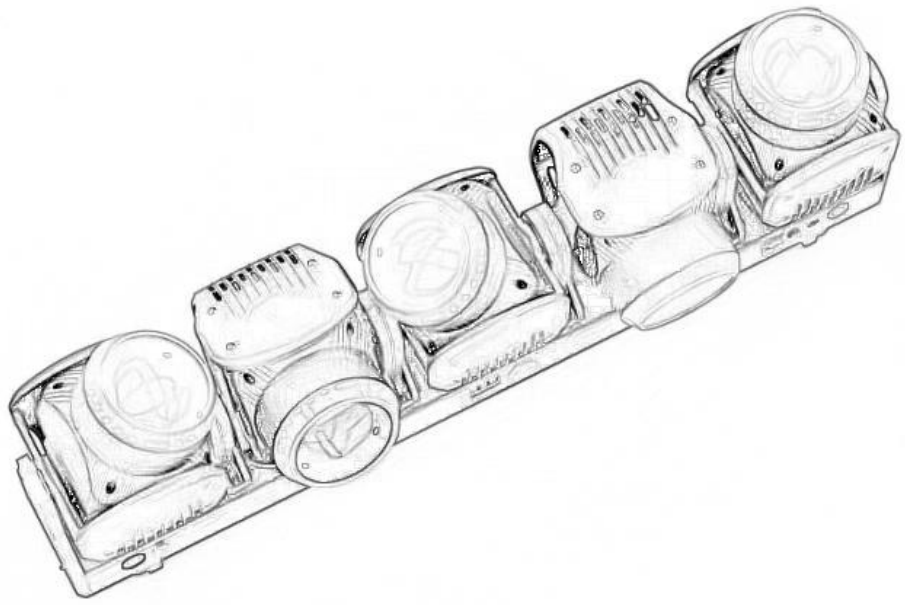
lighting PLUS

User manual



PIX-B600

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 not 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 50cm 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℃. DO NOT operate it where the temperature is higher than this Unit surface temperature may reach up to 85℃. 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.

•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.

•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

Voltage: AC100~240V 50/60HZ
Power: 800W
LED source: LED source: 5x120W RGBL 4in1 Led; strip:120X0.5W RGB 3in1 Led
Beam angle: 4-35°
Tilt range: 225° ; Pan:62°
Control mode: DMX512, self-propelled, master-slave, voice control and RDM function.
Channels: CH41,CH71
Dimming: 32bit 0~100% linear dimming
Features: single swing+wash +beam
Working temperature: -30 ~50℃
Strobe frequency: 1~30HZ
Appearance: metal, black
Connection mode: DMX512 input/output/power input/output.
IP grade: IP20
Size: 101.1 x 35.5x 18.4cm
Net weight: 23.05kgs

3.Control Menu



Menu key:Enter/return to the main menu
Up key: menu function up selection/parameter increment
Down key:menu function selection down/parameter decrease
Confirm key: Select the menu function and make a confirmation and save when modifying the menu function parameters.

Primary menu	Sub menu	Description
1. System Settings	1. DMX address	Modify the DMX address code up or down (the optional range of address code is 001-512), and press the Enter key to save. The default value is 001.
	2. Y inversion	Modify Y-turn on/off up or down, and confirm to save, which is closed by default.
	3. No signal	clear
	4. Advanced Settings	
2. Operation mode	1. Operation mode	Select the running mode DMX/ Voice Control/Auto up or down, and press the Enter key to save. The default DMX is selected.
	2. Channel selection	Select the confirmation key of channel CH20.ch169a.ch169b.ch53.ch101.ch155.ch179 up or down to save. The default is ch20.
	3、Y	Modify the operating parameter value of Y motor up or down (adjustable range: 000-255), and press the Enter key to save; the default value is 128.
	4. y speed	Modify the operating parameter value of Y motor speed up or down (adjustable range: 000-255), and press the Enter key to save; the default value is 128.
	5. y mode	Modify the parameter value of Y mode up or down (adjustable range: 000-255), and press the Enter key to save; the default value is 128.
	6, Y mode amplitude	Modify the Y mode amplitude parameter value up or down (adjustable range 000-255), and press the Enter key to save;

