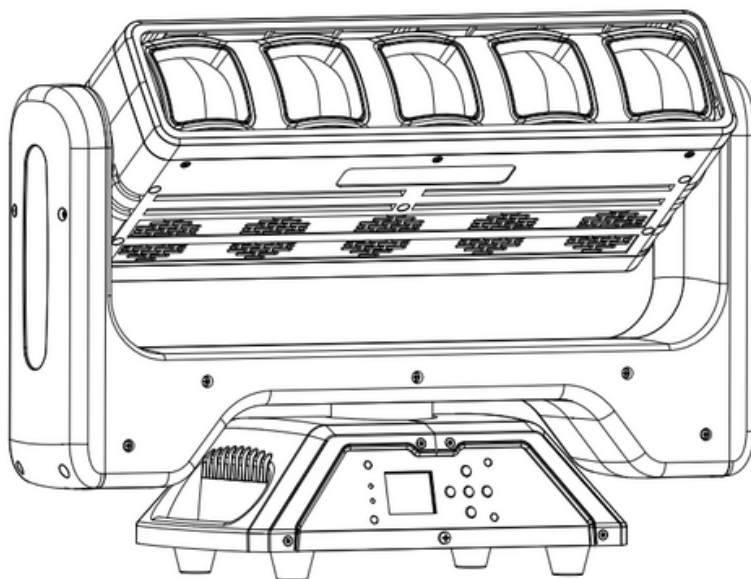


SLS-EF 50X60W ZOOM & STROBE

Model No : SLS-EF 50X60W



Manual de usuario

Please read the instructions carefully before use

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Statement

The product has well capability and intact packing when leave factory. All of the user should comply with warning item and manual, any misuse cause of the damages are not included in our guarantee, and also can't be responsible for any malfunction & problem owing to ignore the manual.

1.Safety Instructions

Please keep this User Guide for future consultation. If you sell the unit to another user, be sure that they also receive this instruction booklet.

- ☐ ☒ Unpack and check carefully there is no transportation damage before using the unit.
- ☐ ☒ Before operating, ensure that the voltage and frequency of power supply match the power requirements of the unit.
- ☐ ☒ It's important to ground the yellow/green conductor to earth in order to avoid electric shock.
- ☐ ☒ The unit is for indoor use only. Use only in a dry location.
- ☐ ☒ The unit must be installed in a location with adequate ventilation, at least 50 cm from adjacent surfaces. Be sure that no ventilation slots are blocked.
- ☐ ☒ Disconnect main power before replacement or servicing.
- ☐ ☒ Make sure there are no flammable materials close to the unit while operating as it is fire hazard.
- ☐ ☒ Use safety cable when fixes this unit. Do not handle the unit by taking its head only, but always by taking its base.
- ☐ ☒ Maximum ambient temperature is Ta: 40°C. Do not operate it where the temperature is higher than this Unit surface temperature may reach up to 85°C. Do not touch the housing bare-hand during its operation. Turn off the power and allow about 15 minutes for the unit to cool down before replacing or serving.
- ☐ ☒ In the event of serious operating problem, stop using the unit immediately. Never try to repair the unit by yourself. Repairs carried out by unskilled people can lead to damage or malfunction. Please contact the nearest authorized technical assistance center. Always use the same type spare parts.
- ☐ Do not touch any wire during operation as high voltage might be causing electric shock.

Warning:

- ☐ To prevent or reduce the risk of electrical shock or fire, do not expose the unit to rain or moisture.
- ☐ Do not open the unit within five minutes after switching off.
- ☐ The housing, the lenses, or the ultraviolet filter must be replaced if they are visibly damaged.

Caution:

There are no user serviceable parts inside the unit. Do not open the housing or attempt any repairs yourself. In the unlikely event your unit may require service, please contact your nearest dealer.

Installation:

The unit should be mounted via its screw holes on the bracket. Always ensure that the unit is firmly fixed to avoid vibration and slipping while operating. And make sure that the structure to which you are attaching the unit is secure and is able to support a weight of 10 times of the unit's weight. Also always use a safety cable that can hold 12 times of the weight of the unit when installing the fixture.

The equipment must be fixed by professionals. And it must be fixed at a place where is out of the touch of people.

