

# Instruction Manual

LED Dual Scanner WS-LD019



## IMPORTANT:

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

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 system's life.
- Only use the equipment indoors.
- Do not expose to flammable sources, 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 between 110v/240v.
- Make sure that the power-cable is never crimped or damaged. Check the equipment and the power-cable periodically.

- If the equipment is 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.
- If your product fails to function correctly, discontinue use immediately. Pack the unit securely (preferably in the original packing material), and return it to your Prolight dealer for service.
- 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.
- WARRANTY; One year from date of purchase.



### Technical Specifications:

1. Voltage: AC110-240 Frequency: 50/60 Hz
2. Power: 50W
3. Working mode: DMX, Sound active, Auto run, and Master/Slave.
4. Channel: 6CH
5. Lamp: 5mm LED( R 64, G 40, B24)
6. Color: rainbow colors
7. Control interface: 3-Pin XLP
8. Size: 37.5x22x16cm

### DIP switch

Work in DMX mode, DMX512 standard signals the need to control and set the starting DMX channel DIP switch. Through the No.1 and No.9 switch setting, the lamps 001-511 addresses can be settle, from 1 to 9 of each binary DIP switches have one corresponding decimal number, take following for example:

ON	OFF	Function
	1、 2、 3、 4、 5、 6、 7、 8、 9、 10	Auto Run mode
9	1、 2、 3、 4、 5、 6、 7、 8、 10	Sound active mode
1、 2、 3、 4、 5、 6、 7、 8、 10	9	Master/slave mode
10	1、 2、 3、 4、 5、 6、 7、 8、 9	DMX512

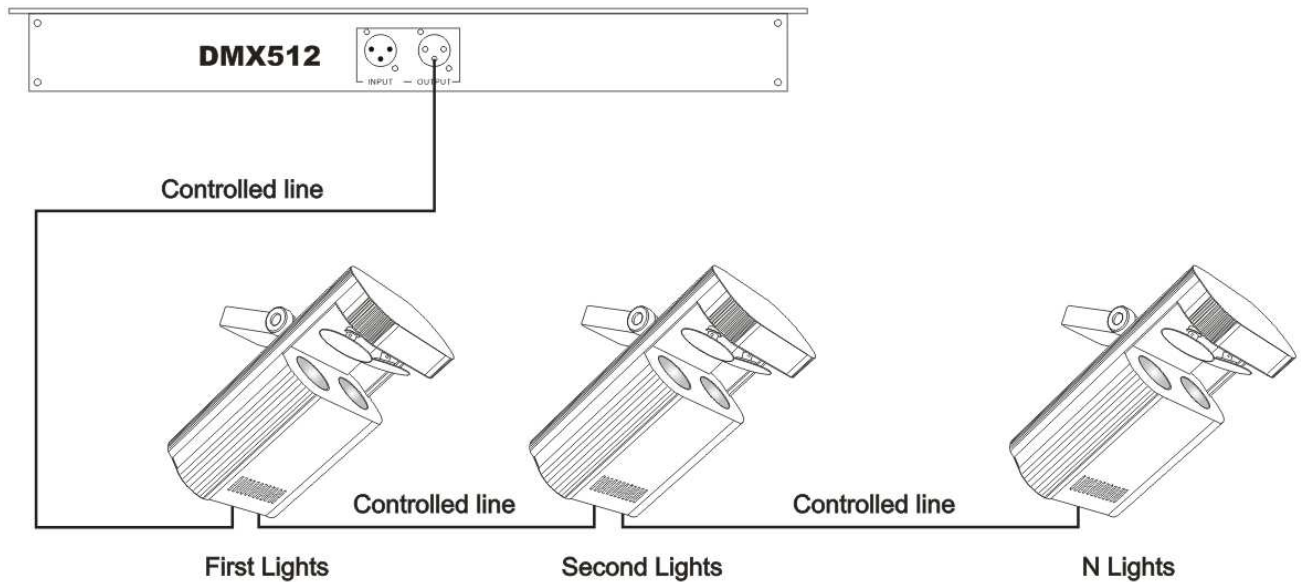
When setting, as long as the sum of decimal number of DIP switch No. is equivalent to the DIP No. you

need, the lamp for the DMX channel control, 8-channel below the fixed interval allocated to the lighting of the DMX512 address, Please refer to:

