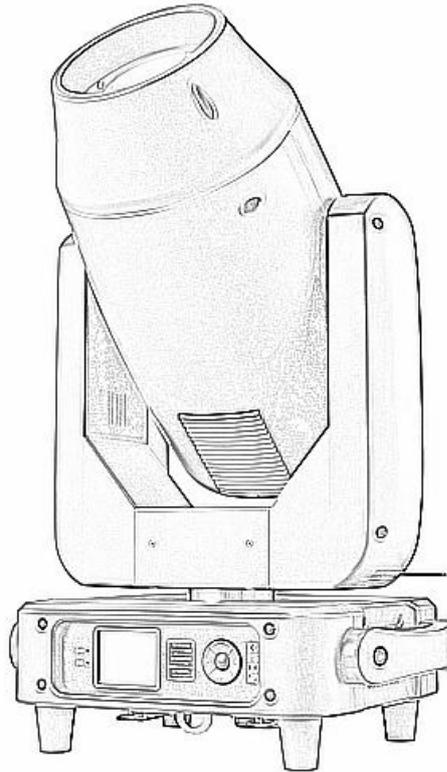


# Beam Spot Wash 3 in 1 Osram 371W Bulb



## **User manual**

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Thanks for choosing our goods please read this manual carefully before your operating

Voltage:AC100V-240V 50/60Hz 500w

Light source:Osram HRI 371W lamp

Color Temperature:8000K

Beam Angle:1.5°- 40° linear fast zooming.

Focus:High precision optical lens,electronic linear control

Linear Dimmer:Mechanical dimmer 0-100%

Color Wheel:12 fixed color+open, half-tone effect,

Rotating Gobo:7 rotating gobos+White,

Fixed gobo: 17 metal gobos +white,

Prism:8 facet circular prism & 6 facets linear prism

Dimmer:0-100% linear dimmer

Strobe:1-18/second,double lens strobe with adjustable speed

Pan and Tilt: Smoothly,automatic Pan/Tilt position correction,speed adjustable

Range:Pan540°, Tilt 280°

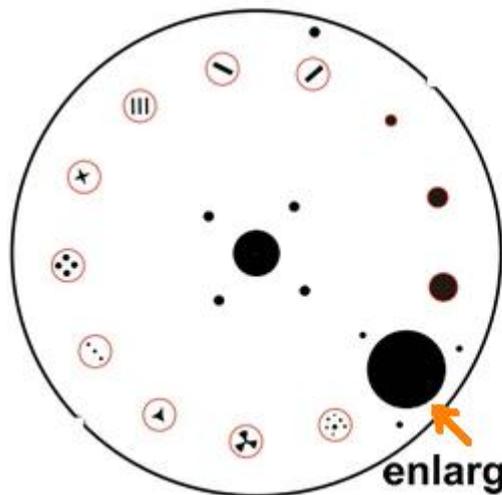
Effect:Color+Gobo+Prism+Strobe automatic operation function

Channel mode:16CH / 24CH DMX

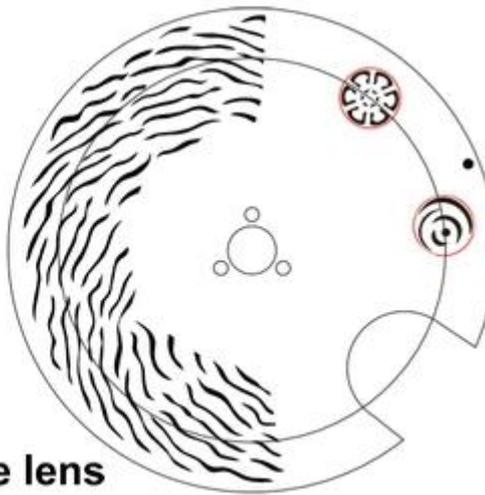
### 7 rotate glass gobos



### fixed gobo wheel



### effect gobo wheel



enlarge lens

**DMX Addr:** Use the menu to set desired fixture address setting

**Channel Mode:** Use the menu to select desired DMX channel mode. The numbers on the menu represents the number of control channels.

**Reset Operating:** Reset Motors

**Motor power off:** Select “Y” to turn off the motors power, and select “N” to turn on the motors power, it will reset automatically. You can plug the motor and reset it without turn off main power supply via this menu.

**Pan/Tilt:** Use the menu to reset Pan and Tilt.....

**Run:**Use the menu to select operational mode

Following is the instructions of the menu options(Note: the “test” mode option may be different according to product model):

- DMX: Controlled by DMX512 signal.
- Test(factory): Controlled by built-in program which is for factory test.
- Program: Controlled by User's program. User the menu [Running Cnfg]- [Mixed Scene] and [Scene Edit] to set up or edit the scenes.

