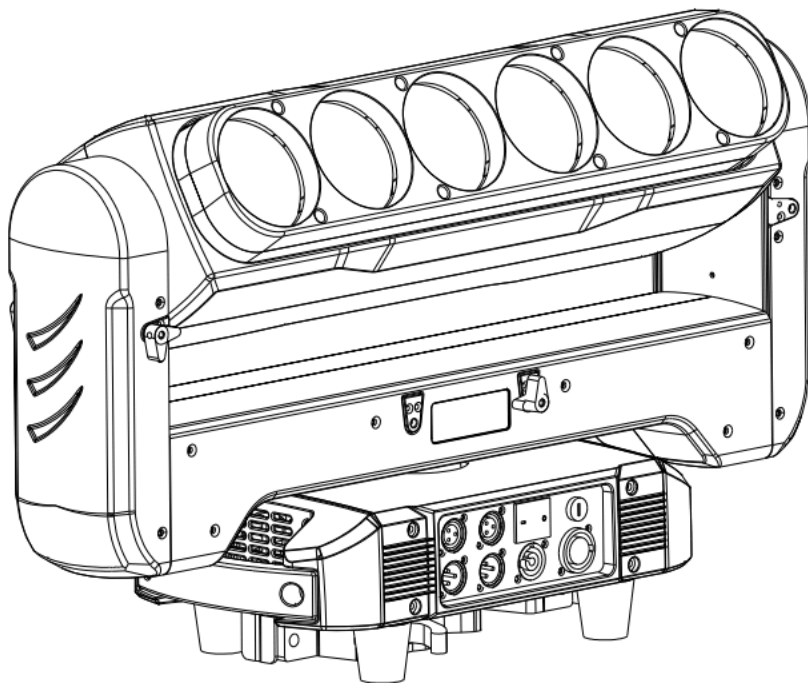


---

## 6\*60w Pixels Zoom bar moving head



## User manual

Please read the instructions carefully before use

# TABLE OF CONTENTS

1. Safety Instructions .....	3 - 4
2. Technical Specifications.....	5
3. How To Control The Unit.....	6-8
4. DMX Channel List.....	..9-21
5. Shape.....	21
6.Trouble shooting.....	22

## statement

The product has well capability and intact packing when leave factory. All of the user should comply with warning item and manual, any misuse cause of the damages are not included in our guarantee, and also can not be responsible for any malfunction & problem owing to ignore the manual.

# 1. Safety Instructions

Please keep this User Guide for future consultation. If you sell the unit to another user, be sure that they also receive this instruction booklet.

Unpack and check carefully there is no transportation damage before using the unit.

Before operating, ensure that the voltage and frequency of power supply match the power requirements of the unit.

It's important to ground the yellow/green conductor to earth in order to avoid electric shock.

The unit is for indoor use only. Use only in a dry location.

The unit must be installed in a location with adequate ventilation, at least 50cm from adjacent surfaces. Be sure that no ventilation slots are blocked.

Disconnect main power before replacement or servicing.

Make sure there are no flammable materials close to the unit while operating as it is fire hazard.

Use safety cable when fixes this unit. DO NOT handle the unit by taking its head only, but always by taking its base.

Maximum ambient temperature is  $T_a: 40^{\circ}\text{C}$ . DO NOT operate it where the temperature is higher than this Unit surface temperature may reach up to  $85^{\circ}\text{C}$ . Do not touch the housing bare-hand during its operation. Turn off the power and allow about 15 minutes for the unit to cool down before replacing or serving.

the event of serious operating problem, stop using the unit immediately. Never try to repair the unit by yourself. Repairs carried out by unskilled people can lead to damage or malfunction. Please contact the nearest authorized technical assistance center. Always use the same type spare parts.

⚠ Do not touch any wire during operation as high voltage might be causing electric shock.

### **Warning:**

⚠ To prevent or reduce the risk of electrical shock or fire, do not expose the unit to rain or moisture.

⚠ DO NOT open the unit within five minutes after switching off.

⚠ The housing, the lenses, or the ultraviolet filter must be replaced if they are visibly damaged.

