BEAM LIGHT 230W
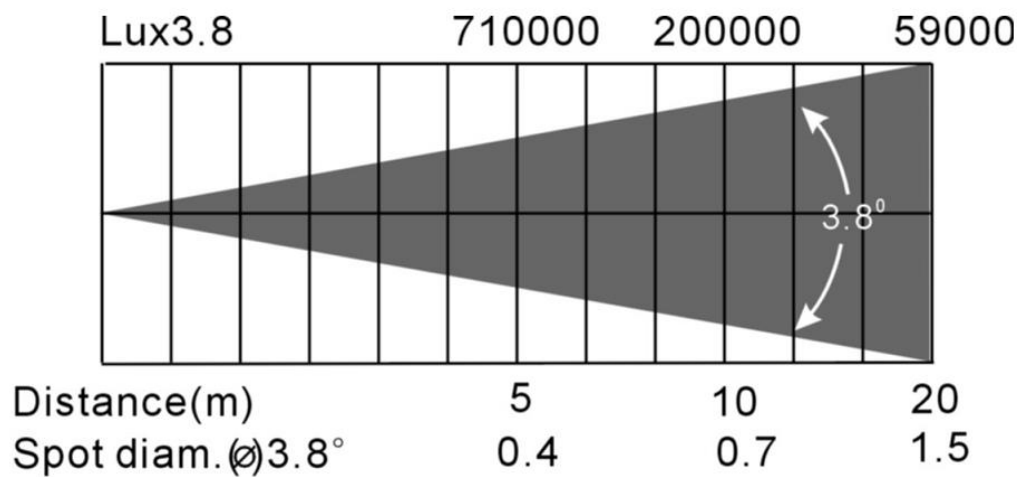

User Manual

Please read this manual before installing & using, and keep it for further consultation

LUX

Lux3.8   710000   200000   59000

3.8°

Distance(m)   5   10   20
Spot diam. (⌀)3.8° 0.4   0.7   1.5

DMX CHANNELS

CHANNEL	CHANNEL MODE	
	16	**20**
1	COLOUR WHEEL	COLOUR WHEEL
2	STOP/STROBE	STOP/STROBE
3	DIMMER	DIMMER
4	STATIC GOBO CHANGE	STATIC GOBO CHANGE
5	PRISM INSERTION	PRISM INSERTION
6	PRISM ROTATION	PRISM ROTATION
7	prism with zoom	prism with zoom
8	FROST	FROST
9	FOCUS	FOCUS
10	PAN	PAN
11	PAN FINE	PAN FINE
12	TILT	TILT
13	TILT FINE	TILT FINE
14		
15	RESET	RESET
16	LAMP CONTROL	LAMP CONTROL
17		PAN-TILT TIME
18		COLOUR TIME
19		DIMMER-PRISM-FROST TIME
20		GOBO TIME

COLOUR WHEEL - channel 1
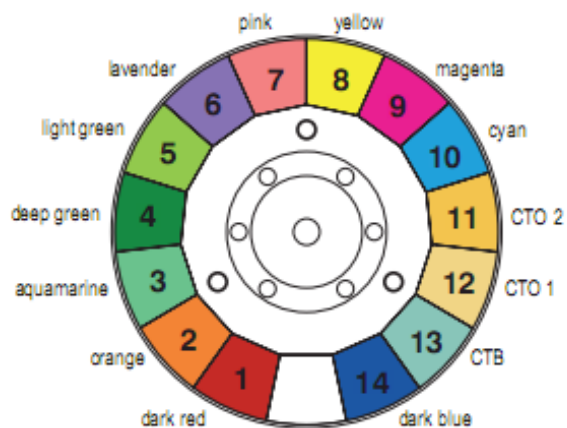
BIT	EFFECT
255	FAST ROTATION
......	......
150	SLOW ROTATION
145	BLUE + WHITE
140	BLUE
135	CTB 8000 + BLUE
130	CTB 8000
125	CTO 190 + CTB 8000
120	CTO 190
115	CTO 260 + CTO 190
110	CTO 260
105	CYAN + CTO 260
100	CYAN
95	MAGENTA + CYAN
90	MAGENTA
85	YELLOW + MAGENTA
80	YELLOW
75	PINK + YELLOW
70	PINK
65	LAVENDER + PINK
60	LAVENDER
55	LIGHT GREEN + LAVENDER
50	LIGHT GREEN
45	GREEN + LIGHT GREEN
40	GREEN
35	AQUAMARINE + GREEN
30	AQUAMARINE
25	ORANGE + AQUAMARINE
20	ORANGE
15	RED + ORANGE
10	RED
5	WHITE + RED
0	WHITE

