Eternal Lighting

Lighting Makes All The Difference

ULTRA170 RGBW

LED Ellipsoidal, 170W, Quadcolor RGBW 4-in-1

User Manual

**FOR YOUR OWN SAFETY, PLEASE READ THIS USER MANUAL CAREFULLY
BEFORE YOU INITIAL START-UP!**

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INTRODUCTION

Thank you for having chosen a led profile color spot 170 You will see you have acquired a powerful and versatile device.

Unpack your led profile color spot170

Delivery includes

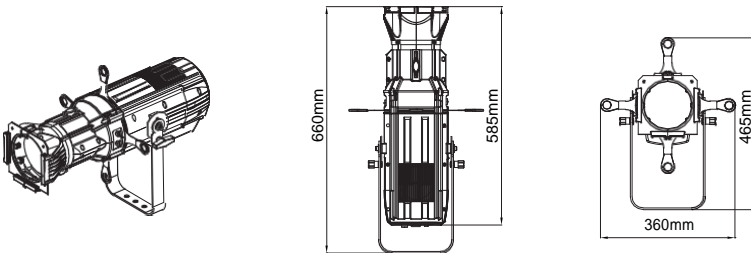|	
Gobo frame	1PC
color frame	1PC
DMX CABLE	1PC
Power wire	1PC

DESCRIPTION OF THE DEVICE.

1. Profile

With the idea of enegy saving and enviroment protection, the device use lower power loss and extremely high efficiency led. The device housing cover is made of used the new high strength heat resistance engineering plastics, with beautiful shape and smooth lines. The designing and manufacturing is in compliance with the IEC standard. The device is suitable in the large-scale theatrical performance, the theater, the performance hall, the bar, night club and so on.

The product conforms to the international standard DMX512 agreement completely, the device can be controlled in single, and also be controlled in many units.
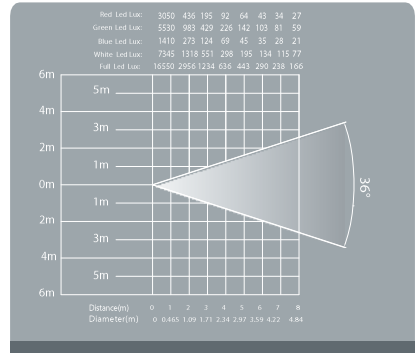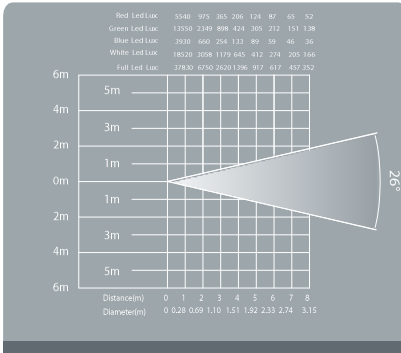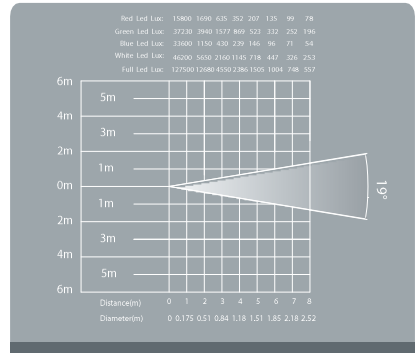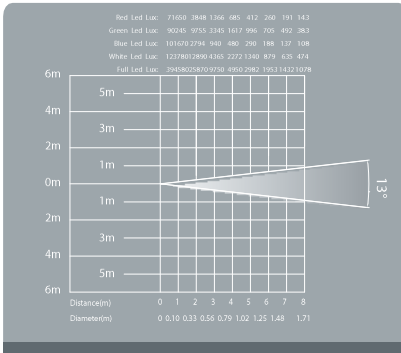
2. Overview

