

# User Manual

Products Name:Wireless RF 20 Keys LED Controller

Model No:FC-L1B-R20Q



## Products Description:

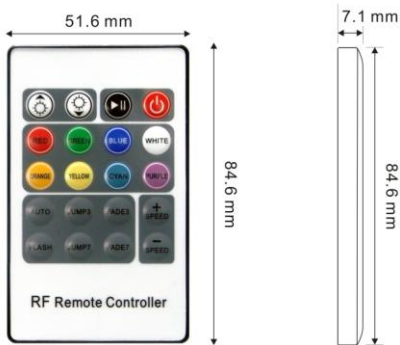
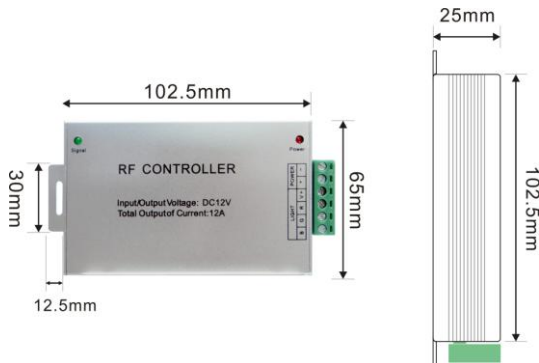
Wireless RF 20 Keys RGB controller adopted the advanced computer control chip. Its mainly used to controlled all kinds of constant voltage led lights, such as: LED source, LED strips, led wall washer, wall Glass curtain lights, etc. It integrated with easy connection, simple manipulation and power off memory function. User can choose color jump, fade, flash mode, and the lights brightness are adjustable according to the user actual requirement.

## Technical Parameters:

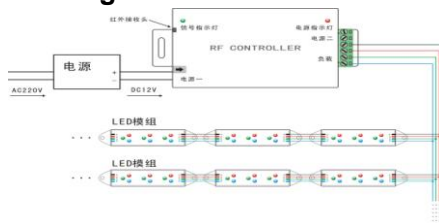
- Working temperature: -20-60℃
- Input voltage: DC12~24V Optional
- Output: 3 circuit
- Connection mode: Common anode or Cathode
- Controller size: L102.5xW65xH30mm

- package size: L135xW80xH54mm
- Net weight: 190g
- Function Model:14models.
- Static power consumption: <1W
- Output current: <4A/ch
- Output power: 12V/4A < 144W; 24V/4A< 288W;











**External Dimension:**



**Connecting Drawing:**



## Key Functions:

RF20 Keys	Key Function	
	On/off	Turn on/off
	Brightness+/-	Press this two keys to increase/decrease the brightness
	Static color mode key	Can be choose the Static model fast by the key
	Speed up/down	press these two keys to increase/decrease the changing speed
	AUTO	Press this key to realize Dynamic mode
	FLASH White color strobe	Press this key to realize 7 color strobe
	JUMP3 Dynamic mode key	Press this key to realize 3 color jump
	JUMP7 Dynamic mode key	Press this key to realize 7 color jump
	FADE3 Dynamic mode key	Press this key to realize 3 color fade mode
	FADE7 Dynamic mode key	FADE7 Dynamic mode key

### Direction for using:

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. Operation: you will receive remote control in front of receiver to ensure that there is no barrier between the remote controller and receiver.

3.The key-press functions are shown in the table as below (in accordance with the key position order):

Brightness +	Brightness -	pause	ON/OFF
Static red	Static green	Static blue	Static white
Static orange	Static yellow	Static Cyan	Static purple
Auto run	Three color jump	Three color fade	Speed +
Flash	Seven color jump	Seven color fade	Speed -

**Common Problem and solution method:**

<b>Problems</b>	<b>Possible cause</b>	<b>Solution</b>
Lamp does not light after power	1.Power cord is not properly connected, or there is not output switching power supply 2.Lamp power cord is not connected or short circuit	1.Connect the power cord properly or replay the power 2.Connected lighting power cord
2. After connecting some of the load the controller does not work	The connected load is too large, so that it has burned in some of the components of the controller	Replace parts of components or replace the controller
3. After connecting to power the controller is working properly , but remote control can not work	1. The blank on the button cell of remote controller did not pulled out 2. the remote controller do not target the receiver	1.Take away the transparent blank 2.Target the remote controller to the receiver

## FCC Warning:

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Caution: Any changes or modifications to this device not explicitly approved by manufacturer could void your authority to operate this equipment.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.