2. Technical Specifications

Light Sources: 6070 LEDs 60W * 5. There are 96 7070 LEDs, divided into 12 sections. 5050 LED 72 Beam Angle: 3.5°~ 45° Power Consumption: 500W Power Voltage: AC 100-240V, 50/60Hz Dimension: 530mm×350mm×180mm Net Weight: 11.5 Kgs

Carton package 1in1 size: 3605x470x300mm

Control

DMX Channel: 33/53/59/105 Channel

Control Modes: DMX512/Master-Slave/Auto Run/Music/RDM

Pan/Tilt

Gross weight: 14Kgs

Pan/Tilt: Infinite Rotation

Pan/Tilt Resolution: 8/16 bit

Construction

Display: LCD Display

Data In/Out socket: 3-pin XLR sockets

Power Socket: Power con in/out

Protection Rating: IP20

Features

Motorized liner zoom system, zoom range: 3.5°~45°

Pixels control

Outstanding color macro effect

Dimmer: 0~100% smooth dimming

Variable strobe effects

Fast, quiet operation and flicker free

3.How To Control The Unit

The DMX512 is widely used in intelligent lighting control, with a DMX 512 controller. connect several lights together, dmx in and dmx out, 3 pin XLR connectors: Pin 1: GND, Pin 2: Negative signal (-), Pin 3: Positive signal (+)

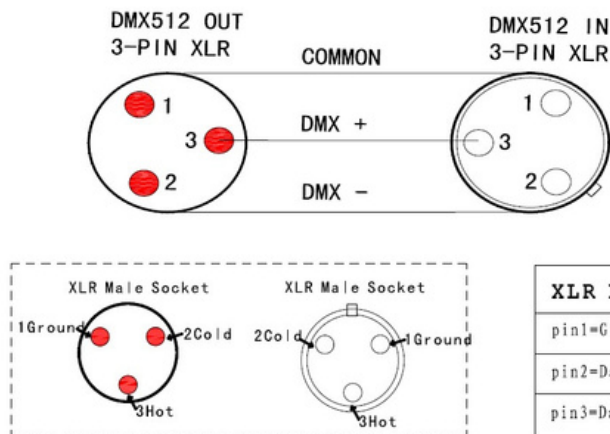


Figure2

Display:



Menu key: enter/return to the main menu

Up key: menu function up selection/parameter increment

Down key: menu function down selection/parameter decrement

Confirm key: select the menu function, and confirm and save when the menu function parameters are modified.

Menu functions

After the whole machine is powered on and reset, press the menu key to enter the main menu (exit after 30 seconds without operation on the main menu interface). See the main menu for details (5 main menu options in total); Press the up or down key to select the main menu, and press the OK key to enter the function parameters of each menu. After modification, press the OK key to save the current function parameters (after saving, there is power-down memory).

Main Menu	Submenu	Menu Function Description
1. System settings 2. Operating mode 3. Manual control Main Menu	1. DMX Address	Modify the DMX address code up or down (the address code can be selected from 001-512), and press OK to save it. The default is 001.
	2. Encoder	Modify the encoder on/off upward or downward, and save the confirmation key, which is on by default.
	3.X Reverse	Modify X up or down to turn it on/off. Press OK to save it. It is off by default.
	4.Y Reverse	Modify Y upward or downward to turn it on/off. Press OK to save. It is closed by default.
1. System settings 2. Operating mode	1. Operating mode	Select up or down the operation mode DMX/voice control/auto, confirm to save, default DMX.
	2. Channel selection	Select channels CH33, CH53, CH69, CH105 up or down, and press OK to save. The default is CH33.
3. Manual control	1.X axis	Modify the operating parameter value of X motor up or down (adjustable range 000-255), and press OK to save it. The default value is 000.
	2.X Rotation	Modify the X rotation parameter value up or down (adjustable range 000-255), and press OK to save.

		The default value is 000. Modify the operating
3.X axis fine adjustment		parameter value of the X fine tuning motor up or down (adjustable range 000-255), and save the confirmation key. The default value is 128.
4.Y axis		Modify the Y axis parameter value up or down (adjustable range 000-255), and press OK to save. The default value is 128.
5.Y Rotation		Modify Y rotation parameter value up or down (adjustable range 000-255), and press OK to save. The default value is 000.
6. Y-axis fine adjustment		Modify Y fine-tuning parameter value up or down (adjustable range 000-255), and press OK to save. The default value is 000.
7.XY speed		Modify the XY speed parameter value up or down (adjustable range 000-255), and press OK to save. The default value is 000.
8. Focusing		Modify the focusing value up or down (adjustable range 000-255), and press the OK key to save. The default is 000.
9. General dimming		Modify the total dimming value up or down (adjustable range 000-255), and press OK to save. The default value is 255.
10. A Dimming		Modify the dimming value up or down (adjustable range 000-255), and press OK to save. The default value is 255.
11. A Strobe		Modify the stroboscopic value up or down (adjustable range 000-255), and press OK to save. The default value is 000.
12. A Red		Modify the brightness of the red lamp bead up or down (adjustable range 000-255), and press OK to save. The default value is 255.