2. Operation mode		the default value is 128.	
	7, focusing	Modify the operation parameter value of the focusing motor up or down (adjustable range 000-255), and press the Enter key to save, and the default value is 255.	
	8. Total dimming	Modify the dimming parameter value up or down (adjustable range: 000-255), and press the Enter key to save; the default value is 255.	
	9, stroboscopic	Modify the strobe parameter value up or down (adjustable range 000-255), and press the Enter key to save. The default value is 000.	
	10. Red	Modify the brightness of the red light bulb up or down (adjustable range 000-255), and press the Enter key to save; the default value is 255.	
	11. Green	Modify the brightness of the green light bulb up or down (adjustable range 000-255), and press the Enter key to save; the default value is 255.	
	12. Blue	Modify the brightness of the blue bulb up or down (adjustable range 000-255), and press the Enter key to save, and the default value is 255.	
	13. White	Modify the brightness of the white lamp bead up or down (adjustable range 000-255), and press the Enter key to save, and the default value is 255.	
	14. Mode	Modify the mode parameter value up or down (adjustable range: 000-255), and press the Enter key to save; the default value is 255.	
	15. Speed	Modify the speed parameter value up or down (adjustable range 000-255), and press the Enter key to save, and the default value is 255.	
	16. Background color	Modify the background color parameter value up or down (adjustable range: 000-255), and press OK to save; the default value is 255.	
	17, background color light	Modify the background tone light parameter value up or down (adjustable range: 000-255), and press the Enter key to save; the default value is 255.	
	18, reset	Yes/no	
4. Display settings	1. Language choice	Select Chinese /EN (English) up or down, and press the Enter key to save. The default is Chinese.	
	2. Inverted display settings	Select up or down to turn off/on the reverse display setting, and press the Enter key to save, which is turned off by default.	
	3. Screen protection	Select Close/Open Screen Saver up or down, and confirm to save, which is turned on by default.	
	4. Software version	04XZ	
5. Factory Settings		1. Y1 axis calibration	Modify the parameter up or down (range 000-255), and confirm to save it. The default value is 128.

5.Factory Settings	Please enter the password for display! Change it to 138 up or down, and then press the Enter key to enter the factory settings.	2. F1 axis calibration	Modify the parameter up or down (range 000-255), and confirm to save it. The default value is 128.
		3. Y2 axis calibration	Modify the parameter up or down (range 000-255), and confirm to save it. The default value is 128.
		4. F2 axis calibration	Modify the parameter up or down (range 000-255), and confirm to save it. The default value is 128.
		5, Y3 axis calibration	Modify the parameter up or down (range 000-255), and confirm to save it. The default value is 128.
		6, F3 axis calibration	Modify the parameter up or down (range 000-255), and confirm to save it. The default value is 128.
		7. Y4 axis calibration	Modify the parameter up or down (range 000-255), and confirm to save it. The default value is 128.
		8, F4 axis calibration	Modify the parameter up or down (range 000-255), and confirm to save it. The default value is 128.
		9. Y5 axis calibration	Modify the parameter up or down (range 000-255), and confirm to save it. The default value is 128.
		10, F5 axis calibration	Modify the parameter up or down (range 000-255), and confirm to save it. The default value is 128.
		11, Y6 axis calibration	Modify the parameter up or down (range 000-255), and confirm to save it. The default value is 128.
		12, F6 axis calibration	Modify the parameter up or down (range 000-255), and confirm to save it. The default value is 128.
		13, Y7 axis calibration	Modify the parameter up or down (range 000-255), and confirm to save it. The default value is 128.
		14, F7 axis calibration	Modify the parameter up or down (range 000-255), and confirm to save it. The default value is 128.
		15, Y8 axis calibration	Modify the parameter up or down (range 000-255), and confirm to save it. The default value is 128.
		16, F8 axis calibration	Modify the parameter up or down (range 000-255), and confirm to save it. The default value is 128.
		17, Y9 axis calibration	Modify the parameter up or down (range 000-255), and confirm to save it. The default