Light No.	decimal system	binary system	DIP No.
1	1	10000000	#1 to "ON" the rest to "OFF"
2	9	10010000	#1、#4 to "ON" (9=8+1)
3	17	10001000	#1、#5 to "ON" (17=16+1)
.	.		
.	.		
N	$(N-1) * 8 + 1$		

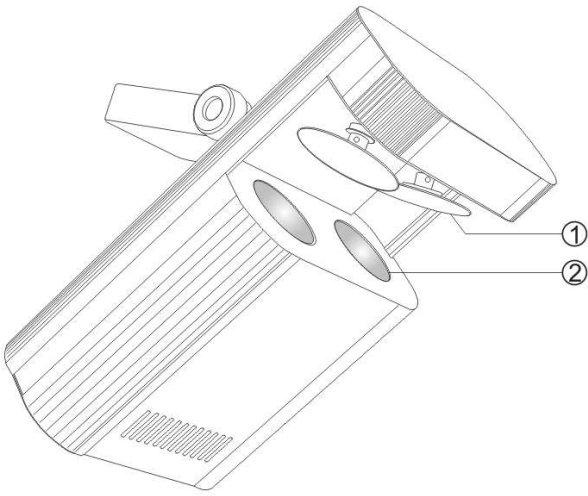
**DMX MODE:**

- 1.Setting mode: DMX mode is controlled by international standards DMX512, When setting DMX mode, the light need to be distributed a DMX channels.
- 2.Control and connecting: Connecting with XLR-XLR line from output of controller to the input of first light, and then connecting from output of first light to the input of second light. As the same steps to the last light. Take follow picture for example:

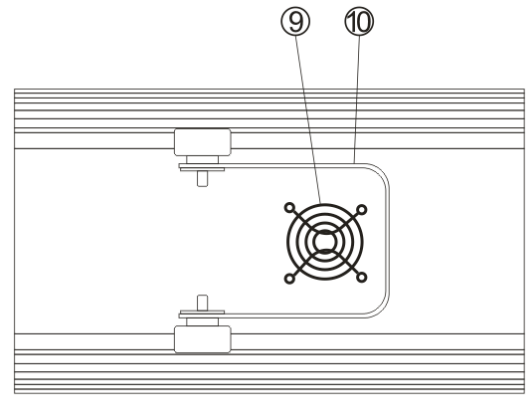


- 3.Before using of DMX512 control, please turn power on the light.  
 Note: Please keep in mind that the signal output of final lamp should be connected to the circuit plug, circuit plug has a 120 ohm resistance between 2 feet and 3 feet, the circuit plus can avoiding signal reflecting phenomenon during DMX 512 transmission.

## Overview



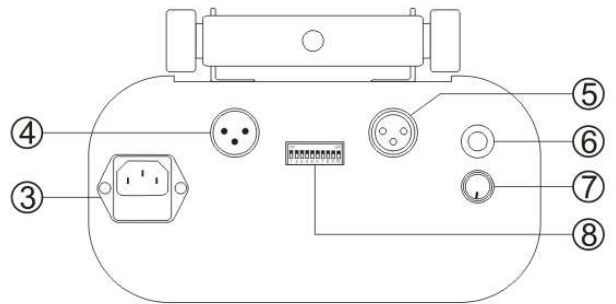
## Front



## Identification

- 1.Mirror
- 2.Lens
- 3.Power
- 4.DMX in
- 5.DMX out
- 6.Microphone
- 7.Sound sensitivity control
- 8.Dipswitches
- 9.Cooling fan
- 10.Hanging bracket

## Back



Channel	Value	Function
1CH	0	Right motor negative rotation
	1-200	Control from 0 to 360 degree
	201-255	Right motor positive rotation
2CH	0	Left motor negative rotation
	1-200	Control from 0 to 360 degree
	201-255	Left motor positive rotation
3CH	0-255	Motor rotating speed (0-fast,255-slow)
4CH	0-255	Right side, fifty optional patterns
5CH	0-255	Left side, fifty optional patterns
6CH	0-255	Gobo rotating speed