13. A Green	Modify the brightness of the green lamp bead up or down (adjustable range 000-255), and press OK to save. The default value is 255. Modify the brightness of
14. A Blue	the blue lamp bead up or down (adjustable range 000-255), and press OK to save. The default value is 255. Modify the brightness of
15. A White	white lamp beads up or down (adjustable range 000-255), and press OK to save. The default value is 255. Modify the mode parameter value up or down
16. Mode A	(adjustable range 000-255), and press OK to save. The default value is 000. Modify the speed parameter value up or down (adjustable range 000-255), and
17. A Speed	press OK to save. The default value is 000. Modify the background color parameter value up or down (adjustable range 000-255), and press OK to
18. A Background color	save. The default value is 000. Modify the background tone light parameter value up or down (adjustable range 000-255), and press OK to save. The default
19. A Background tone light	value is 000. Modify the dimming value up or down (adjustable range 000-255), and press OK to save. The default
20. B Dimming	value is 255. Modify the stroboscopic value up or down (adjustable range 000-255), and press OK to save. The default value is 000. Modify the mode parameter value
21. B stroboscopic	up or down (adjustable range 000-255), and press OK to save. The default value is 000. Modify the speed parameter value up or down (adjustable range 000-255), and
22. Mode B	press OK to save.
23. Speed B	

		The default value is 000. Modify the dimming value up
24.C dimming		or down (adjustable range 000-255), and press OK to save. The default value is 255. Modify the stroboscopic value up or down (adjustable range 000-255), and
25. C stroboscopic		press OK to save. The default value is 000. Modify the brightness of the red lamp bead up or down (adjustable range 000-255), and press OK to save. The default
26.C red		value is 255. Modify the brightness of the green lamp bead up or down (adjustable range 000-255), and press OK to save. The default value is 255. Modify the
27.C green		brightness of the blue lamp bead up or down (adjustable range 000-255), and press OK to save. The default value is 255. Modify the mode parameter value
28.C Blue		up or down (adjustable range 000-255), and press OK to save. The default value is 000. Modify the speed parameter value up or down (adjustable range 000-
29.Mode C		255), and press OK to save. The default value is 000. Modify the background color parameter value up or down (adjustable range 000-255), and press OK to
30.C speed		save. The default value is 000. Modify the background tone light parameter value up or down (adjustable range 000-255), and press OK to save. The default
31. C background color		value is 000. When the parameter value is 150-255, the whole machine is reset. The console parameter value must be pulled below 10 and then pushed to 150-255 to
32. C background tone light		be useful. When the parameter value is 000-149, it is
33、reset		

		useless and cannot be reset. Select Chinese/EN	
4、Display Settings	1. Language selection	(English) up or down, and click OK to save. The default is Chinese.	
	2. Invert Settings	Select up or down to close/open the inverted display setting, and press OK to save it. It is closed by default.	
	3. Screen saver	Select Close/Open the screen saver up or down, and press the Enter key to save it. It is enabled by default.	
	4. Software version	06XA program ID, which cannot be modified.	
5.Factory Settings	Please enter password for display! Change it up or down to 138, and then press the OK key to enter the factory setting.	1. X axis calibration	Modify the parameters up or down (range 000-255), and press OK to save. The default value is 128.
		2. Y-axis calibration	Modify the parameters up or down (range 000-255), and press OK to save. The default value is 128.
		2. X-axis non-polar	Modify X stepless parameter up or down (range 000-255), and press OK to save. The default value is 128.
		2. Y-axis non-polar	Modify Y stepless parameter up or down (range 000-255), and press OK to save. The default value is 128.
		3. Focus calibration	Modify the parameters up or down (range 000-255), and press OK to save. The default value is 128.
		2. Focus stroke	Modify the parameters up or down (range 000-255), and press OK to save. The default value is 128.
		5.Red	Modify the red lamp bead current (032-255) upward or downward, and press OK to save. The default is 252.
		6.Green	Modify the green lamp bead current (032-255) upward or downward, and