3. SPECIFICATION

- Lamp: 4colors in 1 led ,170W
- Power Supply: AC100V-240V,50HZ/60HZ
- Power consumption: 200W
- 9 dmx control channels
- color temperature can be adjusted, from 3000K to 7000K

● Fan speed automatic detection system
● Small volume, lightweight
● High quality optical system
● Different lens available (13º/19º/26º/36º)
● N.W.: 6.35kgs,

4. Photographic chart

13°

Red Led Lux:	71650	3848	1366	685	412	260	191	143
Green Led Lux:	90245	9755	3345	1617	996	705	492	383
Blue Led Lux:	101670	2794	940	480	290	188	137	108
White Led Lux:	123780	12890	4365	2272	1340	879	635	474
Full Led Lux:	294580	25870	9750	4950	2982	1953	1432	1078
Distance(m)	0	1	2	3	4	5	6	7	8
Diameter(m)	0	0.10	0.33	0.56	0.79	1.02	1.25	1.48	1.71

19°

Red Led Lux:	15800	1690	635	252	207	135	99	78
Green Led Lux:	37230	3940	1377	869	523	332	252	196
Blue Led Lux:	33600	1150	430	239	146	96	71	54
White Led Lux:	46200	5650	2160	1145	718	447	326	253
Full Led Lux:	127500	12680	4350	2386	1305	1004	748	557
Distance(m)	0	1	2	3	4	5	6	7	8
Diameter(m)	0	0.175	0.51	0.84	1.18	1.51	1.85	2.18	2.52

26°

Red Led Lux:	5540	975	365	206	124	87	63	52
Green Led Lux:	13550	2349	898	424	305	212	151	138
Blue Led Lux:	3930	660	254	133	89	59	46	36
White Led Lux:	18520	3058	1179	645	412	274	205	166
Full Led Lux:	37830	6750	2620	1396	917	617	457	352
Distance(m)	0	1	2	3	4	5	6	7	8
Diameter(m)	0	0.28	0.69	1.10	1.51	1.92	2.33	2.74	3.15

36°

Red Led Lux:	3050	436	195	92	64	43	34	27
Green Led Lux:	5530	983	429	226	142	103	81	59
Blue Led Lux:	1410	273	124	69	45	35	28	21
White Led Lux:	7345	1318	551	298	195	134	115	77
Full Led Lux:	16550	2956	1234	635	443	290	238	166
Distance(m)	0	1	2	3	4	5	6	7	8
Diameter(m)	0	0.465	1.09	1.71	2.34	2.97	3.59	4.22	4.84

5. Safety warning

① warning :

● Every person involved with the installation, operation and maintenance of this device has to be qualified
● User must follow the instructions of this manual
● Unqulified person can not open the housing cover and operate the device, or the dealer will not accept liability for any resulting defects or problems.
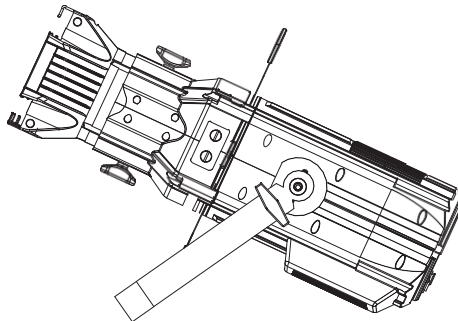● The device against rain and moisture

② Warning notes :

● Power supply: AC100V-240V/50HZ-60HZ

● Make sure the power switch is off, the power plug, outlet and the earth conection is in well condiction before connecting the device with the mains.

● Please use qualified power plug and outlet. Never connect the power cord of this device with other electrical equipment.

● During move and installation, make sure the device not crashed with metal parts and other tough materials.

● Always disconnect from the mains, when the device is on installation and dismantled

● The minimum distance between light-output and the illuminated surface must be more than 50cm.

● The device must only be installed on a non-flammable surface. In order to safeguard sufficient ventilation, leave 50 cm of free space around the device. Please note that heat -sensitive objects may be deformed or damaged by the emitted heat.

