CLAIR LIGHTING LED Fresnel spot 400W RGBALC

Manual

Important note: to use lamps correctly, please read all the terms of this instruction. Please keep the instruction book in case you need it.

1.SAFETY INSTRUCTIONS

This device has left the factory in perfect condition. In order to maintain this condition and to ensure a safe operation, it is absolutely necessary for the user to follow the safety instructions and warning notes written in this user manual.

If the device has been exposed to temperature changes due to environmental changes, do not switch it on immediately. The arising condensation could damage the device.
Leave the device switched off until it has reached room temperature.
This device falls under protection-class I. Therefore it is essential that the device be earthed.
The electric connection must carry out by qualified person. The device shall only be used with rate voltage and frequency.
Make sure that the available voltage is not higher than stated at the end of this manual.
Make sure the power cord is never crimped or damaged by sharp edges. If this would be the case, replacement of the cable must be done by an authorized dealer.
Always disconnect from the mains, when the device is not in use or before cleaning it. Only handle the power cord by the plug. Never pull out the plug by tugging the power cord.
During initial start-up some smoke or smell may arise. This is a normal process and does not necessarily mean that the device is defective, it should decrease gradually.
Please don't project the beam onto combustible substances.
Fixtures cannot be installed on combustible substances, keep more than 50cm distance
with wall for smooth air flow, so there should be no shelter for fans and ventilation for heat radiation.
If the external flexible cable or cord of this luminaire is damaged, it shall be exclusively
replaced by the manufacturer or his service agent or a similar qualified person in order to
avoid a hazard.

2. Packaging

Thank you for using this company's products, please read this instruction manual carefully and carefully and keep it for reference. This specification contains important information about the installation and use of large power LED lights. Please follow these instructions carefully when installing and using. The FRESNEL spot light is made of a high strength of aluminum alloy casing with nice outlook.

The fixture is designed and manufactured strictly following CE&RoHS standards, complying with
international standard DMX512 protocol. It's available independently controlled and linkable with
each other for operation. And it is applicable for large-scale live performances, theater, studio, nightclubs and discos.

The FRESNEL spot light adopts 1PCS 400W COB LED (RGBALC 6 IN ONE) which features high brightness and stability. Please carefully unpack it when you receive the fixture and check whether it is damaged during the transportation. And please check whether the following items are included inside the box:

① FRESNEL spot light   1PC
② DMX cable   1PC
③ POWER cable   1PC
④ POWER OUT   1PC
⑤ User Manual   1PC

3.Product general performance:

Feature：
*1 x 400W COB LED (RGBALC 6 IN ONE)
*50,000 hours life time and low power consumption
*Color Rendering Index(CRI): Ra≥93
*High efficiency fresnel lens
*Soft and even field of light
*Manu and Auto zoom system from 15°-50°
*Aluminum alloy housing
*LCD display, with touch screen, visible bulb temperature
*Barn door included
*Ultra smooth 16-bit dimming
*25T/sec high speed shutter/strobe effect with variable speed
*16/6/9 DMX channels
*DMX512, master /slave, or auto operation
*POWERCON connector IN/OUT,3-Pin XLR connectors IN/OUT
*Low noise fan integrated with copper liquid cooling system
* -10~40°C Max ambient temperature
*IP20 protection rating

Specifications：
*Input Voltage:AC100-240V 50/60Hz
*Max. Power:450W
*Dimensions:340(D)*220(W)*320(H)mm
*Packing Size: 480(D)*350(W)*300(H)mm
*Net Weight: 10.2kg
*Gross Weight: 12.5kg

4.DMX-512 CONTROL CONNECTIONS

Connect the provided XLR cable to the female 3-pin XLR output of your controller and the other side to the male 3-pin XLR input of the moving head. You can chain multiple Moving head together through serial linking. The cable needed should be two core, screened cable with XLR input and output connectors. DMX-512 connection with DMX terminator

For installations where the DMX cable has to run a long distance or is in an electrically noisy environment, such as in a discotheque, it is recommended to use a DMX terminator. This helps in preventing corruption of the digital control signal by electrical noise. The DMX terminator is simply an XLR plug with a 120 Ω resistor connected between pins 2 and 3, which is then plugged into the output XLR socket of the last fixture in the chain.

