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FLY DRAGON LIGHTING EQUIPMENT CO.,LTD





E180B USER MANUAL

Please read these user manual carefully before use!



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Congratulations on choosing our company product! We thank you for your custom.

- ◆Please note that this product, as all the others in the rich my company range, has been designed and made with total quality to ensure excellent performance and best meet your expectations and requirements.
- ◆ Carefully read this user manual in its entirety and keep it safe for future reference. It is essential to know the information and comply with the instructions given in this manual to ensure the fitting is installed, used and serviced correctly and safely.
- ◆My company disclaims all liability for damage to the fitting or to other property or persons deriving from installation, use and maintenance that have not been carried out in conformity with this user manual, which must always accompany the fitting.
- ◆My company reserves the right to modify the characteristics stated in this user manual at any time and without prior notice.

SAFETY INFORMATION



■This lighting fixture is for professional use only - it is not for household use.

■Installation

Make sure all parts for fixing the projector are in a good state of repair.

Make sure the point of anchorage is stable before positioning the projector.

The safety chain must be properly hooked onto the fitting and secured to the framework.

When suspending the fixture, ensure that the supporting structure and all hardware used can hold at least 10 times the weight of all the devices they support.



■ Mounting surface and fire protection

Please do not install the fixture onto combustible surface.

Keep all combustible materials at least 20 cm away from the fixture.

Ensure a minimum clearance of 0.2m around the cooling fans and ventilation.



Do not expose the front glass to sunlight or other strong light source from any angle. Lenses can focus the sun's rays inside the fixture, creating a potential fire hazard.



■Maximum ambient temperature

The fixture is intended for indoor application.

Do not operate the fixture if the ambient temperature (Ta) exceeds 40 °C.



■Protection against electrical shock

Connection must be made to a power supply system fitted with efficient earthing (Class I appliance according to standard EN 60598-1).

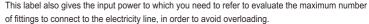
It is, moreover, recommended to protect the supply lines of the projectors from indirect contact and/or shorting to earth by using appropriately sized residual current devices.



Connection to mains supply

The double insulation between the LV power supply and the control conductor on the fixture. Connection to the electricity mains must be carried out by a qualified electrical installer.

Check that the mains frequency and voltage correspond to those for which the projector is designed as given on the electrical data label.



Don't use the power cable when the insulation is damaged.



It must be the manufacturer or distributor or the professional person to change the damaged power cable in order to avoid any dangerous.

tc 80 ℃



■Temperature of the external surface

The maximun temperature that can be reached on the external surface of the fitting, in a thermally steady state, is 80% .

Avoid contact bypersons and materials.

Allow the fixture to cool for at least 15 minutes before handling.



Maintenance

Before starting any maintenance work or cleaning the projector, cut off power from the mains supply. After switching off, do not remove any p





The light source in this fixture shall be replaced by the manufacturer or its service agent or similar qualification.

Always disconnect from mains before replacing the light.



■ Protection against explosion

The protection screen, lens or uv screen on the lamp can be damaged to the degree of failure if visible damage, such as a crack or deep mark, should be replaced.

$\triangle \triangle$

Protection optical radiation

Never look directly into the light source. You risk injury to your retina, which may induce blindness.

Do not look at LEDs with magnifiers, telescopes, binoculars or similar optical instruments that may concentrate the light output.



Battery

This product contains a rechargeable lead-acid battery. To preserve the environment, please dispose the battery at the end of its life according to the regulation in force.



The products referred to in this manual conform to the European Community Directives to which they are subject:

3

Low Voltage 2014/35/EU

Electromagnetic Compatibility 2014/30/EU

TECHNICAL INFORMATION

Power supplies available :

AC100-240V∽, 50/60Hz

Power:

180W, PF 0.988

●Light source

Brand: Luminus

- Lamp power: LED-90W

- Colour temperature:7800K

- Average life: >20000h

Motors :

- 10 ultra-quiet motors

Inputs :

- DMX512

Channel :