### **Caution:**

There are no user serviceable parts inside the unit. DO NOT open the housing or attempt any repairs yourself. In the unlikely event your unit may require service, please contact your nearest dealer.

### **Installation:**

The unit should be mounted via its screw holes on the bracket. Always ensure that the unit is firmly fixed to avoid vibration and slipping while operating.

And make sure that the structure to which you are attaching the unit is secure and is able to support a weight of 10 times of the unit's weight. Also always use a safety cable that can hold 12 times of the weight of the unit when installing the fixture.

The equipment must be fixed by professionals. And it must be fixed at a place where is out of the touch of people.

## 2. Technical Specifications

**Light Sources:** 6\*60W 4IN1 RGBW LED

Beam Angle:3.5°- 45°

Power Consumption: 380w

Power Voltage: AC 100-240V, 50/60Hz

### Control

DMX Channel:25/45 Channels

Control Modes: DMX512/master-Slave/Auto Run/Music

### Pan/Tilt

Pan / Tilt : Infinite Rotation

Pan/Tilt Resolution: 8/16 bit

### Construction

Display:180° reversible TFT Display

Data In/Out socket: 3-pin & 5-pin XLR sockets

Power Socket: Powercon in

Dimension:640\*210\*400 mm

Net Weight:17.5 kg

Flight case packing (1 in 1): 720x640x600mm

Carton packing(1 in 1):735x505x300mm

Protection Rating: IP20

### Features

Dimmer:0~100% smooth dimming ;two dimmer model in optional( delay or without delay)

Led single controlled

Strong beam effects with high brightness

Led temperature protection & Fan run speed automatic based on the head temperature.

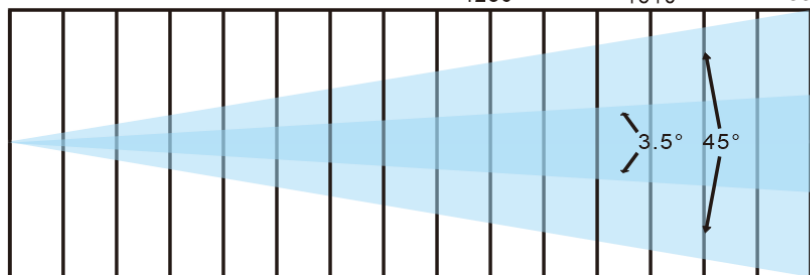
### 3.LUX Data

Min Zoom range =3.5°

R lux	23300	6620	3470	2020
G lux	58300	17400	8680	5260
B lux	10600	3160	1560	933
W lux	74500	22900	11900	7040
4in1 lux	151000	47300	24000	14300

Max Zoom range =45°

R lux	3980	600	204	92
G lux	9870	1530	607	254
B lux	1920	307	111	49
W lux	13500	2090	796	350
4in1 lux	27500	4250	1610	695



Distance (m)

1

3

5

8

Spot diameter (m) 3.5°

0.52

0.76

0.95

1.2

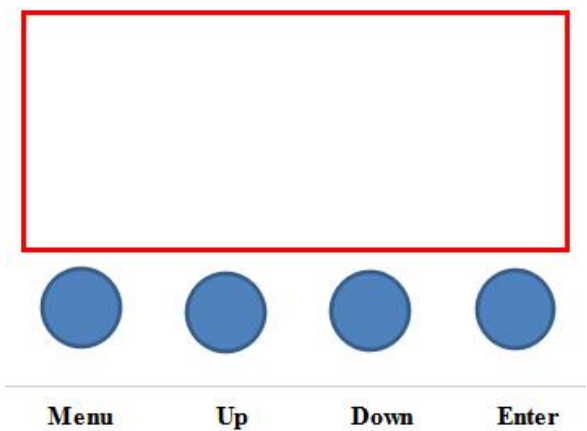
Spot diameter (m) 45°

1.27

2.65

4.20

# 4. Display & Menu



## Display:

- MENU To select the programming functions
- DOWN To go backward in the selected functions
- UP To go forward in the selected functions
- ENTER To confirm the selected functions