5. MENU OPERATIONS (operating method)
5.1 Display and key operation part:

Quick Interface	Main Menu Item	Main Menu Item	Third-Level Menu	Option
	DMX	Address	Address	001-512
				Default 001
		Channel	Channel	6CH
				9CH
				16CH
				Default 6CH
		Last state	Last state	Clear
				keep
				Default Clear
		Observation channel	DMX 1-? （）	Depends on the channel mode selected
		2.4G	Mode selection	January 7
		Enabled	Enable selection	2.4G/Wired/ WIFI

	Return	Return	Return
Manul	Dim		000-255
			Default 000
	Red		000-255
			Default 255
	Green		000-255
			Default 255
	Blue		000-255
			Default 255
	Amber		000-255
			Default 255
	Lemon		000-255
			Default 255
	Cyan		000-255
			Default 255
	Focus		000-255
			Default 000
	Return		
Auto	Effect		000-003
			Default 001
	Speed		000-100
			Default 000
	Fosus		000-100
			Default 000
	Return		Return

	CCT	CCT		2000K-12000K
				Default 2000K
		Dim		000%-100%
				Default 000
		Focus		000%-100%
				Default 000
		Return		Return
	Paper	Card		000-041
				Default 000
		Dim		000%-100%
				Default 000
		Focus		000%-100%
				Default 000
		Return		Return
	Screen	Screen saver		Off
				30S
				60S
				Default 60S
In the main menu, press the return key to display the current		Ratate		No
				Yes
				Default No
		Temp unit		°C
				°F
				Default °C
		Lock		Off

			On
			Default Off
	Shortcut menu		Off
			On
			Default On
	Language		Chinese
			English
			Default Chinese
	Return		Return
Set	Dim carve:		Line
			Square
			Inverse square
			S curve
			Default Line
	Dim speed		Slow
			Fast
			Tungsten wire
			Default Fast
	LED frequency		2-25K
			Default 14K
	Dim bit		16BT
			8BT
			Default 16BT
	Fans mode		Long rotation
			Control
			Default Control

		Motor set		Eable
				Disable
				Default Eable
		Restore factory		No
				Yes
				Default No
		Return		Return
Info		Open time：		0:00
	Usage time	This time：		0:00
		Reset：		0
				【Reset Password：0050】
	Temperture ure	Currentte mp：XXX		
		Temp Max：XXX		
	Fan Speed	Fan Speed 1：XXX		
		Fan Speed 2：	not activated	
		xxx		
	RDM	RDM UID		
	Firmware Version:	Firmware Version:		RSL240229GH.V1

	Error log	Motor Reset		Normal/ Abnormal/Not Activated
				Default Normal
	Return			Return

Quick Menu

Function	Hotkey1	Hotkey2	Hotkey3
DMX	--	DMX 1-512	--
Auto	Effect:000-003	Speed:0-100%	zoom:0-100%
RGBW	Dimming:0-255	Zoom0-255	--
PAPER	Color Gel:0-41	Brightness:0-100%	zoom:0-100%
CT	CT2000K-12000K	Brightness:0-100%	zoom:0-100%

5.2. In the DMX interface, hold the 'Confirm' button for 5 seconds to enter the following settings:

Content	Options	Default
Red Current	000-255	235
Green Current	000-255	235
Blue Current	000-255	235
Amber Current	000-255	235
Lemon Current	000-255	235
Cyan Current	000-255	235
Correction strobe	001--255	128
Focus	001--255	128
Focus force	005--010	008
Power-On Reset	On/Off	Off
Temperature Limit	40--80	55

Wireless	Enable/Disable	Disable
Power Limit	050-255	200
Push	Yes/No	No
Return		

5.3 DMX512 16 Channel Description

NO	Function	Channel Value	]Description
CH1	Dimming	000-255	Adjusts all LED colors from dark to bright
CH2	Dimming fine	000-255	
CH3	R Dimming	000-255	R Dimming from dark to bright
CH4	G Dimming	000-255	G Dimming from dark to bright
CH5	B Dimming	000-255	B Dimming from dark to bright
CH6	A Dimming	000-255	A Dimming from dark to bright
CH7	L Dimming	000-255	L Dimming from dark to bright
CH8	C Dimming	000-255	C Dimming from dark to bright
CH9	CT	000-255	2000K-12000K
CH10	Color Gel	000-255	001-255 for 42 evenly distributed color gels

CH11	Gel Saturation	000-255	0 for none, 1-255 to adjust the RGB of the color gel channel to make the color tend towards white
CH12	Built-in Effects	000-255	0-5 for none, 6-55 for strobe, 56-155 for pulse, 156-255 for fade
CH13	Effect/Dimming Speed	000-255	When built-in effects are enabled, it serves as the speed of the built-in effects; when disabled, it serves as the dimming speed
CH14	When built-in effects are enabled, it serves as the speed of the built-in effects; when disabled, it serves as the dimming speed	000-255	0-5 for none, 6-255 for slow to fast (fastest at 31Hz)
CH15	Focus	000-255	Adjusts the focus of the LED beads
CH16	Focus Reset	000-255	0-199 for none, 200-255 to reset (wait for several seconds)

5.4 DMX512 6 Channel Description

NO	Function	Channel Value	Description
CH1	Dimming	000-255	Adjusts all LED colors from dark to bright
CH2	CT	000-255	2000K-12000K
CH3	Color Gel	000-255	001-255 for 42 evenly distributed color gels
CH4	Gel Saturation	000-255	0 for none, 1-255 to adjust the RGB of the color gel channel to make the color tend towards white
Ch5	Dimming Speed	000-255	The larger the value, the slower the dimming
Ch6	Focus	000-255	Adjusts the focus of the LED beads

