

# 100w Water Wave Light



(LED source: 100W white LED)



## User Manual

Please read this user manual before using this product



## I. Checking before using

No.	Item	Qty.	Unit
1	100w Water Wave Light	1	Piece
2	1.5m 0.75 <sup>2</sup> IEC power cable	1	Piece
3	Bracket	1	Piece
4	S screw	2	Pieces
5	Round gasket	2	Pieces
6	34° lens cone	1	Piece
7	60° lens cone	1	Piece
8	User manual	1	Piece
9	Hook	Optional	
10	Safety cable		
11	DMX cable		

★For security reasons and in accordance with the terms, reassemble or modify the product is not allowed without permission. Please note that due to human damage caused by improper use of the product, will break the warranty qualification. Moreover, the unprofessional operation may lead to short circuits, burns or electric shock, and so on.

★This device has been full inspection before shipping. For your safety, please operate it according the User Manual.

★If any damage caused by improper operation will result in the termination of the warranty claims. The manufacturer does not accept any responsibility of property damage due to improper operation or personal injury due to non-compliance with the operating instructions.

★Keep the manual in a safe place for future reference as well as after the product sale, lease, etc..

★**Note:** Based on product improvements, specification may change, without notice.Changes in product specifications related rights reserved.

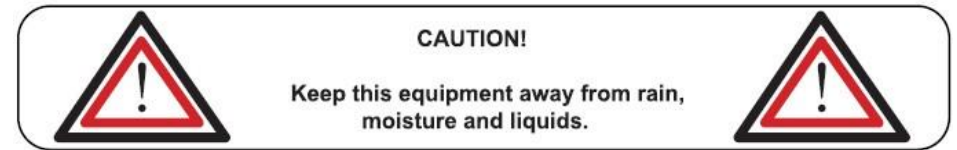
★**Note:** This machine is a mechanical positioning, slight noise when start or reset is normal.

## II. Product statement

**Note: Please unplug the power cable before doing product maintenance!**

It is important to keep the fixture clean, not only to keep the light output at maximum brightness, but also to extend its service life. It is recommended to use high-quality professional glass cleaner and a soft cloth to clean, any alcohol or chemical solvents is not allowed during the cleaning. The inside of the lamp and the fan should be cleaned by vacuum cleaner at least one time quarterly.

## III. Safety instruction



1. When opening the packing, take all accessories out, and remove the light to a horizontal table for good operation. First check whether the accessories are complete, then check carefully whether the whole light has no damage. If there is any damage, please contact us as soon as possible.
2. AC Power: Check whether the local power supply is accordance with the requirements of the product rated voltage.
3. The product is only suitable for indoor working environment. The light should keep dry, keep away from wet, overheat or dusty environment. Don't come into contact with water and other liquids to prevent or reduce the risk of electric shock or fire.
4. Please do not install the light directly on the surface of the combustible substance.
5. The people who install, operate and maintain of light professional certificate required.
6. When there are faults of the light, please stop using the light immediately. Don't try to repair, please contact the nearest authorized technical assistance center, if the parts damage, always use the same type of parts replaced.
7. Don't touch any electrical wiring in the process of operation to prevent the risk of electric shock.
8. To make sure the light working environment temperature, the highest do not exceed 40 °C, the lowest do not exceed - 20 °C.

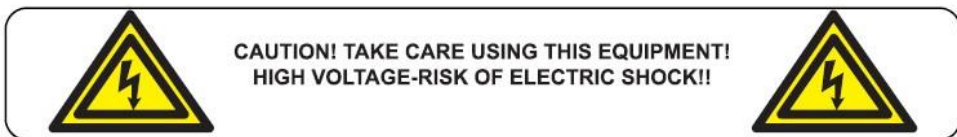
9. Under the stable cooling working situation, the highest temperature of the housing of the light can reach 80 °C, please do not touch.

10. The light is design according to the type of electric shock protection. The light should be use in good connection grounding power system and the earth sign port of the light should be connected to the installing fixtures.

11. Do not use the damage of the insulating layer wire and also do not use the power cord overlap on the other wire. When not in use or clean the light, please disconnect the power, don't pull the plug in hard or just drag the wires.

12. There are no components inside for maintenance. Before start operation the light, please check whether all of the shell is installed. In the case of the shell open used the light is prohibited.

**Note:** Before any installation, maintenance and clean the light, please confirm that has cut off the power cord!



#### IV. Product features

Category	Parameter		
<b>Voltage</b>	AC100~240V, 50/60HZ		
<b>Consumed power</b>	107W		
<b>Light source</b>	100W LED white		
<b>Channel</b>	3CH		
<b>Illumination (1 meter)</b>	<b>Color</b>	<b>Small lens cone</b>	<b>Big lens cone</b>
	R	5500	4500
	G	3800	3000
	B	6700	4800
	W	20000	10000
	A	9800	6300
	UV	4200	1700
<b>Measured light angle</b>		34°	60°
<b>Display</b>	LED display		
<b>Fuse</b>	F3AL250V		
<b>Control mode</b>	<input checked="" type="checkbox"/> DMX <input checked="" type="checkbox"/> Master/slave <input checked="" type="checkbox"/> Sound control <input checked="" type="checkbox"/> Show mode <input checked="" type="checkbox"/> Color		

