Waterproof RGB Animation Laser Light

User Manual

50W RGB

Please read this manual carefully before use

Introduction

Thank you for purchasing this product. To optimize the performance of this product,prior to use,please read these operating instructions carefully to familiarize yourself with the basic operation of this unit.Please keep the manual in safe price for future reference.

This unit has been tested at our factory before being shipped to you, there is no assembly required.

Once after received this product , please take and put carefully. And check cautiously that whether the product was damaged or not during the transportation.

Checking Parts

Please check if the following parts are included:
1 x Laser light
1 x User manual
1 x Power cable

Caution

CAUTION!

Keep this device away from rain and moisture!

Unplug mains lead before opening the housing!

Warning!

Damages caused by the disregard of this user manual are not subject to warranty. The dealer will not accept liability for any resulting defects or
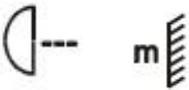

Symbol Instruction On The Device

$C \epsilon$ --CE Certificate

---Only indoor use

--Environmental protection

---The minimum distance from lighted objects(meter)

T_a=--- ° C --Max. Ambient Temp

T_B=--- ° C --Max. Housing Temp

-- Safety caution

---Careful burns

---Careful electric shock

-----Not suitable for directly installed on the surface of ordinary combustible materials

Safety Instructions

1) Please open and check whether break or not for transport once receive this fixture, if yes, not use it and contact dealer or manufacture as soon as possible.
2) The Max applicable temperature for the light is 40°C. Do not use the light under or above the temperature. ta=40℃
3) The fixture is applicable for many occasions,　it should keep clean, and avoid long use in overheating or dusty environment. To prevent the fixture from the chemical liquid .
4) User must be careful of fire, heat, electric and fall-off that make heavy or fatal injury. Please read this user manual carefully before power on and installation, following safety and operation instruction in it. If still have any questions, please contact dealer or manufacture.
5) User must following this user manual, do not open fixture by yourself, if any problems, please contact professional technician, maintenance should by technician.
   Do not power on or start the fixture before installation, please stop after working more than 8 hours, which will longer use life.
6) Fixed installation, do not by strong shocks.
7) The minimum distance between light and the illuminated surface must be more than 1 meter.
8) Never look directly into the light source to avoid hurt to eyes (especially epileptics)!
   When dustproof glass at light output breaks, cracks or other visible damage, user should replace with　new glass to continue to use.

Installation

● When install this equipment please make sure there's no flammable surfaces (decorated things, etc) and minimum distance of 0.5M from the equipment to the flammable.

● The installation of the effect has to be built and constructed in a way that it can hold 10 times the weight and without any harming deformation.
● The installation must always be secured with a secondary safety attachment, e.g. an appropriate safety rope.Never stand directly below the device when mounting, removing or servicing the fixture.

Technical Specifications

Input voltage: AC100-240V, 50/60Hz
Fuse: BGDP ∅5x20mm　　250VAC 6A

Power consumption:500W

Light source: 50W

Control mode: Auto/DMX512/Master-slave/Ilda/RJ45

Channels：16CH

Scanning system: 50Kpps Scanner, ±20º

51 internal patterns for show

Surface temp: Tb=45ºC (this data testing when the environment temp is 30ºC)

Working temp: -10ºC--45ºC

Store temp: 1ºC--40ºC

Modulation: Anglog

N.W: 33Kg

Product size:52.7x51.5x43.2cm

Laser control system

MENU	Sub-menu
0peration Mode	BEYON/QS
	DMX-512
	ArtNET
	sACN
	Autoplay
	Time Code
	Slave Mode
	Test Mode
DMX Settings	Start adress
	Termination auto /on/off
	Profile FB3/FB4
	Timeout 3.0(0-5.0)
Artnet Settings	Universe
	Start Address
	RDM
	Profile FB3/FB4
	Timeout 3.0
Autoplay Setup	Playback none/cue/list
	FileIndex