## Set DMX Address Code

- 1 Press **"Menu"** to "Set DMX Address",and press**"ENTER"** keys to enter into
- 2 Show "Set DMX Address DMX Address:**001**",Press the **"UP and DOWN"** keys to amended
- 3 Press **"ENTER"**keys to save and Exit,Press the**"MENU"**Keys does not save and Exit

Menu	Pan Degree	540 degree	360 degree
	Mic Sense	001 - 100,Sound sensitivity adjustment	
	Language	English	Chinese

	Reset	Yes	No
	Default	Yes	No
	Adjust	Pass Word:****	
		Pan	0 - 255
		Tilt	0 - 255
		Focus	0 - 255
		Red	0 - 255
		Green	0 - 255
		Blue	0 - 255
White	0 - 255		
Address	Setting from 001 - 512		
Reverse	Forward or reversed setting	Pan	1.Yes
			2.No
		Tilt	1.Yes
			2.No
		Display	1.Yes
			2.No
Channel		45 channels	45 channel mode
		25 channels	25 channel mode
Inform	1.CH Value		Each channel value
	2.Temp /°C		Temperature of led board
	3.Soft V.XXX		Show the version number
Mode		DMX 512	
		AUTO	
		SOUND	



Manual	Master	Pan:0--255	Manual control
		Tilt:0--255	
		Focus:0--255	
		Red: 0--255	
	Alone	Green: 0--255	
		Blue: 0--255	
		White: 0--255	
		Strobe: 0-255	

## 5.DMX Channel List

### Model 1 - CH45

Channel	Display	Function	Value
CH-1	Pan adjustment	Pan adjustment	0 --- 255
CH-2	Pan fine	Pan fine adjustment	0 --- 255
CH-3	Tilt adjustment	Tilt adjustment	0 --- 255
CH-4	Tilt fine	Tilt fine adjustment	0 --- 255
CH-5	Pan/Til speed	from fast to slow	0 --- 255
		No function	0 --- 55
		Clockwise from slow to fast	56 --- 155

CH-6	Pan infinite rotation	Anticlockwise from slow to fast	156---255
CH-7	Tilt infinite rotation	No function	0 --- 55
		Clockwise from slow to fast	56 --- 155
		Anticlockwise from slow to fast	156---255
CH-8	Strobe	No function	0 --- 15
		from slow to fast	16 --- 214
		Random stroboscopic	215---255
CH-9	Dimming	From dark to bright	0 --- 255
CH-10	Dimming Model	Model - 1	0 --- 49
		Model - 2	50 --- 99
		Model - 3	100--- 149
		Model - 4	150--- 255
CH-11	Focus	from near to far	0 --- 255
CH-12	Red - 1		0 --- 255
CH-13	Green - 1		
CH-14	Blue - 1		
CH-15	White - 1		

CH-16	Red - 2	From dark to bright	0 --- 255
CH-17	Green - 2		
CH-18	Blue - 2		
CH-19	White - 2		
CH-20	Red - 3		0 --- 255
CH-21	Green - 3		
CH-22	Blue - 3		
CH-23	White - 3		0 --- 255
CH-24	Red - 4	From dark to bright	0 --- 255
CH-25	Green - 4		
CH-26	Blue - 4		
CH-27	White - 4		
CH-28	Red - 5		0 --- 255
CH-29	Green - 5		
CH-30	Blue - 5		
CH-31	White - 5		
CH-32	Red - 6		0 --- 255
CH-33	Green - 6		
CH-34	Blue - 6		

CH-35	White - 6		
CH-36	Static color	No function	0---15
		R 100%,G up,B0%	16---35
		R down,G 100%,B0%	36---55
		R 0%,G 100%,B up	56---75
		R 0%,G100%,B up	76---95
		R up,G0%,B100%	96---115
		R 100%,G0%,B down	116---135
		R 100%,G up,B up	136---155
		R100%,G down,B100%	156---175
		R100%,G 100%,B100%,W100%	176---195
		2800K	196---200
		3200K	201---205
CH-36	Static color	3500K	206---210
		4000K	211---215
		4500K	216---220
		5000K	221---225
		5500K	226---230

