



9PCS 6IN1  
WATERPROOF PAR LIGHTS

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# ST-OP906



## USER MANUAL



At first, thank you for purchasing the device. For the sake of safety and regular operation of this projector, please read this manual carefully before using and operating it in order to avoid any personal injury or damage to the device.

## WARNING

**FOR YOUR OWN SAFETY, PLEASE READ THIS USER MANUAL CAREFULLY BEFORE YOUR INITIAL START-UP!**



**CAUTION: Keep this equipment away from rain, moisture and liquids.**



### ***SAFETY INSTRUCTIONS***

Every person involved with the installation, operation & maintenance of this equipment should:

- Be competent
- Follow the instructions of this manual



**CAUTION: Take care using this equipment! high voltage-risk of electric shock!!**



Before your initial start-up, please make sure that there is no damage caused during transportation. Should there be any, consult your dealer and do not use the equipment.

To maintain the equipment in good working condition and to ensure safe operation, it is necessary for the user to follow the safety instructions and warning notes written in this manual.

Please note that damages caused by user modifications to this equipment are not subject to warranty.



**ATTENTION:  
DANGER OF LIFE! RISK OF BURNS!  
RISK OF FIRE! RISK OF SHORT CIRCUIT!**

### ***IMPORTANT:***

The manufacturer will not accept liability for any resulting damages caused by the non-observance of this manual or any unauthorized modification to the equipment.

- Never let the power - cable come into contact with other cables. Handle the power-cable and all mains voltage connections with particular caution !
- NeVeR remove warning or informative labels from the equipment.
- Do not open the equipment and do not modify the equipment.
- Do not connect this equipment to a dimmer-pack.
- Do not switch the equipment on and off in short intervals, as this will reduce the systems life.
- Only use the equipment indoors.
- Do not expose to flammables ources, liquids or gases.
- Always disconnect the power from the mains when equipment is not in use or before cleaning! Only handle the power-cable by the plug. Never pull out the plug by pulling the power-cable.
- Make sure that the available voltage is 110-240V.
- Make sure that the power-cable is never crimped or damaged. Check the equipment and the power-cable periodically.
- If the equipment ix dropped or damaged, disconnect the mains power supply immediately.
- Have a qualified engineer inspect the equipment before operating again.
- If the equipment has been exposed to drastic temperature fluctuation (e.g. after transportation) do not switch it on immediately. The arising condensation might damage the equipment. Leave the equipment switched off until it has reached room temperature.
- Only use fuses of same type and rating.
- Repairs, servicing and power connection must only be carried out by a qualified technician.

***THIS UNIT CONTAINS NO USER SERVICEABLE PARTS.***

#### ***OPERATING DETERMINATIONS***

If this equipment is operated in any other way, than those described in this manual, the product may suffer damage and the warranty becomes void.

In Correct operation may lead to danger e.g.: short-circuit, burns, electric shocks, lamp failure etc.

Do not endanger your own safety and the safety of others! Incorrect installation or use can cause serious damage to people and property.

**You should find inside the LEDJ carton the following items:**

- 1、 Stage ligh1 Unit
- 2、 Power cable
- 3、 InstruCtion manual

#### ***Technical Specifications:***

Voltage: AC110-240V, 50/60Hz

Channel: 6/10CH

Waterproof: IP65

LED: 9PCS RGBWA-UV 6IN1

Color: RGB color can be mixed to more than 16.7 million kinds of color.

Beam Angle: 25°/45°

Dimmer: 0-100% linear dimming

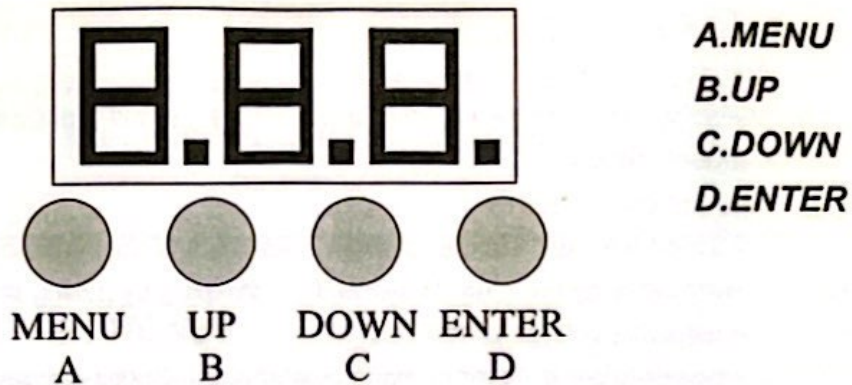
Operation: Auto, DMX512, Sound, Master/Slave

#### ***Operating modes:***

- 1、 Static Y color mode
- 2、 Y Color changing mode
- 3、 Y Color fade mode
- 4、 Auto run mode
- 5、 Sound active mode
- 6、 Master slave mode
- 7、 DMX mode

## Digital display operate:

a). Illustration part:



