

# Operating Instructions for Waterproof Beam Light



## Special Notes

- While resetting, press the touch screen or the “OK” button and hold for 5 seconds to stop resetting.
- After power is on, press the “Confirm” button, or press the touch screen and hold to stop resetting and enter testing mode.
- Set DMX address as 512 and return to the interface. Press “512” on the touch screen and hold for 5 seconds, or press the “OK” button and hold for 5 seconds to either “Display” or “Hide” the logo.
- The pattern plate and color plate have automatic magnetic detection and error correction functions. When a Hall sensor is being installed and the channel value is 0, or when resetting calibration is used for fine tuning, make sure that it is magnetized. When resetting calibration range of the pattern plate and color plate exceed  $\pm 20$ , zero-point error correction function will be disabled. If it can be magnetized, the user may find the pattern plate or color plate of a lamp losing its steps and pushes channel value to 0, the system will then perform resetting error correction for the pattern plate or color plate.
- Signal indicator:
  - Flickering of the ERR red indicator indicates an error. You may enter “Information”-> “Wrong system information” to view the error.
  - Normal lighting up of the DMX blue indicator indicates that DMX signal is received. Normal switching off of the DMX blue indicator indicates that there is no DMX signal.
  - If the blue indicator on the motor driver board flickers rapidly at an interval of 1 second, serial port signals transmitted from the display board are received. If it flickers slowly at an interval of 2 seconds, there is no serial

port signal. Flickering of the lamp indicates that the system is running. Normal switching on/off of the indicator indicates a fault in the motor driver board.

Color temperature: 8000K

Lens: Yilong optical lens

Horizontal: 540°

Vertical: 270°

Light source: Osram 371W Lamp

Total power: 500W

Waterproof grade: IP65

DMX512 signal control

Color plate: 13 colors plus white light, and bidirectional speed change rainbow effect is available.

Rotary pattern plate: 17 fixed pattern plates (3 glass pattern positions) plus white light

Atomization: 1 Atomization mirror

Biprism: 8+16 prisms or 8+8 prisms for bidirectional speed change rotation

Light dimming: 0-100%

Strobing: 1-13 times/second

Focusing: Electronic focusing

Light output angle: 1.9°-3°

Panel: LCD sensitive button

Appearance: Patented product of full PV+ fiber plastic outer shell

Hanging: Can be hung

Net weight: 25KG

Dimension: 39\*32\*67

### (DMX Channels)

Channel	Mode of Channel	
	16	20
1	Color wheel	Color wheel
2	STOP/STROBE	STOP/STROBE
3	Light dimming	Light dimming
4	Pattern plate	Pattern plate
5	Prism 1	Prism 1
6	Prism rotation 1	Prism rotation 1
7	Prism 2	Prism 2
8	Prism rotation 2	Prism rotation 2
9	6 colors+ frost	6 colors+ frost
10	Focusing	Focusing
11	PAN	PAN
12	PAN FINE	PAN FINE
13	TILT	TILT
14	TILT FINE	TILT FINE
15	Resetting	Resetting
16	Bulb control	Bulb control
17		None
18		Speed of color wheel
19		DIMMER-PRISM-FROST TIME
20		Speed of pattern plate

➤ **COLOUR WHEEL - channel 1**

➤ **STOP/STOBE - channel 2**

➤ **DIMMER - channel 3**

BIT	EFFECT	效果	备注
255	100%	亮度 100%	
.....	.....	.....	
0	0%	亮度 0%	

#### STATIC GOBO CHANGE - channel 4

70	WHITE SHAKE, SLOW SPEED	白光孔慢速抖动	
65	GOBO 13	图案 13	
60	GOBO 12	图案 12	数值总是 5 的倍数 The value is always multiple of 5
55	GOBO 11	图案 11	
50	GOBO 10	图案 10	
45	GOBO 9	图案 9	
40	GOBO 8	图案 8	
35	GOBO 7	图案 7	
30	GOBO 6	图案 6	
25	GOBO 5	图案 5	
20	GOBO 4	图案 4	
15	GOBO 3	图案 3	
10	GOBO 2	图案 2	
5	GOBO 1	图案 1	
0	WHITE	白色	

#### ➤ PRISM INSERTION 1- channel 5

BIT	EFFECT	效果	备注
128-255	PRISM INSERTED	插入棱镜	
0-127	PRISM EXCLUDED	移开棱镜	

#### ➤ PRISM ROTATION 1- channel 6

BIT	EFFECT	效果	备注
255	FAST ROTATION	快速旋转（正向）	
.....	.....	.....	
193	SLOW ROTATION	慢速旋转（正向）	
191-192	STOP	停止	
190	SLOW ROTATION	慢速旋转（反向）	
.....	.....	.....	
128	FAST ROTATION	快速旋转（反向）	
0-127	POSITION	棱镜角度调节	

#### ➤ PRISM INSERTION2 - channel 7

BIT	EFFECT	效果	备注
128-255	PRISM INSERTED	插入棱镜	
0-127	PRISM EXCLUDED	移开棱镜	

➤ **PRISM ROTATION2 - channel 8**

BIT	EFFECT	效果	备注
255	FAST ROTATION	快速旋转（正向）	
.....	.....	.....	
193	SLOW ROTATION	慢速旋转（正向）	
191-192	STOP	停止	
190	SLOW ROTATION	慢速旋转（反向）	
.....	.....	.....	
128	FAST ROTATION	快速旋转（反向）	
0-127	POSITION	棱镜角度调节	

➤ **FOCUS - channel 10**

BIT	EFFECT	效果	备注
255	100%	调焦 100%	
.....	.....	.....	
0	0%	调焦 0%	

➤

➤ **PAN - channel 11**（略）

➤

➤ **PAN FINE - channel 12**（略）

➤

➤ **TILT - channel 13**（略）

➤

➤ **TILT FINE - channel 14**（略）

➤ **PAN-TITL TIME - channel 15** 复位

➤ **LAMP CONTROL&RESET - channel 16**

BIT	EFFECT	效果	备注
101-255	LAMP ON	点亮灯泡	在相应区域停留 5 秒之后开始开关灯泡。  Lamp switch passing through the unused range and staying 5 seconds.
10-100	LAMP OFF	熄灭灯泡	
0-10	UNUSED RANGE	无效区域	

➤ **RFU channel 17**

➤ **TIMING CHANNELS**

	Timing Channel	Channel function	Remark
18	Colour time	Colour wheel	255 SLOW SPEED
19	Beam time	Dimmer-Prism -Frost	..... ..
20	Gobo time	Static Gobo	0 FAST SPEED

## (Description of the Menu)

A level of password is set before entering the main menu to prevent from erroneous operation of any non-professional. The default password is “Up down up down”. Press “Confirm” key for password authentication.

### ➤ Structure of menu

Main interface	
	---- Setting ---- Operation mode
	---- DMX address
	---- Channel mode
	---- X reversal
	---- Y reversal
	---- XY exchange
	---- XY coder
	---- DMX signal
	---- Power on to light bulb
	---- Linear change of color wheel
	---- Restore to default setting
	---- Manual
	-- System -- Version of software
	-- Resetting calibration
	-- Sensor monitoring
	-- Error of system
	-- Authority setting
	-- DMX monitoring
	-- Chinese-English switch
	-- Screen rotation