		6000K	231----235
		6500K	236----240
		7000K	241----245
		7500K	246----250
		8000K	251----255
CH-37	Effects	No function	0 --- 9
		11 numbers 1 effect	10 --- 99
		Jump	100 --- 149
		gradual change	150 --- 255
CH-38	Patterns	No Effect	0 --- 9
		Static Pattern -1	10 ---19
		Static Pattern -2	20 --- 29
		Static Pattern -3	30 --- 39
		Static Pattern -4	40 --- 49
		Static Pattern -5	50 --- 59
		Static Pattern -6	60 --- 69
		Static Pattern -7	70 --- 79
		Static Pattern -8	80 --- 89
		Static Pattern -9	90 --- 99

CH-38	Patterns	Static Pattern -10	100 --- 109
		Static Pattern -11	110 --- 119
		Static Pattern -12	120 --- 129
		Static Pattern -13	130 --- 139
		Static Pattern -14	140 --- 149
		Static Pattern -15	150 --- 159
		Static Pattern -16	160 --- 169
		Dynamic Pattern -1	170 --- 179
		Dynamic Pattern -2	180 --- 189
		Dynamic Pattern -3	190 --- 199
		Dynamic Pattern -4	200 --- 209
		Dynamic Pattern -5	210 --- 219
		Dynamic Pattern -6	220 --- 229
		Dynamic Pattern-7	230 --- 239
		Dynamic Pattern -8	240 --- 255
CH-39	Pattern change speed		0 --- 255
CH-40	Pattern change fade		0 --- 255
CH-41	Color of pattern Red		

CH-42	Color of Pattern Green	From dark to bright	0 --- 255
CH-43	Color of Pattern Blue		
CH-44	Color of Pattern White		
CH-45	Reset	No function	0 --- 79
		Reset	80 --- 99
		No function	100 --- 255

## Model 2 - CH25

Channel	Display	Function	Value
CH-1	Pan adjustment	Pan adjustment	0 --- 255
CH-2	Pan fine	Pan fineadjustment	0 --- 255
CH-3	Tilt adjustment	Tilt adjustment	0 --- 255
CH-4	Tilt fine	Tilt fine adjustment	0 --- 255

CH-5	Pan/Tilt speed	from fast to slow	0 --- 255
CH-6	Pan infinite rotation	No function	0 --- 55
		Clockwise from slow to fast	56 --- 155
		Anticlockwise from slow to fast	156---255
CH-7	Tilt infinite rotation	No function	0 --- 55
		Clockwise from slow to fast	56 --- 155
		Anticlockwise from slow to fast	156---255
CH-8	Strobe	No function	0 --- 15
		from slow to fast	16 --- 214
		Random stroboscopic	215---255
CH-9	Dimming	From dark to bright	0 --- 255



CH-10	Dimming Model	Model - 1	0 --- 49
		Model - 2	50 --- 99
		Model - 3	100--- 149
		Model - 4	150--- 255
CH-11	Focus	from near to far	0 --- 255
CH-12	Red	From dark to bright	0 --- 255
CH-13	Green		
CH-14	Blue		
CH-15	White		
		No function	0---15
		R 100%,G up,B0%	16---35
		R down,G 100%,B0%	36---55
		R 0%,G 100%,B up	56---75
		R 0%,G100%,B up	76---95

CH-16	Static color	R up,G0%,B100%	96----115
		R 100%,G0%,B down	116----135
		R 100%,G up,B up	136----155
		R100%,G down,B100%	156----175
		R100%,G 100%,B100%,W100%	176----195
CH-16	Static color	2800K	196----200
		3200K	201----205
		3500K	206----210
		4000K	211----215
		4500K	216----220
		5000K	221----225
		5500K	226----230
		6000K	231----235