● During the operation the housing becomes very hot! Do not operate the device for 15 minutes after switching off.

● The maximum ambient temperature Ta = 45°C must never be exceeded. The maximum housing temperature Tb = 60°C must never be exceeded.

● For indoors use.

● Replace any visible cracked protective shield, filters and lens.

● The protective shield, filters and lens will require weekly cleaning as smoke¨Cfluid tends to building up esidues, reducing the light¨Coutput very quickly.
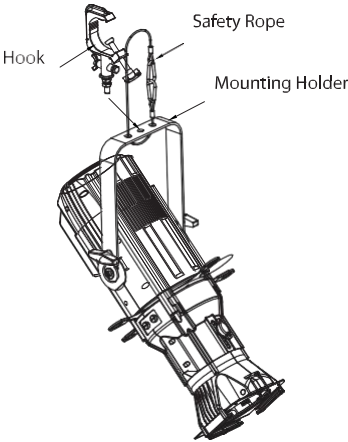
INSTALLATION

1. Installation

● When installation, keep the device far away the heat sensitive objects and explosives sensitive objects, leave at least 50CM of free space around the device.

● When the device put on horizontal place, the device must be placed directly on the place, and devices must be secured with a mounting holder.

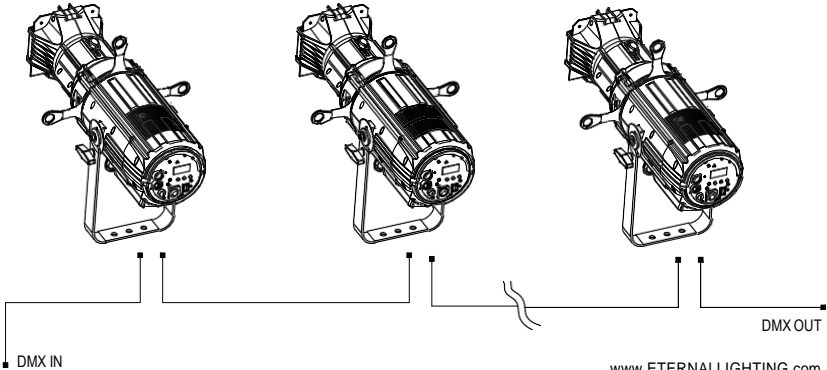● When rigging the devices on the truss and the head face to the floor,

Insert the quick-lock fasteners of the first mounting holder into the respective holes on the bottom of the device. Tighten the quick-lock fasteners fully clockwise. Install the second mounting holder. And the safety rope must be used at same time.

● Please use qualified safety-rope, which can hold at least 10 times the weight of the fixture. You must only use safety-ropes with quick links with screw cap. Pull the safety-rope through the hole on the bottom of the base and over the trussing system etc. Insert the end in the quick link and tighten the fixation screw. A safety rope which already hold the strain of a crash or which is defective must not be used again.

2. Dmx512 connection
● Please use xlr-xlr wires connect the dmx output of the controller with the dmx input of the first device, and connect the dmx output of the first device with the dmx input of the second device, always connect one output with the input of the next device until all devices are connected.
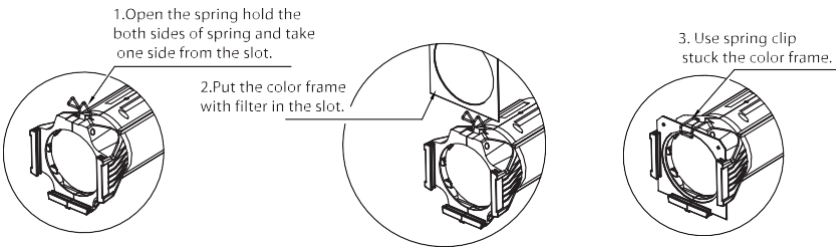

DMX OUT

DMX IN

● Please use qualified xlr-xlr dmx cables.