	End Action
Timecode Setup	TC TypeATC
	File Index
	Offset Hrs
	Offset Min
	0ffset Sec
	Offset mS
	Timeout 5.0
Test Mode	Enable Laser
	TestPattern 1-999
	Brightness 0-100
	Master Size 0-100
Master Settings	Brightness 0-100
	MasterSize 0-100
	X Scale 0~100
	Y Scale 0~100
	Invert X
	Invert Y
	Swap XY
	Rescan Time 500
Geo Correction	XScale
	YScale
	X Position
	YPosition
	ZRotation
	X Shear
	Y Shear
Color settings	Color Shift 0-7
	Red 0~100
	Green 0~100
	Blue 0~100
	Deep Blue 0~100
	Yellow 0~100
	Cyan 0~100
Scan Guard	Enable Guard
	Horizon Level 0-100
	Horizon Angle -45-45
	Min.Velocity 1-300
	Dwell Time 1-300
	Invert Y
	Auto IP

Network Setup	Address 1	
	Address 2	
	Address 3	
	Address 4	
	Mask 1	
	Mask 2	
	Mask 3	
	Mask 4	
	Gateway 1	
	Gateway 2	
	Gateway 3	
	Gateway 4	
FB4 Device info	Serial NO.	
	Firmware.	
	Build NO.	
Exit Menu		
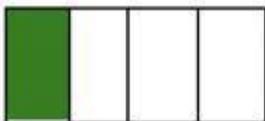
Power and SD status（Green）

Off：fixture without Power In

Flash：fixture without plug SD

On：fixture with plug SD
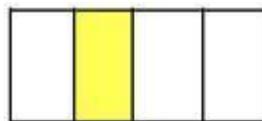
Network status （Yellow）

Off：without found IP

quick flash：searching IP

flash：got IP

On：successed connection QS or advanced
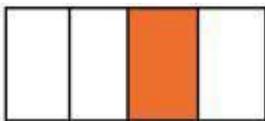
DMX or ArtNET signal status (orange)

off：no found DMX or ArtNET signal

Flash：found DMX or ArtNET signal
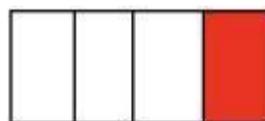
Laser output status (Red)

off：without laser output

slow flash：successed connection QS or advanced, laser output forbidden

fast flash：successed connection QS or advanced, laser output working

Attention：All lamps full on: firmware under updating

All lamps flash:waiting firmware update and SD card without valid firmware

DMX Channel

16CH

Channel		Value	Function
CH1	Channel option	0-32	No function
		33-96	Basic channel:CH2-CH4
		97-160	Standard channel:CH2-CH8
		161-224	Extend channel:CH2-CH12
		225-255	Full channel:CH2-CH16
CH2	Show page	0-17	Page 1
		18-32	Page 2
		33-48	Page 3
		49-64	Page 4
		65-80	Page 5
		81-96	Page 6
		97-112	Page 7
		113-128	Page 8
		129-255	Page 9
CH3	Show option	0-32	No function
		33-255	Show 1-48
CH4	Play speed	0-16	Normal
		17-32	Stop
		33-255	Speed from slow to fast
CH5	Brightness	0-255	0-100%
CH6	Pattern size	0-255	0-100%
CH7	X flip	0-255	100%-0-100%
CH8	Y flip	0-255	100%-0-100%
CH9	Pattern rotation	0-255	0-360° option
CH10	Pan location	0-255	From left to right
CH11	Tilt location	0-255	From up to down
CH12	visible	0-255	0-100% visible
CH13	Scan speed	0-31	default
		33-223	6k-29k
		225-255	30k
CH14	Show play	0-32	default
		33-96	stop
		97-160	Single cycle

		161-223	Sequence play
		225-255	Stop play
CH15	color	0-32	default
		33-223	Red-Yellow-Green-Cyan-Blue-Purple-Red
		224-255	color
CH16	hold	0-255	Hold (no function)

DMX Address setting

Each fixture must set a specific starting address. When receiving signal transmission, fixture will receive channel control signals which from the starting address.

According to different requirements or easy to use, the user can set many value fixtures to the same address, also can set up a separate address for every device.

If you set the same address,all the devices will receive from DMX channels signal. All connecting fixtures are jointly controlled, controller can't separate control a device.

If you set a different address, each device will be separate from its particular set the starting address and begin accepting DMX512 control signal, so that more convenient separate control one device. Using this method must be based on channel quantity of device to determine a starting address.

This laser light has 16channels.you should set the starting address of the first unit to 1, the second unit to 17(1 + 16), the third unit to 33 (16*2+ 1), and so on.