			press OK to save. The default is 252.
		7. Blue	Modify the blue lamp bead current (032-255) upward or downward, and press OK to save. The default is 252. Modify the
		8. White	white lamp bead current (032-255) upward or downward, and press OK to save. The default is 252. Modify the
		2. White 3W	white 3W lamp bead current (032-255) upward or downward, and press OK to save. The default is 252. Modify the X
		9. X-axis speed	speed parameter up or down (range 000-255), and press OK to save. The default is 116. Modify Y speed parameter up or
		2. Y-axis speed	down (range 000-255), and press OK to save. The default is 128. Select 000/001 up or down, and press OK to save. The
		2、Logo	default is 000. Modify the temperature parameters up
		2. Temperature	or down (range 40-70), and press OK to save. The default is 060. Select the off/on temperature fan control
		2. Temperature - Fan	upward or downward, and press the OK key to save it. It is off by default. LED selection default LEDA
		2、LED	Select 000/007 up or down, and press
		10. Current	OK to save. The default is 000. Select 000/001 up or down, and press OK to
		11、Logo	save. The default is 000. Modify the temperature parameters up
		12. Temperature	or down (range 40-70), and press OK to save. The default is 065.

		13. Temperatur e - Fan	Select the off/on temperature fan control upward or downward, and the confirmation key is saved. The default is on.
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4.DMX Channels

The address codes of all lamps are set. All lamps are connected to DMX512 console in parallel with DMX three core signal lines. The address code stops flashing, indicating that DMX512 console signals have been sent to lamps. DMX512 console is used to control relevant functions according to channel instructions. Special attention: 1. Only one host can be set for a group of lamps. If there are multiple hosts, all lamps will flash randomly and not synchronize.

CH33Channel Description :

passage way	Channel value	basic function
1	000-255	X axis
2	000-255	X-axis non-polar
3	000-255	X Trim
4	000-255	Y axis
5	000-255	Y-axis non-polar
6	000-255	Y Trim
7	000-255	XY speed
8	000-255	focusing
9	000-255	Total dimming (AB side)
10	000-255	RGBW dimming (A-side)
11	000-255	RGBW strobe (A-side)
12	000-255	Red (Side A)

13	000-255	Green (Side A)
14	000-255	Blue (Side A)
15	000-255	White (Side A)
16	000-255	RGBW mode (A-side)
17	000-255	RGBW speed (A-side)
18	000-255	Background color (side A)
19	000-255	Background tone light (side A)
20	000-255	White 1 (Side B)
21	000-255	White 1 strobe (B side)
22	000-255	White 1 mode (B side)
23	000-255	White 1 speed (B side)
24	000-255	Red 1 green 1 blue 1 dimming (auxiliary light) (side B)
25	000-255	Red 1 green 1 blue 1 strobe (secondary light) (side B)
26	000-255	Red 1 (auxiliary light) (side B)
27	000-255	Green 1 (secondary light) (side B)
28	000-255	Blue 1 (secondary light) (side B)
29	000-255	Red 1 green 1 blue 1 mode (secondary light) (side B)
30	000-255	Red 1 green 1 blue 1 speed (secondary light) (side B)
31	000-255	Background color (secondary light) (side B)
32	000-255	Background tone light (auxiliary light) (side B)
33	000-255	Reset: When the parameter value is 150-255, the whole machine will be reset. The console parameter value must be pulled below 10 and then pushed to 150-255 to be useful. When the parameter value is 000-149, it is useless and cannot be reset.

CH53Channel Description :

passage way	Channel value	basic function
1	000-255	X axis

2	000-255	X-axis non-polar
3	000-255	X Trim
4	000-255	Y axis
5	000-255	Y-axis non-polar
6	000-255	Y-axis fine adjustment
7	000-255	XY speed
8	000-255	focusing
9	000-255	Total dimming (AB side)
10	000-255	RGBW dimming (A-side)
11	000-255	RGBW strobe (A-side)
12	000-255	Red (Side A)
13	000-255	Green (Side A)
14	000-255	Blue (Side A)
15	000-255	White (Side A)
16	000-255	RGBW mode (A-side)
17	000-255	RGBW speed (A-side)
18	000-255	RGB background color (A side)
19	000-255	RGB background tone light (A-side)
20	000-255	White dimming (side B)
21	000-255	White strobe (side B)
22	000-255	White mode (side B)
23	000-255	White speed (side B)
24	000-255	RGB dimming
25	000-255	RGB strobe
26	000-255	red
27	000-255	green
28	000-255	blue
29	000-255	RGB mode
30	000-255	RGB speed
31	000-255	RGB background color