5.Factory Settings	Please enter the password for display! Change it to 138 up or down, and then press the Enter key to enter the factory settings.		value is 128.
		18, F9 axis calibration	Modify the parameter up or down (range 000-255), and confirm to save it. The default value is 128.
		19, Y10 axis calibration	Modify the parameter up or down (range 000-255), and confirm to save it. The default value is 128.
		20, F10 axis calibration	Modify the parameter up or down (range 000-255), and confirm to save it. The default value is 128.
		21, Y11 axis calibration	Modify the parameter up or down (range 000-255), and confirm to save it. The default value is 128.
		22. F11 axis calibration	Modify the parameter up or down (range 000-255), and confirm to save it. The default value is 128.
		23, Y12 axis calibration	Modify the parameter up or down (range 000-255), and confirm to save it. The default value is 128.
		24, F12 axis calibration	Modify the parameter up or down (range 000-255), and confirm to save it. The default value is 128.
		25. Y-axis travel	Modify the Y-stroke parameter (range 000-255) up or down, and press the Enter key to save. The default value is 128.
		26, focusing stroke	Modify the focusing stroke parameters up or down (range 000-255), and press the Enter key to save, and the default value is 128.
		27. Red	Modify the parameters up or down (range 000-255), and press the Enter key to save; the default value is 255.
		28. Green	Modify the parameters up or down (range 000-255), and press the Enter key to save; the default value is 255.
		29, blue	Modify the parameters up or down (range 000-255), and press the Enter key to save; the default value is 255.
		30, white	Modify the parameters up or down (range 000-255), and press the Enter key to save; the default value is 255.
		31. Red	Modify the parameters up or down (range 000-255), and press the Enter key to save; the default value is 255.
		32. Green	Modify the parameters up or down (range 000-255), and press the Enter key to save; the default value is 255.
		33. Blue	Modify the parameters up or down (range

5.Factory Settings	Please enter the password for display! Change it to 138 up or down, and then press the Enter key to enter the factory settings.		000-255), and press the Enter key to save; the default value is 255.
		34. White	Modify the parameters up or down (range 000-255), and press the Enter key to save; the default value is 255.
		35. Red	Modify the parameters up or down (range 000-255), and press the Enter key to save; the default value is 255.
		36. Green	Modify the parameters up or down (range 000-255), and press the Enter key to save; the default value is 255.
		37. Blue	Modify the parameters up or down (range 000-255), and press the Enter key to save; the default value is 255.
		38. White	Modify the parameters up or down (range 000-255), and press the Enter key to save; the default value is 255.
		39. Red	Modify the parameters up or down (range 000-255), and press the Enter key to save; the default value is 255.
		40. Green	Modify the parameters up or down (range 000-255), and press the Enter key to save; the default value is 255.
		41. Blue	Modify the parameters up or down (range 000-255), and press the Enter key to save; the default value is 255.
		42, white	Modify the parameters up or down (range 000-255), and press the Enter key to save; the default value is 255.
		43. Red	Modify the parameters up or down (range 000-255), and press the Enter key to save; the default value is 255.
		44. Green	Modify the parameters up or down (range 000-255), and press the Enter key to save; the default value is 255.
		45, blue	Modify the parameters up or down (range 000-255), and press the Enter key to save; the default value is 255.
		46, white	Modify the parameters up or down (range 000-255), and press the Enter key to save; the default value is 255.
		47. Red	Modify the parameters up or down (range 000-255), and press the Enter key to save; the default value is 255.
		48. Green	Modify the parameters up or down (range 000-255), and press the Enter key to save; the default value is 255.