**Lamp:** Use the menu to turn on or off the lamp. It will take effect after 3 seconds , if the value was switched back in 3 seconds, the operation will be canceled. If the lamp was turn off, it must wait for 1 to 2 minutes before it can turn on again. You can set the menu value to “on” and it will turn on automatically after 1 to 2 minutes. An example of the value is shown below :

**Manual Control:** Set DMX value manually

**CHN1:** Set the DMX value of CHN 1.

**CHN2:** Set the DMX value of CHN 2.

**CHN3:** Set the DMX value of CHN 3.

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**Running Cnfg:** configuration of Running.

**M/S Mode:** Slave mode is for receiving external DMX signals and Master mode is for sending DMX signals to external slave fixtures

**Maunual Pan/Tilt:** Select “Y” to Manual Pan/Tilt.

**Pan Reverse cnfg:**

**Reverse:** The item allows to invert Tilt movement

**Tilt Reverse cnfg:**

**Reverse:** The item allows to invert Tilt movement

**Pan Cnfg:**

**Origin:** Set desired Origin value to change Pan Movement range (set the DMX value to 0 before changing this value, the tile motor will move when changing this value)

**End:** Set desired final stop value to change Pan movement range (set the DMX value to 255 before changing this value, the tile motor will move when changing this value)

**Tilt Cnfg:**

**Origin:** Set desired Origin value to change Tilt movement range (set the DMX value to 0 before changing this value, the tile motor will move when changing this value)

**End:** Set desired final stop value to change Tilt movement range (set the DMX value to 255 before changing this value, the tile motor will move when changing this value)

**Color linear:** You can set the color wheel rotate by “half color” or “linear”.

**Dim Curves:** Select the dim curve (For LED light only).

**DMX Lost:**

**Advanced:**

**Fine Adj:** This is the factory adjustment function locked with password.

**DMX Lost:** Use the menu to select run mode when external DMX cannot be connected.

**Start Up:** Following is the instructions of the menu options:

- Middle: The DMX of pan and tilt are set to 128, all other DMX are set to 0.
- Test (factory/gobo/color) : Controlled by built-in program. Refer to the menu “Run” for more information.
- Program: Program: Controlled by User's program. User the menu [Running Cnfg]- [Mixed Scene] and [Scene Edit] to set up or edit the scenes.

**Running:** Whenever the DMX is lost:

- Keep: Keep the last state when reset finished..
- Shutter Off:..shutter off.

**Fan Speed:** Set the fan speed mode. This function is only valid on some models, please refer to the specification for more information.

**Language:** Use the menu to select desired system language

**Lamp Off:** Use the menu to select what the motor should do when lamp is off. If ""No Act"" is selected, lamp doesn't lead to any changes of motors. If "Sleep" is selected, motors except Pan/Tilt will sleep when lamp is off.

**Info:**

**DMX Monitor:** Display the DMX value from controller

**Chn:** Use the menu to select desired channel which you need to watch.

**Value:** Show the current value of the selected channel

**Err State:** Error information (If there is any error shown in this menu, a exclamatory mark will show at the top right corner of menu cover)

**Storage:** This message will appear when Flash goes bad.

**Sensor Err:** The states of all of the sensors

**Pan Raster:** Is the position sensor (raster) error.

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**Lamp:** The communication between CPU and lamp driver. If this communication go out of work, the CPU cannot determine the lamp is on or off, and some functions may be affected.

**Bus:** This message informs you that the communication between the display PCB in the fixture base and the motor driver PCB in the fixture head failed, and cables may be broken.

**Lamp Driver:** The communication between CPU and lamp driver. If this communication go out of work, the CPU cannot determine the lamp is on or off, and some functions may be affected.

**RAM Err:** A memory allocation failure occurs. Please contact your Dealer or Fabricator for repair assistance.

**Fan Stalling:** Fan stop.

**Lamp Service time:** Lamp service time

**ThisTime (m):** The menu shows the total number of the operation hours with the lamp on since the last operation of clear.

**Clear Lamp Time:** Use the menu to reset the counter of operation hours with the lamp to 0, when a new lamp replaces the old one.

**Test mode: for factory test, users do not need to pay attention to it**

**Product Code:** the internal code of the product, which is only for product production and maintenance reference.

## DMX512 Protocol

Mode/channel I			DMX value	Function	Type of control
24	16				
1	1		0-255	<b>Pan</b> Pan movement by 540°	proportional
2	*		0-255	<b>Pan Fine</b> Fine control of pan movement by 2.11°	proportional
3	2		0-255	<b>Tilt</b> Tilt movement by 246°	proportional
4	*		0-255	<b>Tilt Fine</b> Fine control of tilt movement 1°	proportional
5	3		0	<b>Pan/Tilt speed</b> Max speed	step
			1-255	<b>Speed mode</b> Speed from max. to min.	proportional
			1-255	<b>Time mode</b> Time from 0.1 sec to 25.5 sec	proportional
6	4		0-129	<b>Special functions</b> Empty	
				To activate following functions, stop in DMX value for at least 3 seconds:	
			130-139	Lamp On	step
			140-149	Pan/Tilt reset	step
			150-199	Empty	
			200-209	Total reset	step
			210-229	Empty	
			230-239	Lamp Off	step
			240-255	Empty	
7	5		0-129	<b>Color wheel</b> Continual positioning	proportional
			130-189	Step Positioning	step
			190-215	Forwards rainbow effect from fast to slow	proportional
			216-217	No rotation	step