32	000-255	RGB background tone light Reset: When the parameter value is
33	000-255	150-255, the whole machine will be reset. The console parameter value must be pulled below 10 and then pushed to 150-255 to be useful. When the parameter value is 000-149, it is useless and cannot be reset. Red 1 (Side A) Green 1 (Side A) Blue 1 (Side A) White 1 (Side A)
34	000-255	...
35	000-255	
36	000-255	
37	000-255	
...	...	
50	000-255	Red 5 (Side A)
51	000-255	Green 5 (Side A)
52	000-255	Blue 5 (Side A)
53	000-255	White 5 (Side A)

CH69Channel Description :

passage way	Channel value	basic function
1	000-255	X axis
2	000-255	X-axis non-polar
3	000-255	X Trim
4	000-255	Y axis
5	000-255	Y-axis non-polar
6	000-255	Y-axis fine adjustment
7	000-255	XY speed
8	000-255	focusing
9	000-255	Total dimming (AB side)

10	000-255	RGBW dimming (A-side)
11	000-255	RGBW strobe (A-side)
12	000-255	Red (Side A)
13	000-255	Green (Side A)
14	000-255	Blue (Side A)
15	000-255	White (Side A)
16	000-255	RGBW mode (A-side)
17	000-255	RGBW speed (A-side)
18	000-255	RGB background color (A side)
19	000-255	RGB background tone light (A-side)
20	000-255	White dimming (side B)
21	000-255	White strobe (side B)
22	000-255	White mode (side B)
23	000-255	White speed (side B)
24	000-255	RGB dimming
25	000-255	RGB strobe
26	000-255	red
27	000-255	green
28	000-255	blue
29	000-255	RGB mode
30	000-255	RGB speed
31	000-255	RGB background color
32	000-255	RGB background tone light
33	000-255	Reset: When the parameter value is 150-255, the whole machine will be reset. The console parameter value must be pulled below 10 and then pushed to 150-255 to be useful. When the parameter value is 000-149, it is useless and cannot be reset.
34	000-255	Red 1 (Side A)
35	000-255	Green 1 (Side A)

36	000-255	Blue 1 (Side A)
37	000-255	White 1 (Side A)
...	...	...
50	000-255	Red 5 (Side A)
51	000-255	Green 5 (Side A)
52	000-255	Blue 5 (Side A)
53	000-255	White 5 (Side A) 1
54	000-255	White (Side B)
...	...	...
69	000-255	16 White (Side B)

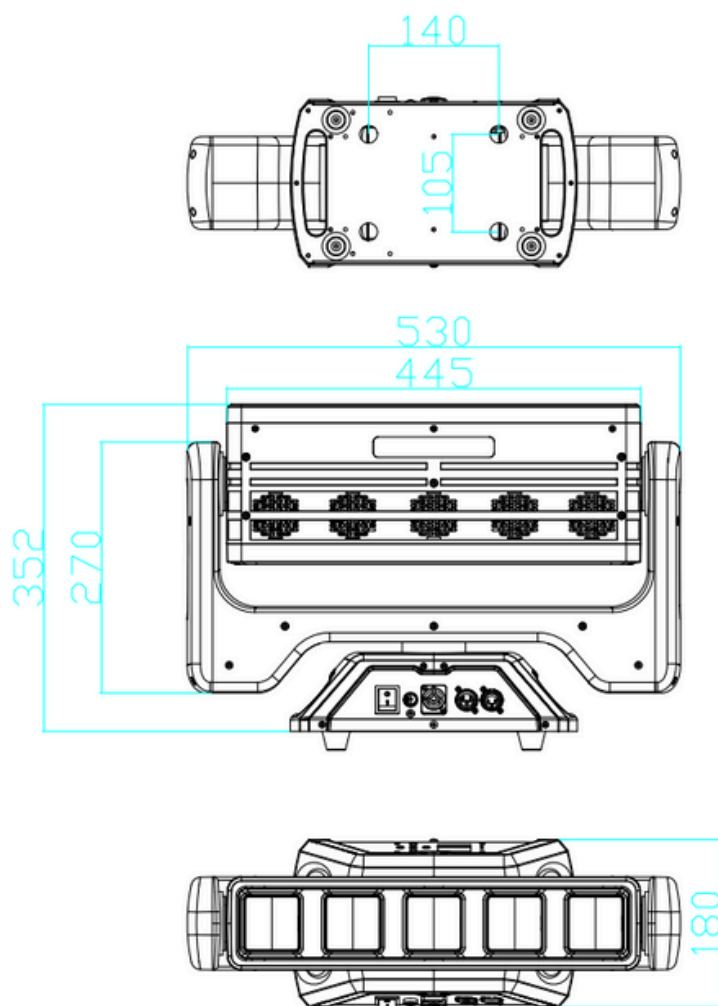
CH104Channel Description :

