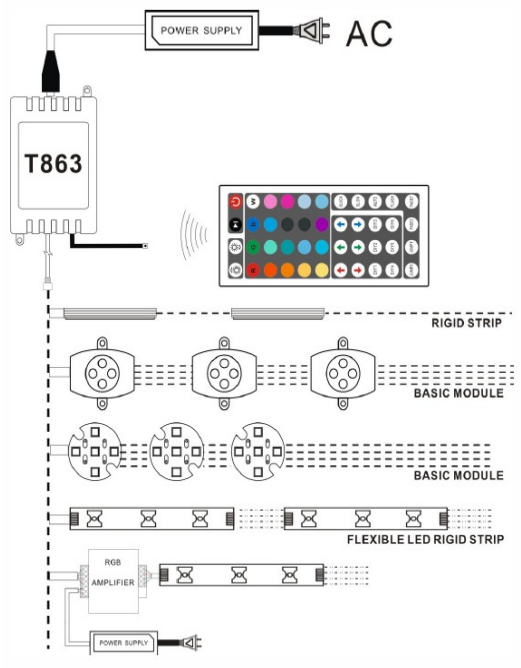
1. Damage caused by misuse, such as not in accordance with the instructions.
2. Damage caused by unauthorized attempts at rectification or modification.
3. Damage caused by negligence or improper maintenance, such as storage at high temperature or in a humid environment.

-**Introduction**
RCL44(RGB) series controller is a RGB LED Controller which uses advanced PWM (Pulse Width Modulation) digital control technology for precise and accurate color management. The controller can be operated using the Infrared wireless remote controller included in your kit. It can operate at 12v or 24v.

Ensure you are using strip which matches the input voltage to the controller.

Connecting your controller
(1).Connect the 12v or 24v power supply into your controller and then connect the 4 pin output cable to your LED Strip or Lamp. **IMPORTANT** – ensure that the > shape marked on the plug connects with the +ve line on the strip. If this is connected the wrong way round then the strip will not work.

Positioning the receiver – as this is an Infrared remote; the receiver should be in line of sight of the remote



Positioning the receiver – as this is an Infrared remote, the receiver should be in line of sight of the remote to operate.

Your remote has 44 keys some of which you can program yourself. When the system is turned off, it will remember the last used setting when it is turned back on.

	Light up(8 levels)		Light down(8 levels)		Pause/run		On/Off
	Static red		Static green		Static blue		Static white
	Static orange		Static light green		Static deep blue		Milk white
	Static deep yellow		Static cyan		Static blue-pulple		Pink white
	Static yellow		Static light blue		Static purple		Green white
	Static light yellow		Static sky blue		Static brown		Blue white
	Increase Red		Increase Green		Increase Blue		Faster
	Reduce Red		Reduce Green		Reduce Blue		Slower
	User defined 1		User defined 2		User defined 3		Auto colour change
	User defined 4		User defined 5		User defined 6		Flash
	3-colour change		7-colour change		3-colour gradual change		7-colour gradual change

Custom Colors:
To program your own colors, press the DIY key you wish to set, and then use the increase and reduce color buttons to create the color you require. When the DIY button is pressed again the current color will be saved ready for use.

5. Failure analysis and solutions (Table 2)

Failure	Analysis	Solutions
No light	1. No power. 2. Reversed the polarity. 3. Wrong connection or poor contact.	1. Check the power 2. Make sure the polarity is right. 3. Re-check the wire connection.
Brightness of LED is not consistent	1. Input wire is too long to cause wire loss. 2. Diameter of wire is too thin to cause wire loss. 3. Power overload. 4. Controller overload.	1. Shorten wire or use loop circuit. 2. Calculate the current, and then replace thick wire. 3. Replace larger power. 4.Add a power amplifier

Tips: The effective power is generally only 80% of the marked power, so it is recommended in selecting the power supply, the user choose a slightly larger one than the LED load power, at least for more than 20%!

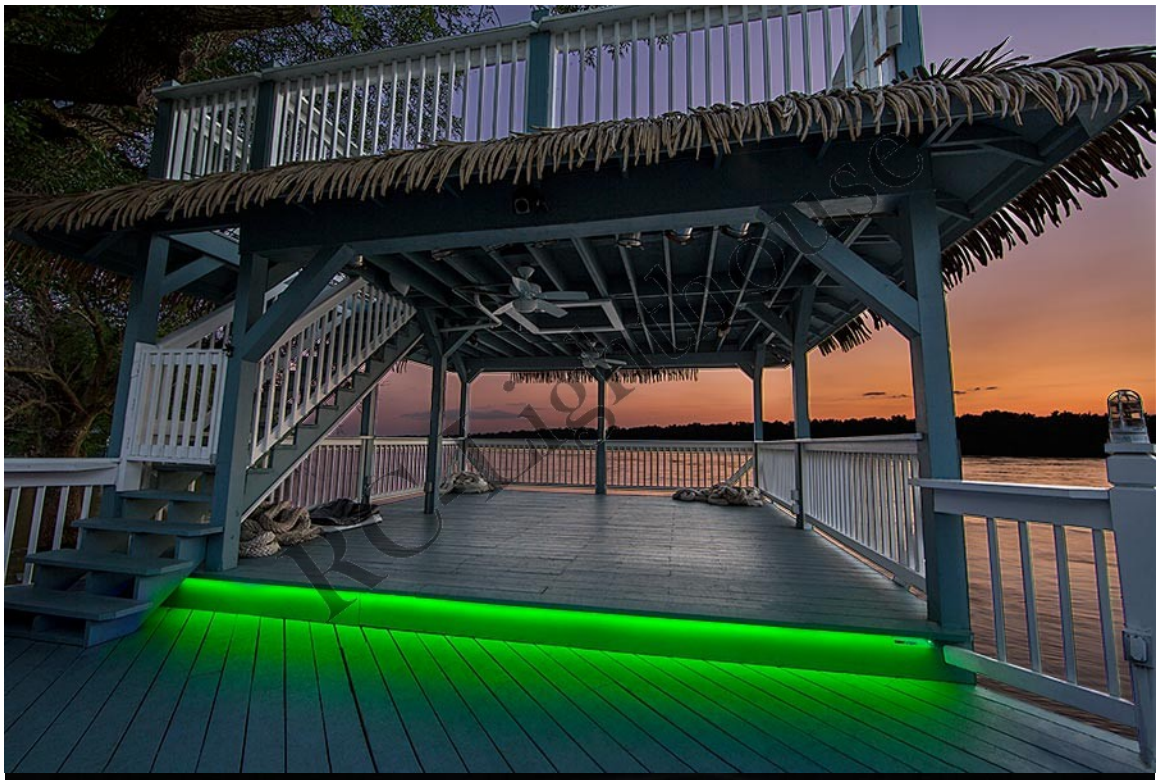
Appendix: dynamic modes' description（Table 3）

Mode	Description
3-color jump change	Three colors jump change: red→green→blue
7-color jump change	Seven colors jump change: red→green→blue→yellow→cyan→purple→white
3-color gradual change	Three colors gradual change: red→green→blue
7-color gradual change	Seven colors gradual change: red→green→blue→yellow→cyan→purple→white

Specifications

Type	T863-(RGB)-i44
Input power	DC12V~24V
Output signal	Three ways RGB
Max load current	2A*3
Output power	108W(12V)/216W(24V)
Controller dimension	L62×W35× H22 (mm)
Remote dimension	L125×W57×7(mm)

Contact us at:
info@rclighthouse.com

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By Coachmen