5.Factory Settings	Please enter the password for display! Change it to 138 up or down, and then press the Enter key to enter the factory settings.	49. Blue	Modify the parameters up or down (range 000-255), and press the Enter key to save; the default value is 255.
		50, white	Modify the parameters up or down (range 000-255), and press the Enter key to save; the default value is 255.
		51. Red	Modify the parameters up or down (range 000-255), and press the Enter key to save; the default value is 255.
		52. Green	Modify the parameters up or down (range 000-255), and press the Enter key to save; the default value is 255.
		53, blue	Modify the parameters up or down (range 000-255), and press the Enter key to save; the default value is 255.
		54, white	Modify the parameters up or down (range 000-255), and press the Enter key to save; the default value is 255.
		55. Red	Modify the parameters up or down (range 000-255), and press the Enter key to save; the default value is 255.
		56. Green	Modify the parameters up or down (range 000-255), and press the Enter key to save; the default value is 255.
		57. Blue	Modify the parameters up or down (range 000-255), and press the Enter key to save; the default value is 255.
		58, white	Modify the parameters up or down (range 000-255), and press the Enter key to save; the default value is 255.
		59. Red	Modify the parameters up or down (range 000-255), and press the Enter key to save; the default value is 255.
		60. Green	Modify the parameters up or down (range 000-255), and press the Enter key to save; the default value is 255.
		61. Blue	Modify the parameters up or down (range 000-255), and press the Enter key to save; the default value is 255.
		62, white	Modify the parameters up or down (range 000-255), and press the Enter key to save; the default value is 255.
		63. Red	Modify the parameters up or down (range 000-255), and press the Enter key to save; the default value is 255.
		64. Green	Modify the parameters up or down (range 000-255), and press the Enter key to save;

5.Factory Settings	Please enter the password for display! Change it to 138 up or down, and then press the Enter key to enter the factory settings.		the default value is 255.
		65. Blue	Modify the parameters up or down (range 000-255), and press the Enter key to save; the default value is 255.
		66, white	Modify the parameters up or down (range 000-255), and press the Enter key to save; the default value is 255.
		67. Red	Modify the parameters up or down (range 000-255), and press the Enter key to save; the default value is 255.
		68. Green	Modify the parameters up or down (range 000-255), and press the Enter key to save; the default value is 255.
		69. Blue	Modify the parameters up or down (range 000-255), and press the Enter key to save; the default value is 255.
		70, white	Modify the parameters up or down (range 000-255), and press the Enter key to save; the default value is 255.
		71. Red	Modify the parameters up or down (range 000-255), and press the Enter key to save; the default value is 255.
		72. Green	Modify the parameters up or down (range 000-255), and press the Enter key to save; the default value is 255.
		73. Blue	Modify the parameters up or down (range 000-255), and press the Enter key to save; the default value is 255.
		74, white	Modify the parameters up or down (range 000-255), and press the Enter key to save; the default value is 255.
		75. LED direction	Modify the LED direction parameter (range 000-255) up or down, and confirm to save it. The default value is 000.
		76. Current	Modify the current parameter (range 000-255) up or down, and press the OK key to save, and the default value is 230.
		77.LOGO	LOGO switching
		78. Temperature	Temperature modification. Default is 45.
		79,temperature control-fan	On/off
		80.LED	LED sequential switching
		81. YF direction	Modify the YF direction parameter (range 000-255) up or down, and press OK to save. The default value is 000.

4.DMX Channels

41CH

Channel	Value	Function
1	000-255	X1
2	000-255	X1 fine tuning
3	000-255	Y1
4	000-255	Y1 fine tuning
5	000-255	Zoom 1
6	000-255	X2
7	000-255	X2 fine tuning
8	000-255	Y2
9	000-255	Y2 fine tuning
10	000-255	Zoom 2
11	000-255	X3
12	000-255	X3 fine tuning
13	000-255	Y3
14	000-255	Y3 fine tuning
15	000-255	Zoom 3
16	000-255	X4
17	000-255	X4 fine tuning
18	000-255	Y4
19	000-255	Y4 fine tuning
20	000-255	Zoom 4
21	000-255	X5
22	000-255	X5 fine tuning
23	000-255	Y5
24	000-255	Y5 fine tuning
25	000-255	Zoom 5
26	000-255	Main light-red
27	000-255	Main light-green
28	000-255	Main light-blue
29	000-255	Main light-lemon
30	000-255	Principal light-color temperature
31	000-255	Main light-color
32	000-255	Auxiliary light-red
33	000-255	Auxiliary light-green
34	000-255	Auxiliary light-blue
35	000-255	Auxiliary light-effect-speed
36	000-255	Total dimming
37	000-255	Total dimming and fine tuning
38	000-255	Main light-stroboscopic