passage way	Channel value	basic function
1	000-255	X axis
2	000-255	X-axis non-polar
3	000-255	X Trim
4	000-255	Y axis
5	000-255	Y-axis non-polar
6	000-255	Y-axis fine adjustment
7	000-255	XY speed
8	000-255	focusing
9	000-255	Total dimming (AB side)
10	000-255	RGBW dimming (A-side)
11	000-255	RGBW strobe (A-side)
12	000-255	Red (Side A)

13	000-255	Green (Side A)
14	000-255	Blue (Side A)
15	000-255	White (Side A)
16	000-255	RGBW mode (A-side)
17	000-255	RGBW speed (A-side)
18	000-255	RGB background color (A side)
19	000-255	RGB background tone light (A-side)
20	000-255	White dimming (side B)
21	000-255	White strobe (side B)
22	000-255	White mode (side B)
23	000-255	White speed (side B)
24	000-255	RGB dimming
25	000-255	RGB strobe
26	000-255	red
27	000-255	green
28	000-255	blue
29	000-255	RGB mode
30	000-255	RGB speed
31	000-255	RGB background color
32	000-255	RGB background tone light
33	000-255	Reset: When the parameter value is 150-255, the whole machine will be reset. The console parameter value must be pulled below 10 and then pushed to 150-255 to be useful. When the parameter value is 000-149, it is useless and cannot be reset.
		Red 1 (Side A)
34	000-255	Green 1 (Side A)
35	000-255	Blue 1 (Side A)
36	000-255	White 1 (Side A)
37	000-255	

		
50	000-255	Red 5 (Side A)
51	000-255	Green 5 (Side A)
52	000-255	Blue 5 (Side A)
53	000-255	White 5 (Side A) 1
54	000-255	White (Side B)
		
69	000-255	16 White (Side B)
70	000-255	Red 1 (Side B)
71	000-255	Green 1 (Side B)
72	000-255	Blue 1 (Side B)
		
103	000-255	Red 12 (Side B)
104	000-255	Green 12 (Side B)
105	000-255	Blue 12 (Side B)

6.Shape



7.Trouble shooting

Following are a few common problems that may occur during operation. Here are

some suggestions for easy troubleshooting:

A.The unit does not work, no light and the fan does not work

- 1.Check the connection of power and main fuse.
- 2.Measure the mains voltage on the main connector.
- 3.Check the power on LED.

B.Not responding to DMX controller

- 1.DMX LED should be on. If not, check DMX connectors, cables to see if link properly.
- 2.If the DMX LED is on and no response to the channel, check the address settings and DMX polarity.
- 3.If you have intermittent DMX signal problems, check the pins on connectors or on PCB of the unit or the previous one.
- 4.Try to use another DMX controller.
- 5.Check if the DMX cables run near or run alongside to high voltage cables that may cause damage or interference to DMX interface circuit.

C.One of the channels is not working well

- 1.The stepper motor might be damaged or the cable connected to the PCB is broken.
- 2.The motor's drive IC on the PCB might be out of condition.

3.Fixture Cleaning

The cleaning of internal and external optical lenses and/or mirrors must be carried out periodically to optimize light output. Cleaning frequency depends on the

environment in which the fixture operates: damp, smoky or particularly dirty surrounding can cause greater accumulation of dirt on the unit's optics.

☒ Clean with soft cloth using normal glass cleaning fluid.

☒ Always dry the parts carefully.

☒ Clean the external optics at least every 20 days. Clean the internal optics at least every 30/60 days.



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