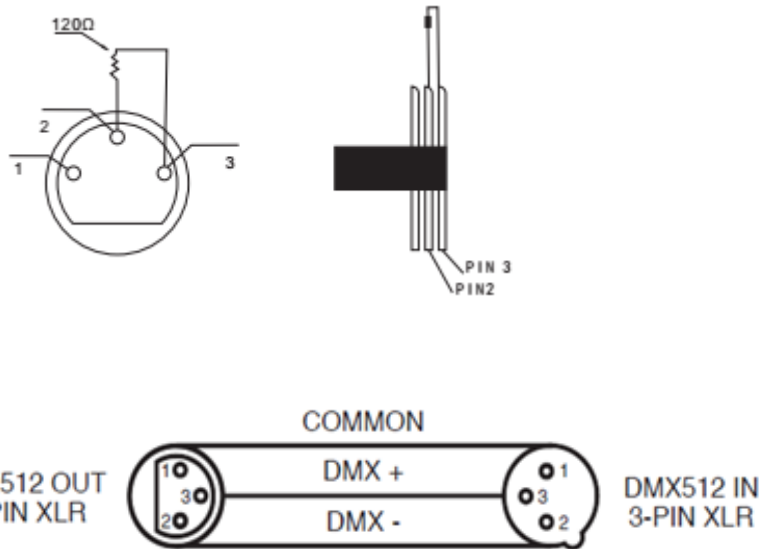
#### IX. DMX channel instruction (choose 0001 default address code)

[Sheet 1] DMX Channel (3CH)

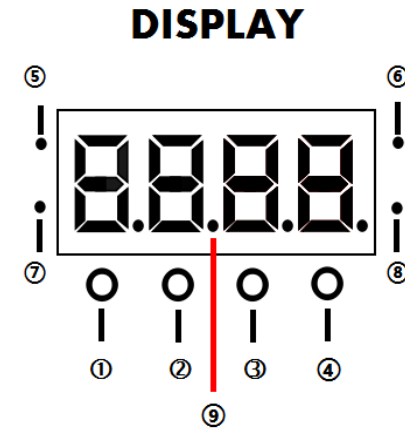
3CH		Value			Function
1	Dimmer	000	-	255	0-100% Dimmer, with sound active
2	Lens rotation	000	-	009	Stop
		010	-	120	Clockwise rotation, fast to slow
		121	-	134	Stop
		135	-	245	Anticlockwise rotation, slow to fast
		246		255	Stop
3	Color	000	-	010	W
		011	-	021	W+R
		022	-	032	R
		033	-	043	R+G
		044	-	054	G
		055	-	065	G+B
		066	-	076	B
		077	-	087	B+A
		088	-	098	A
		099	-	109	A+UV
		110	-	120	UV
		121	-	127	UV+W
		128	-	187	Clockwise rotation, fast to slow
		188	-	196	Stop
		197	-	255	Anticlockwise rotation, slow to fast

### DMX-512 Connection required terminal device (Loop connection)

In the installation process, if the distance of the signal line between each other is far, or in the noisy environment, such as KTV or Dancing Hall, the DMX terminal (loop connection) is recommended. This can avoid the turbidity of digital control signals caused by electrical noise. The DMX terminal is made up of a simple XLR connection head (2-pin and 3-pin) connecting to a 120Ω resistor. Please insert the terminal into the XLR output port of the last device. Please refer to the following picture:



### V. LED display



Item	NO.	Silkscreen	Function	
Button:	①	MENU	Enter Menu setting	
	②	DOWN	Next Menu	
	③	UP	Last Menu	
	④	ENTER	Enter setting/Confirm	
LED:	⑤	DMX	strobe	DMX Input
	⑥	SLAVE	strobe	Slave Mode
	⑦	MASTER	strobe	Master Mode
	⑧	SOUND	strobe	Sound Mode
	⑨			Indicated LED

## VI. LED display main function

MENU	OPTIONS & SETTING	DESCRIPTION
ADDR	0000 → 0510	DMX510 address code selection
	SH 0	Random show. affected by audio
SH00	SH 0 → SH15	Show mode 1-15, affected by audio
MODE	MODE	Master mode
	SLAVE	Slave mode
SCON	ON	Sound control on
	OFF	Sound control off
SENS	000 → 000	Sound control sensitivity
	0000 000 → 255	LED manual total dimmer
ARR0	0000 000 → 255	Color selection & color changing
	0000 000 → 255	Rotation, clockwise/ anticlockwise
	ON	Display on
	OFF	Display off
DRSP	DRSP	Display reverse YES/NO
TEST	TEST	Self test mode
TEMP	000 → 255	Display temperature
TIME	0000 → 9999	Lamps cumulative use time (Timer)
VER	0-10	Version
DEF	NO	Default
RES	YES	Reset

## VII. How to operation

Here are 2 ways to operate:

1. Master/slave build-in program to control
2. DMX controller

### a. Master/slave build-in function

All lights are initially installed as main machine: Choose **SH00** enter the constituency, then choose **SH 0**, **SH09** or **SH10**. Connect the lights in series, and the rest machines are set to be slave mode (**SLAVE**).

## VIII. DMX controller

If control the lights by DMX controller, address code must be set first. The address code value is between 1 to 512, and the lights can receive the DMX signal accordingly.

Press button **MENU**, select **ADDR**, then press button **ENTER**, and address code would be flash. Use **DOWN/UP** to select DMX512 address code. After setting the address code, press the **ENTER** button.

Connect the DMX512 console output port to the first slave device DMX input port, and connect the first slave device DMX output port to the second slave device DMX input port with signal cable, until all slave connections are complete.