3.Connection with mains

● The person involved with the power connection must be qualified, and has the electrical engineering certificate.

● Connect the device to the mains with the power plug.

● The earth has to be connected.

● Power consumption 200W, input power supply AC100V-240V, 50/60Hz.
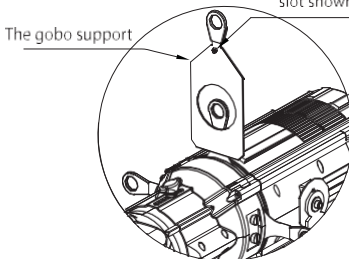
4. The use of gobo frame

● Take out the gobo frame , loose the screws, insert the gobos and lock the screws again

● Insert the gobo in the slot.

1.Open the spring hold the both sides of spring and take one side from the slot.

2.Put the color frame with filter in the slot.

3. Use spring clip stuck the color frame.

5. The use of gobo frame

● Take out the gobo frame , loose the screws, insert the gobos and lock the screws again
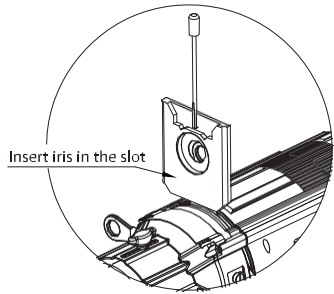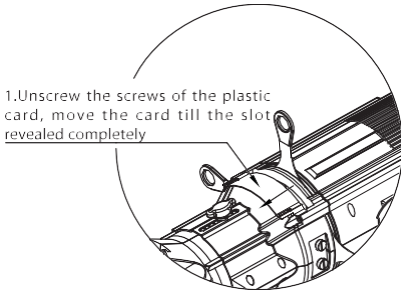
● Insert the gobo in the slot.

When you exchange the gobo,please insert it after unscrew the screw of the gobo,then tighten the screw again.Put the gobo in the slot shown in the picture.

The gobo support

B- Size 86MM Outer Size 50MM Max Image

6. Use iris

Iris is not included when the projector leave factory, user can purchase the iris if needed. Loose the screws and insert the iris.

1.Unscrew the screws of the plastic card, move the card till the slot revealed completely

Insert iris in the slot

7. Replacing fuse

● Before replacing the fuse, unplug mains lead.
● Procedure:

Step 1: Unscrew the fuseholder on the rearpanel with a fitting screwdriver from the housing (anti-clockwise).

Step 2: Remove the old fuse from the fuseholder.
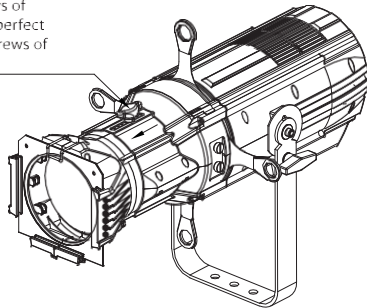
Step 3: Install the new fuse in the fuseholder.

Step 4: Replace the fuseholder in the housing and fix it.

8. Focus

● The objective lens cylinder is usually shrinked before leaving factory, after connect the projector to the mains, user may loose the screws and pull out the lens cylinder, till the white light output circular is clearly presented, locking tightly the two screws again.