STOP/STOBE - channel 2

BIT	EFFECT
252-255	OPEN
239-251	RANDOM FAST STROBE
226-238	RANDOM MEDIUM STROBE
213-225	RANDOM SLOW STROBE
208-212	OPEN
207	FAST PULSATION
......	......
108	SLOW PULSATION
104-107	OPEN
103	FAST STROBE
......	......
4	SLOW STROBE
0-3	CLOSED

DIMMER - channel 3

BIT	EFFECT
255	100%
......	......
0	0%

STATIC GOBO CHANGE - channel 4
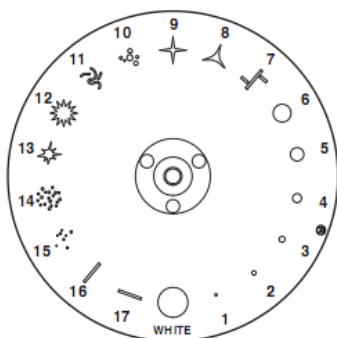
PRISM ROTATION - channel 6

BIT	EFFECT
255	FAST ROTATION
......	......
193	SLOW ROTATION
191-192	STOP
190	SLOW ROTATION
......	......
128	FAST ROTATION
0-127	POSITION

BIT	EFFECT
255	GOBO 17 SHAKE, FAST SPEED
......	......
251	GOBO 17 SHAKE, SLOW SPEED
250	GOBO 16 SHAKE, FAST SPEED
......	......
246	GOBO 16 SHAKE, SLOW SPEED
......	......
180	GOBO 2 SHAKE, FAST SPEED
......	......
176	GOBO 2 SHAKE, SLOW SPEED
175	GOBO 1 SHAKE, FAST SPEED
......	......
171	GOBO 1 SHAKE, SLOW SPEED
170	FAST ROTATION
......	......
135	SLOW ROTATION
130-134	STOP
129	SLOW ROTATION
......	......
90	FAST ROTATION
85	GOBO 17
80	GOBO 16
75	GOBO 15
70	GOBO 14
65	GOBO 13
60	GOBO 12
55	GOBO 11
50	GOBO 10
45	GOBO 9
40	GOBO 8
35	GOBO 7
30	GOBO 6
25	GOBO 5
20	GOBO 4
15	GOBO 3
10	GOBO 2
5	GOBO 1
0	WHITE

EFFECTS MOVEMENT - channel 7

BIT	EFFECT
255	100%
......	......
0	0%

FROST - channel 8

BIT	EFFECT
128-255	FROST INSERTED
0-127	FROST EXCLUDED

FOCUS - channel 9

BIT	EFFECT
255	100%
......	......
0	0%

PAN - channel 10

PAN FINE - channel 11

TILT - channel 12

TILT FINE - channel 13

FUNCTION - channel 14 (NOUSED)

RESET - channel 15

BIT	EFFECT	remarks
128-255	COMPLETE RESET	Reset is activated passing through the unused range and staying 5 seconds.
77-127	PAN/TILT RESET	
26-76	EFFECTS RESET	
0-25	UNUSED RANGE	

LAMP CONTROL- channel 16

BIT	EFFECT	remarks
101-255	LAMP ON	Lamp switch passing through the unused range and staying 5 seconds.
26-100	LAMP OFF	
0-9	UNUSED RANGE	

TIMING CHANNELS

	Timing Channel	Channel function	Remark	
17	Pan-Tilt time	Pan-Tilt-(Pan fine-Tilt fine)	255	SLOW SPEED
18	Color time	Color wheel	SPEED	
19	Beam time	Dimmer-Prism -Frost	......	......
20	Gobo time	Static Gobo	0	FAST SPEED

DISPLAY

Concerning how to use keys, we'll demo how to modify DMX ADD as example
1. if not on the main menu, please press left (1 or more times) to enter main menu
2. press up or down to select setting in main menu
3. please press enter to enter setting
4. please press up or down to select DMX ADD in setting
5. please enter to enter edit status
6. please press up or down to modify DMX ADD
7. press enter to exit edit status

If you use touch display, it's more convenient
1. please press up or down to select setting in main menu
2. The same as before using 4-7.