Mode/channel			DMX value	Function	Type of control
24	16				
			218-243	Backwards rainbow effect from slow to fast	proportional
			244-249	Random color selection by sound control. The sensitivity is from Low to High (set microphone sensitivity in menu : Run Settings)	step
			250-255	Auto random color selection from fast to slow	proportional
<b>8</b>	<b>*</b>			<b>Color wheel fine positioning</b>	
			0-255	Fine positioning	proportional
<b>9</b>	<b>6</b>			<b>Effect gobo wheel</b>	
			0		step
			1-255	Effect gobos index	proportional
<b>10</b>	<b>7</b>			<b>Static gobo wheel</b>	
			0-54	Gobos with no shake	step
			55-199	Shaking gobos	proportional
			200-201	Open/Hole	step
			202-221	Forward gobo wheel rotation from fast to slow	proportional
			222-223	No rotation	
			224-243	backward gobo wheel rotation from slow to fast	proportional
			244-249	Random gobo selection by sound control. The sensitivity is from Low to High (set microphone sensitivity in menu : Run Settings)	step
			250-255	Auto random gobo selection from fast to slow	proportional
<b>11</b>	<b>8</b>			<b>Rotating gobo wheel</b>	
				In the range of 0-59 DMX, the gobo selection speed is controlled by the Effect speed channel 21/*/27	
			0-102	Index - set indexing on channel 12/9/18	step
			103-199	Rotation - set rotation on channel 12/9/18	
			200-201	Open/hole	step
			202-221	Forward gobo wheel rotation from fast to slow	proportional
			222-223	No rotation	step
			224-243	Backward gobo wheel rotation from slow	proportional

Mode/channel			DMX value	Function	Type of control
24	16				
				to fast	
			244-249	Random gobo selection by sound control. The sensitivity is from Low to High	step
			250-255	Auto random gobo selection from fast to slow	proportional
12	9			<b>Rot. gobo indexing and rotation</b>	
				<i>Gobo indexing - set position on channel 11/8/17</i>	
			0-255	Gobo indexing	proportional
				<i>Gobo rotation - set position on channel 11/8/17</i>	
			0	No rotation	step
			1-127	Forward gobo rotation from fast to slow	proportional
			128-129	No rotation	step
			130-255	Backward gobo rotation from slow to fast	proportional
13	*			<b>Rot. gobo indexing and rotation - fine</b>	
			0-255	Fine indexing(rotation)	proportional
14	10			<b>Prism</b>	
			0-19	Open position (hole)	step
				<i>Set indexing or rotating on channel 15/11/21</i>	
			20-49	Prism 1 - indexing	step
			50-75	prism 1 - rotating	step
			76-105	Prism 2 - indexing	step
			106-127	prism 2 - rotating	step
			128-191	Double prisms indexing	step
			192-255	Double prisms rotating	step
15	11			<b>Prism rotation and indexing</b>	
				<i>Prism indexing - set position on channel 14/10/20</i>	
			0-255	Prism indexing	proportional
				<i>Prism rotation - set position on channel 14/10/20</i>	
			0	No rotation	step
			1-127	Forward prism rotation from fast to slow	proportional
			128-129	No rotation	step
			130-255	backward prism rotation from slow to fast	proportional

Mode/channel			DMX value	Function	Type of control
24	16				
16	12			<b>Frost</b>	
			0-64	Open	step
			65-255	frost: Area is from small to large	proportional
17	13			<b>Zoom</b>	
			0-255	Zoom from max. to min beam angle	proportional
18	*			<b>Zoom - fine</b>	
			0-255	Fine zooming	proportional
19	14			<b>Focus</b>	
			0-255	Continuous adjustment from far to near	proportional
20	*			<b>Focus - fine</b>	
			0-255	Fine focusing	proportional
21	*			<b>Rot. Gobo speed/Time</b>	
				If in speed mode (set in menu)	
			0	Max speed	step
			1-255	Speed from fast to slow	proportional
				If in time mode (set in menu)	
			0	Function is off	step
			1-255	Time of rot. gobo movement (0.1 sec. to 25.5 sec.)	proportional
22	15			<b>Shutter/Strobe</b>	
			0-31	Shutter closed	step
			32-63	Shutter open	step
			64-95	Strobe effect from slow to fast	proportional
			96-127	Shutter open	step
			128-143	Opening pulse in sequences from slow to fast	proportional
			144-159	Closing pulse in sequences from fast to slow	proportional
			160-191	Shutter open	step
			192-223	Random strobe effect from slow to fast	proportional
			224-255	Shutter open	step
23	16			<b>Dimmer intensity</b>	
			0-255	Dimmer intensity from 0% to 100%	proportional
24	*			<b>Dimmer intensity - fine</b>	
			0-255	Fine dimming	proportional