Ringing
  1 Mounting bracket
  2 Handle
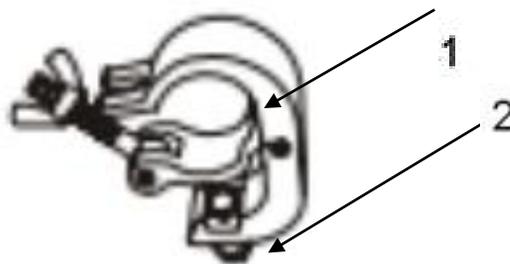
A).The ambient temperature range is 1°C--45°C, must never be exceeded.
B).The installation of the projector has to be built and constructed in a way that it can hold 10 times the weight for 1 hour without any harming deformation.
C).When rigging or servicing the fixture staying in the area below the installation place, on bridges,under high working places and other endangered areas is forbidden.
D).The operator has to make sure that safety-relating   and machine-technical installations are approved by an expert before taking into operation for the first time and after changes before taking into operation another time.
E).The operator   has to make sure that safety-relating   and machine-technical installations   are approved by a skilled person once a year.

F). Sure M8 screws on mounting bracket fixed middle hole ¢12.5mm of handle

product size
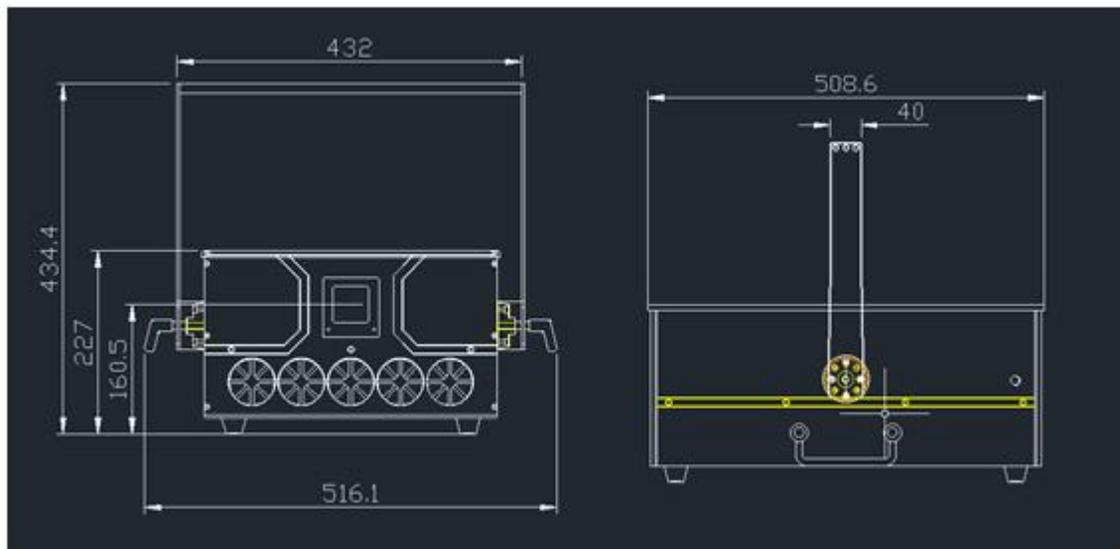
Cleaning and maintenance

Maintenance should be performed every 15-day period, by using a sponge which is dipped with alcohol, rather than wet cloth or other chemical liquid, to clean the mirror.
Always disconnect from the mains when the device is not in use or before cleaning it.

	Caution
	Make sure power off before cleaning and maintenance!

Warning

	Warning!
	Never look directly into the light source,as sensitive persons may suffer an epileptic shock(especially meant for epileptics)!

	Warning!
	Any power connected must by professional person

Warranty Card

This product is made of high-brightness transistor. We will provide 1 year warranty under the condition that user has operated the light normally and lifetime service. We won't provide warranty if the damage is caused by artificial or force majeure event. Cost of fittings should be charged by user if product need maintenance after 1 year .Please cut this warranty card and shipped it along with the product to our factory when applying for warranty.

Product：	
Purchasing date：	
Code of invoice：	
Warranty date: From	**To**
User's name：	**Add：**
Company：	**Tel：**