● When the projection distance is changed, user can follow previous operating steps, and focus the projectort.
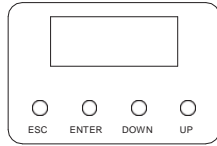
Unscrew the two screws of the lens,move lens in perfect position,tighten the screws of the lens again.
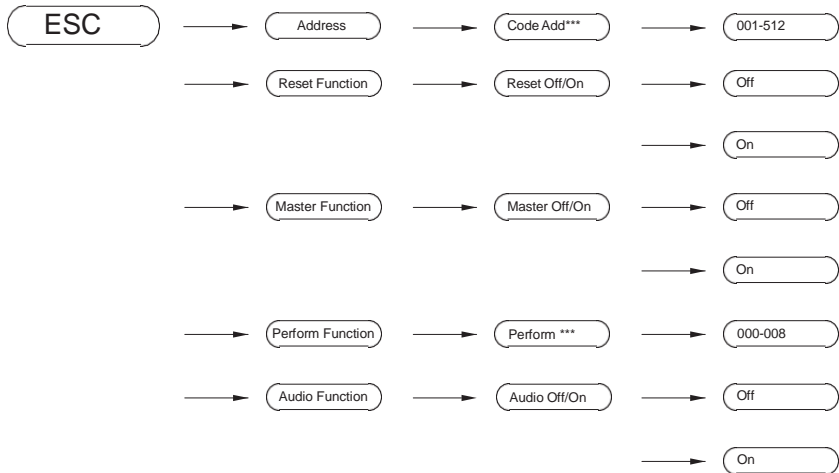
OPERATION

1. Description of the keys
● ESC;
● ENTER;
● DOWN;
● UP.

2. Menu

3. Basic setting.

The products address code settings are: [Address 001], when the boot show [Address 001].

● Press [ENTER] key to enter the [Code Add 001], then press the [DOWN] / [UP] key to set the desired address code value [001-512];

● Press [ESC] key to return, and then press [UP] key to [Rest Function], press [ENTER] to enter, usually, the menu is always set to [Rest Off], if necessary [Rest], press [UP] key once;

● Press [ESC] key to return, according to the [UP] key to [Master Function], then press the [ENTER] key to enter the [Master On / Off], by [UP] / [DOWN] button to complete the [Master On] or [Master Off] setting;

● Press [ESC] key to return, then press the [UP] key to [Perform Function], press [ENTER] key to enter the [Perform 000-008], by [UP] / [DOWN] keys to select the stored mode;

● Press [ESC] key to return, then press the [UP] key to [Audio Function], press [ENTER] key to enter [Audio On / Off], by [UP] / [DOWN] keys to set [Audio On] or [Audio Off];

● Press [ESC] key to return, then [UP] key to return to the start menu, that is show [Address 001-512];

4.Dmx protocol

CHANNEL	CHANNEL DESCRIPTION	NUMERIC	EFFECT
1	RED	000--255	LINEAR ADJUSTMENT (0-100%)
2	GREEN	000--255	LINEAR ADJUSTMENT (0-100%)
3	BLUE	000--255	LINEAR ADJUSTMENT (0-100%)
4	WHITE	000--255	LINEAR ADJUSTMENT (0-100%)
5	COLOR TEMPERATURE	000	BRIGHTEST LIGHT ,NO COLOR TEMPERATURE
		001--255	LINEAR ADJUSTMENT FROM 7000K TO3000K
		000	OPEN
6	STROBE	001--127	STROBE SPEED FROM FAST TO SLOW
		128--159	CLOSING PLUSE IN SEQUENCES
		160--191	OPENING PLUSE IN SEQUENCES
		192--255	RANDOM STROBE SPEED FROM FAST TO SLOW
7	DIMMER INTENSITY	000--255	DIMMER INTENSITY(0-100%)
8	RAINBOW	000--255	RAINBOW EFFECT
9	DEMO	000--255	DEMO

APPENDIX
Problem and solution

Problem	Reason	Resolution
Device not work	No power	AC100V-240V,50HZ/60HZ Check the power connection, and make sure device connect the mains in well condition. Check if switch is on Check if the fuse is good
Led bulb is off	led bulb damaged	Replacing led bulb
	Led driver board damaged	Replacing led driver board
	temperature swtich damaged	Replacing temperature switch
Fans not work	Fans damaged	replacing fans

Caution:
● Unqualified person involved with installation, operation and maintenance of this device is prohibited.
● If any above mentioned problem happened, or unknown problem happened, please contact manufatory or distributor for assistance.