Main Menu

Settings

function		remarks
Running mode	DMX	slave: receive DMX signal from host or controller
	AUTO	Host: AUTO running &send DMX signal to slave Please turn on lamp at first, then to check effect &enter in AUTO
DMX ADD	1~512	Please press enter to edit ADD.
CH MODE	16	17-20 CH invalid
	20	17-20 CH control speed
X reverse	off	
	on	
Y reverse	off	
	on	
XY exchange	off	
	on	Exchange XY CH（pan/tilt fine）
XY edition	On	using edition to test &automatically correct the position
	off	No using edition
W/O DMX	keep	Keep the original state continues to run
	cancel	motor reset, stop running
protect	on	after 30 seconds turn off back light
	off	Turn on back light
Turn on lamp	off	Motor reset, do not turn on lamp(using menu or controller to turn on lamp)
	on	Turn on lamp &reset
Restore Default Settings		please press enter 2 times

Control by manual

function		remakrs
reset		please press enter 2 times to rest all motors
Color gobo	0~255	Please press enter to edit.
......	0~255	
Gobo speed	0~255	
Control lamp	on	

Safety instruction

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

- Unpack and check carefully that there is no transportation damage before using the unit.
- The unit is for indoor use only. Use only in a dry location.
- Do install and operate by qualified operator.
- Do not allow childern to operate the fixture.
- Use safety chain when fixing the unit. Handle the unit by carrying its base instead of head only.
- The unit must be intalled in a location with adequate ventilation, at least 50cm from adjacent surfaces.
- Be sure than no ventilation slots are blocke; otherwise the unit will be overheated.
- Before operationg, ensure that the voltage and frequency of power supply matches the power requirements of the unit.
- It's important to ground the yellow/ green conductor to earth in order to avoid electric shock.
- Maximum ambient temperature TA: 40C. Don't operate it when the temperature is higher.
- Don't connect the device to any dimmer pack.
- During initial start-up some smoke or smell may arise. This is a normal proecess and does not necessarily mean that the device is defective, and it will decrease gradually within 15 minutes.
- Make sure there are no flammable materials close to the unit while operating to avoid fire hazzard.
- Examine the power wires carefully; replace them immediately if there are is any damage.
- Unit's surface themperature may reach up to 85°C. Don't touch the housing bare-handed.

Installation

- Bolt each clamp (1) to the omega holder with screw and lock nut through the hole in the holder.
- Fasten the omega holders (2) on the bottom of the base by inserting quick-lock fasteners (3) into the holes of the base and tighten fully clockwise.
- Hang the fixture to the support (4) through clamp and fasten the screws (5). Fasten the safety cable (6) through the bottom of the base and over the support.
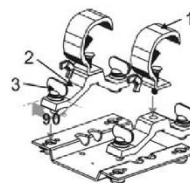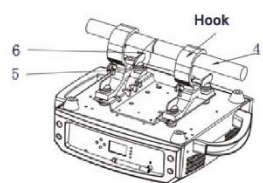

Fig.1   Fig.2

Attention:

Always ensure 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, without any harming deformation.

Dimmer/ Shutter:

- Mechanical dimmer
- Mechanical Shutter and adjustable speed strobe effect

Color Wheel

- Color wheel: 14 fixed colors
- Rainbow effect in both directions
- Easy calibration and maintenance by magnetic home positioning

Gobo Wheel

- Gobo Wheel: 17 fixed gobos, index able
- Easy calibration and maintenance by magnetic home positioning

FEATURES

- **Voltage:** AC100V-240V,50/60HZ
- **Power:** 290W
- **Lamp:** OSRAM LAMP 230W/ OSRAM P-VIP LAMP 230W
- **Prims:** 8-facet rotating prism Frost
- **Zoom:** From 1 ° – 3.8 °
- **Focus:** Electronic
- **Cooling:** Fan Cooling
- **Protocols:** DMX 512
- **Data Input/ output:** 3/5 Pin XLR Socket
- **Dimension:** 45*40*50.5 CM
- **IP Rate:** IP20
- **G.W:**19kg

Please Note: Specifications and improvements in the design of this unit and this manual are subject to change without any prior written notice.