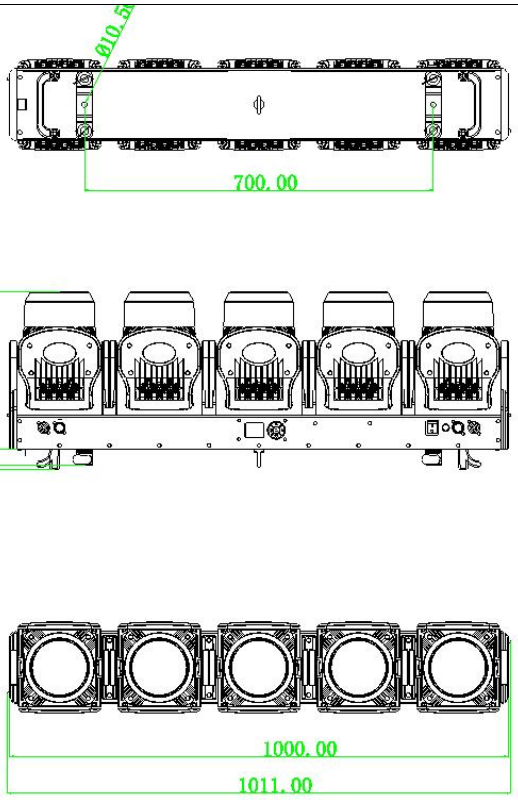
39	000-255	Auxiliary light-stroboscopic
40	000-255	XY speed
41	000-255	specific function