5.4 DMX512 9 Channel Description

NO	Function	Channel Value	Description
CH1	Dimming	000-255	Adjusts all LED colors from dark to bright
Ch2	Strobe	000-255	0-5 for none, 6-255 for slow to fast (fastest at 31Hz)
CH3	R Dimming	000-255	R Dimming from dark to bright

CH4	G Dimming	000-255	G Dimming from dark to bright
CH5	B Dimming	000-255	B Dimming from dark to bright
CH6	A Dimming	000-255	A Dimming from dark to bright
CH7	L Dimming	000-255	L Dimming from dark to bright
CH8	C Dimming	000-255	C Dimming from dark to bright
Ch9	Focus	000-255	Adjusts the focus of the LED beads

After power-on, turn on the console power supply. When the signal of DMX512 console is not received, the Dmx indicator does not turn on. When the signal of DMX512 console is received, the Dmx indicator lights up, which is controlled by the console signal.

In the address code state, if there is no console after multi-computer connection, the master-slave online function can be realized. One of the devices can be operated. The other devices in the address state run synchronously with the host. When the master-slave online, the DMX512 signal must be cut off.

6.OPERATION & SPECIFICATIONS

·The FRESNEL spot light is an LED fresnel light for on-site decoration purpose.
·Don't turn on the fixture if it's been through severe temperature difference like after transportation because it might damage the light due to the environment changes. So make sure to operate the fixture until it is in normal temperature.
·This light should be keep away from strong shaking during any transportation or movement.
·Don't pull up the light by only the head, or it might cause damages to the mechanical parts.
·Don't expose the fixture in overheat, moisture or environment with too much dust when installing it. And don't lay any power cables on the floor. Or it might cause electronic shock to the people.
·Make sure the installation place is in good safety condition before installing the fixture.
·Make sure to put the safety chain and check whether the screws are screwed properly when installing the fixture.

·Make sure the lens are in good condition. It's recommended to replace the units if there are any damages or severe scratch.
·Make sure the fixture is operated by qualified personnel who knows the fixture before using.
·Keep the original packages if any second shipment is needed.
·Don't try to change the fixtures without any instruction by the manufacturer or the appointed repairing agencies.
·It is not in warranty range if there are any malfunctions from not following the user manual to operate or any illegal operation, like shock short circuit, electronic shock, lamp broke, etc.

7.INSTALLATIONS

For added protection mount the fixtures in areas outside walking paths, seating areas, or in areas were the fixture might be reached by unauthorized personnel.
Before mounting the fixture to any surface, make sure that the installation area can hold a minimum point load of 10 times the device's weight.
Fixture installation must always be secured with a secondary safety attachment, such as an appropriate safety cable.
Never stand directly below the device when mounting, removing, or servicing the fixture.
From a ceiling, or set on a flat level surface . Be sure this fixture is kept at least 0.5m (1.5 ft) away from any flammable materials (decoration etc.).

Please ensure that the led fresnel spotlight is hang using the appropriate "C" clamp. A safety chain or cable should also be used as a secondary point of holding the fixture in case the clamp comes loose. Never hang the fixture without a safety chain or cable. There is an eye-bolt on the back of the fixture to which the safety chain or cable can threaded through and then hung from the secondary point. Make sure the Gel frame (Gel holder) is clipped into position correctly and cannot come loose.
If you are not qualified or have any doubts about hanging the led fresnel spotlight then do NOT hang it.
Do not clamp the safety cable to the U bracket or clamp. That is not a secondary safety point.
A secondary safety point is any point that will adequately hold the led fresnel spotlight if the "C" clamp fails.
Then the safety cable would be the backup and stop the fixture from falling to the ground. So do NOT fix the safety cable to the same place that the "C"clamp is attached

8.Cleaning and maintenance

Turn off the led fresnel spotlight.
Using a small vacuum cleaner, suck the dust and dirt out.
Do not use a can of CO_2. That will just blast the dust and dirt everywhere.
The fans keep the LED cool and keep the electronics cool too.
Without the fan working efficiently and dust free, the fixtures will fail and that will be a lot more costly than having someone vacuum the fixtures on a regular basis.
How often should the fans be cleaned? It depends on where the fixtures are; in a very dusty atmosphere once a week. So
check the fans on a regular basis, they may not need cleaned every week but a quick "visual inspection" should be done.
The front lens should be cleaned so the light output is maintained.
The shutter blades sometimes require cleaning as well.
With the led fresnel spotlight turned off, use only a moist lint-free cloth. Never use alcohol or solvents to clean the fixture.
Never spray anything onto the fixture at the front or in any place on the fixture.