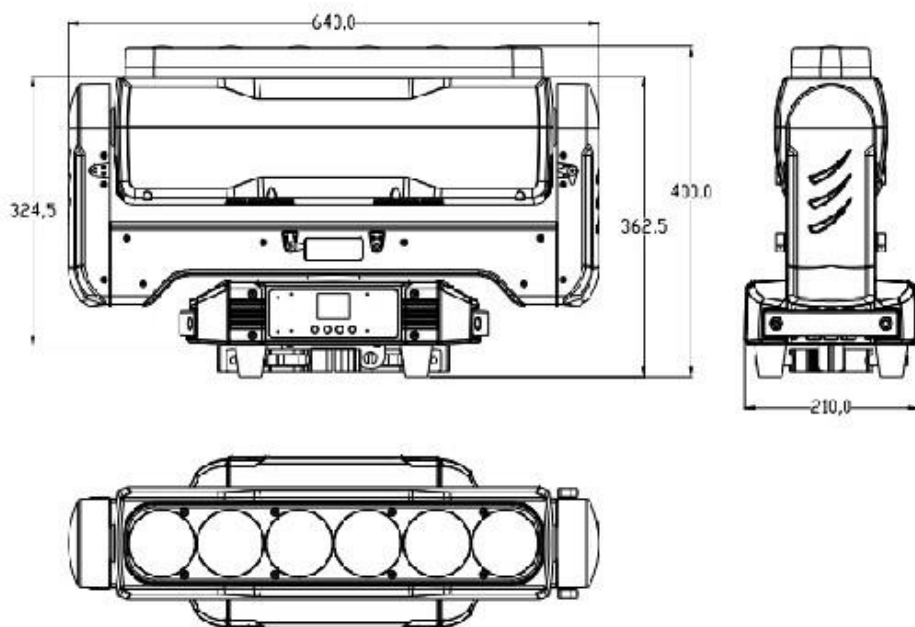
		6500K	236----240
		7000K	241----245
		7500K	246----250
		8000K	251----255
CH-17	Effects	No	0 ---- 9
		11 numbers 1 effect	10 --- 99
		Jump	100 --- 149
		gradual change	150 --- 255
		No Effect	0 --- 9
		Static Pattern -1	10 --- 19
		Static Pattern -2	20 --- 29
		Static Pattern -3	30 --- 39
		Static Pattern -4	40 --- 49
		Static Pattern -5	50 --- 59

CH-18	Pattern	Static Pattern -6	60 --- 69
		Static Pattern -7	70 --- 79
		Static Pattern -8	80 --- 89
		Static Pattern -9	90 --- 99
		Static Pattern -10	100 --- 109
		Static Pattern -11	110 --- 119
		Static Pattern -12	120 --- 129
		Static Pattern -13	130 --- 139
		Static Pattern -14	140 --- 149
		Static Pattern -15	150 --- 159
		Static Pattern -16	160 --- 169
		Dynamic Pattern -1	170 --- 179
	Pattern	Dynamic Pattern -2	180 --- 189
		Dynamic Pattern -3	190 --- 199

CH-18		Dynamic Pattern -4	200 --- 209
		Dynamic Pattern -5	210 --- 219
		Dynamic Pattern -6	220 --- 229
		Dynamic Pattern-7	230 --- 239
		Dynamic Pattern -8	240 --- 255
CH-19	Pattern change speed		0 --- 255
CH-20	Pattern change fade		0 --- 255
CH-21	Background Red	From dark to bright	0 --- 255
CH-22	Background Green		
CH-23	Background Blue		
CH-24	Background White		
CH-25	Reset	No function	0 --- 79
		Reset	80 --- 99
		No function	100 --- 255

## 6. Shape

---



## 7. Trouble shooting

Following are a few common problems that may occur during operation. Here are some suggestions for easy troubleshooting:

### **A. The unit does not work, no light and the fan does not work**

1. Check the connection of power and main fuse.
2. Measure the mains voltage on the main connector.
3. Check the power on LED.

## **B. Not responding to DMX controller**

1. DMX LED should be on. If not, check DMX connectors, cables to see if link properly.
2. If the DMX LED is on and no response to the channel, check the address settings and DMX polarity.
3. If you have intermittent DMX signal problems, check the pins on connectors or on PCB of the unit or the previous one.
4. Try to use another DMX controller.
5. Check if the DMX cables run near or run alongside to high voltage cables that may cause damage or interference to DMX interface circuit.

## **C. One of the channels is not working well**

1. The stepper motor might be damaged or the cable connected to the PCB is broken.
2. The motor's drive IC on the PCB might be out of condition