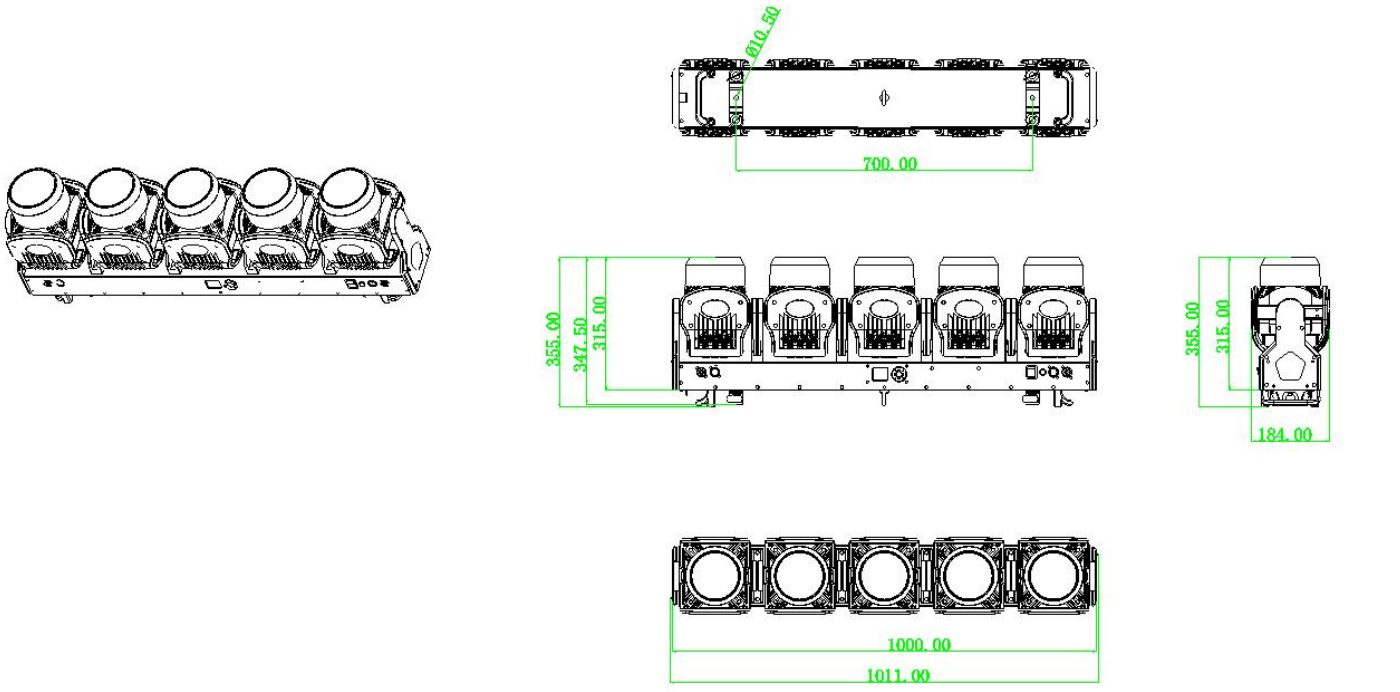
71CH

Channel	Value	Function
1	000-255	X1
2	000-255	X1 fine tuning
3	000-255	Y1
4	000-255	Y1 fine tuning
5	000-255	Main light 1 red
6	000-255	Main light 1 green
7	000-255	Main light 1 blue
8	000-255	Main light 1 lemon
9	000-255	Zoom 1
10	000-255	Auxiliary light 1 red
11	000-255	Auxiliary light 1 green
12	000-255	Auxiliary light 1 blue
13	000-255	Auxiliary light 1 effect-speed
14	000-255	X2
15	000-255	X2 fine tuning
16	000-255	Y2
17	000-255	Y2 fine tuning
18	000-255	Main light 2 red
19	000-255	Main light 2 green
20	000-255	Main light 2 blue
21	000-255	Main light 2 lemon
22	000-255	Zoom 2
23	000-255	Auxiliary light 2 red
24	000-255	Auxiliary light 2 green
25	000-255	Auxiliary light 2 blue
26	000-255	Auxiliary light 2 effect-speed
27	000-255	X3
28	000-255	X3 fine tuning
29	000-255	Y3
30	000-255	Y3 fine tuning
31	000-255	Main light 3 red
32	000-255	Main light 3 green
33	000-255	Main light 3 blue
34	000-255	Main light 3 lemon
35	000-255	Zoom 3
36	000-255	Auxiliary light 3 red
37	000-255	Auxiliary light 3 green

38	000-255	Auxiliary light 3 blue
39	000-255	Auxiliary light 3 effect-speed
40	000-255	X4
41	000-255	X4 fine tuning
42	000-255	Y4
43	000-255	Y4 fine tuning
44	000-255	Main light 4 red
45	000-255	Main light 4 green
46	000-255	Main light 4 blue
47	000-255	Main light 4 lemon
48	000-255	Zoom 4
49	000-255	Auxiliary light 4 red
50	000-255	Auxiliary light 4 green
51	000-255	Auxiliary light 4 blue
52	000-255	Auxiliary light 4 effect-speed
53	000-255	X5
54	000-255	X5 fine tuning
55	000-255	Y5
56	000-255	Y5 fine tuning
57	000-255	Main light 5 red
58	000-255	Main light 5 green
59	000-255	Main light 5 blue
60	000-255	Main light 5 lemon
61	000-255	Zoom 5
62	000-255	Auxiliary light 5 red
63	000-255	Auxiliary light 5 green
64	000-255	Auxiliary light 5 blue
65	000-255	Auxiliary light 5 effect-speed
66	000-255	Total dimming
67	000-255	Total dimming and fine tuning
68	000-255	Main light stroboscopic
69	000-255	Auxiliary light strobe
70	000-255	XY speed
71	000-255	specific function

5.Dimension


Ø10.50
700.00
355.00
347.50
315.00
355.00
315.00
184.00
1000.00
1011.00


Ø10.50
700.00
355.00
347.50
315.00
355.00
315.00
184.00
1000.00
1011.00

6.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 motors drive IC on the PCB might be out of condition

7.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.