### Operation Instructions:

After power on, press "MENU" key to appear the following function in turn, and then press confirm key to confirm. (This order is the new machine order, if the light has used other modes and saved the mode before shutdown, it will show the mode before shutdown again) other functions need to be saved by pressing "ENTER" key after setting up, otherwise the effect of setting before shutdown will not occur after the next boot

b).LCD display window function comparison table  
(function selected and then press D key to confirm)

display mode	function declaration
A001 (A001—A512)	address code
CHND (6CH/10CH)	6/10 channel mode
CL01 (CL01—CL32)	Static color mixing mode (32 kinds)
CC99 (CC01—CC99)	Jump mode
EE99 (EE01—EE99)	Mutation pattern
FF99 (FF01—FF99)	Gradient mode
ST99 (ST01—ST99)	Confirm FM flash color (32 kinds)
SOU1 (SOU1/2/3/4)	Voice control mode SOU1 voice control jump SOU2 voice control mutation SOU3 voice-controlled color-changing stroboscopic SOU4 voice control jump+mutation+color change strobe
R255 (R000—R255)	R manual dimming
G255 (G000—G255)	G manual dimming
B255 (B000—B255)	B manual dimming
W255 (W000—W255)	W manual dimming
Y255 (Y000—Y255)	Y manual dimming
P255 (P000—P255)	P manual dimming
T000 (OFF/60-100)	Panel temperature display, preset power reduction setting (factory default 60 degrees)

Remarks: 1. In A001 mode, press the confirmation key to automatically enter the current adjustment mode, the up and down keys to adjust the value, and the confirmation key to adjust the color. After the parameters are adjusted, press the menu key to return, and press the confirmation key to adjust the machine.

2. This version supports RDM function.

**DMX512 6-channel description**

6CH	Value	Description
1	0-255	Red dimming
2	0-255	Green dimming
3	0-255	Blue dimming
4	0-255	White dimming
5	0-255	Amber dimming
6	0-255	UV dimming

**DMX512 10-channel description**

6CH	Value	Description
1	0-255	Total dimming
2	0-255	Red dimming
3	0-255	Green dimming
4	0-255	Blue dimming
5	0-255	White dimming
6	0-255	Amber dimming
7	0-255	UV dimming
8	0-10	Lights off
	11-255	Strobe speed(slow to fast)
9	0-9	Lights off
	10-50	color mixing mode
	51-100	hopping mode
	101-150	gradient mode
	51-200	mutation pattern
	21-220	console jump voice control
	21-240	console color-changing stroboscopic sound control
21-255	console mutation voice control	
10	0	Lights off
	1-255	Speed (slow to fast)



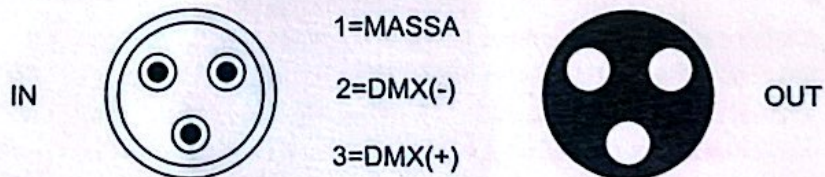
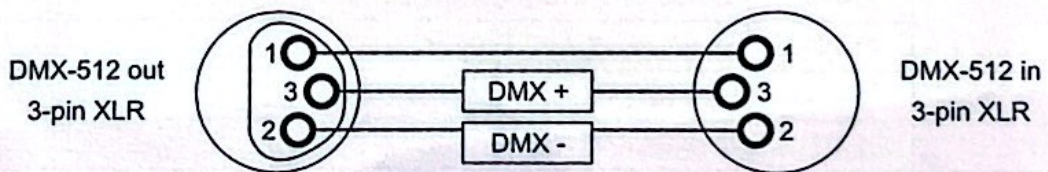
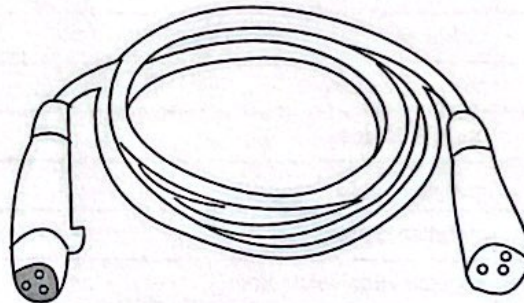
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**Notice:**

- Be sure to follow figures 2 & 3 when making your own cables.
- Do not connect the cable's shield conductor to the ground lug or allow the shield conductor to come in contact with the XLR's outer casing.
- Grounding the shield could cause a short circuit and erratic behaviour.

**DMX Signal Connection**

3-Pin XLR to 5-Pin XLR Conversion		
Conductor	3-Pin XLR Female (OUT)	5-Pin XLR Male (IN)
Ground/Shield	Pin 1	Pin 1
Data Compliment (-signal)	Pin 2	Pin 2
Data True (+signal)	Pin 3	Pin 3
Not Used		Pin 4-Do Not Used
Not Used		Pin 5-Do Not Used



# MAINTENANCE

## ***Attention:***

- ※ Periodical to maintain the light
- ※ Check the screw of the spare parts in order to use well
- ※ Clearing the dust and fragments of the inner light, to keep the inner light clearly
- ※ Clearing the lens
- ※ More dust, smoke and granular can cause appearance of the light corrosively, even cause overheated to damage equipment
- ※ Attention: Before take the light apart, please cut the power source.



**CAUTION: Take care using this equipment!  
high voltage-risk of electric shock!!**



## ***Clearing***

- ※ Cutting the power source when the light is cool, to move the cover of the light
- ※ Using the vacuum cleaner or the gas from air compressor to remove the dust of the appearance of the light
- ※ The lens need clearly once every week, otherwise to reduce the bright.
- ※ The fans need clear once every month, to promise the cool effect.
- ※ Clearing the lens must be take care, because the surface of the lens is easy to damage and cutting, and do not use the liquid to clean
- ※ The PCB do not use the liquid to clean, must be keep it dry, to avoid short circuit