- Standard channel:16CH; 16CH PLUS;14CH

■Color

- 14 colors + white

Gobo

- 11Gobo + 1 white + 3 animation range

Strobe

 Strobe effect with 1-25 flashes per second and pulse effect

Dimmer

- 0-100% linear adjustment

Beamangle

- 0-3°

Prism

- 8 Prism+16 double Prism+multi combination effect

●Focus and Lens

- High precision optical lens

■ X/Y Travel: 540°/270°

■ X/Y Resolution: 2.11°/0.98°

●X/Y Speed: 2.7S/1.6S

■ Lighting Size : 380X280X477MM

■ Box Size : 400X345X570MM

N.W.: 17.5kg , G.W.: 19.9kg

• Flycase Size (2 SETS):

885X490X740MM

N.W.: 35.0kg , G.W.: 69kg

Wash effect

- Adjustable wash effect angle

■IP set

 Automatic chang battery, IP could be set without electricity.

Software upgrade

- Insert USB upgrade software.

Features

- Automaticallay adjust cooling-fan's speed
- Input signal isolation: guarantees stable signal transmission without interference

●IP20 protection/IP20

- Protected against the entry of solid bodies larger than 12mm.
- No protection against the entry of liquids.

Safety Devices

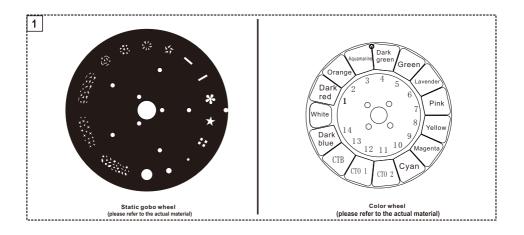
- BIPOlar circuit breaker with thermal protection.

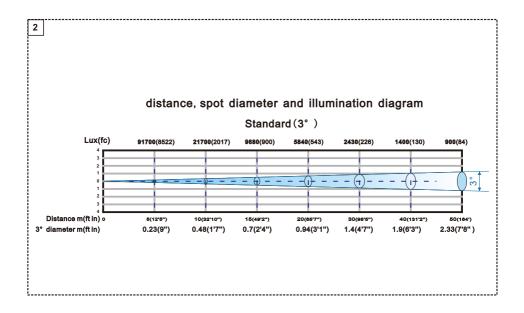
Structure

- Heat-proof plastic+module pressing alloy materials.

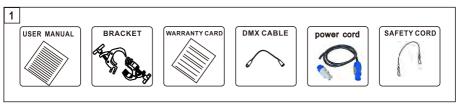
CE Marking

- In conformity with the European Union Low Voltage Directive 2014/35/EU and Electomagnetic compatibility Directive 2014/30/EU.
- ●The vertical direction of the use of hidden locking device, convenient transportation and maintenance.

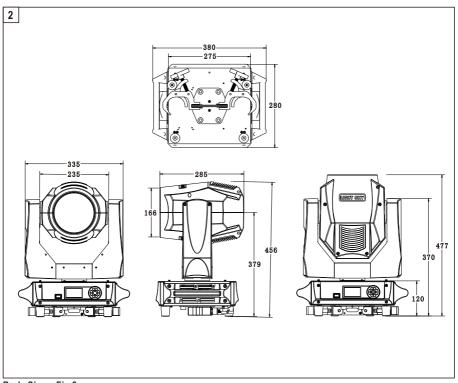




ATTACHMENT AND BODY SIZE

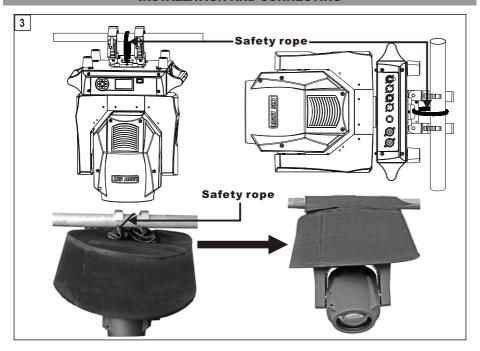


Attachment contents- Fig. 1



Body Size---Fig 2

INSTALLATION AND CONNECTING



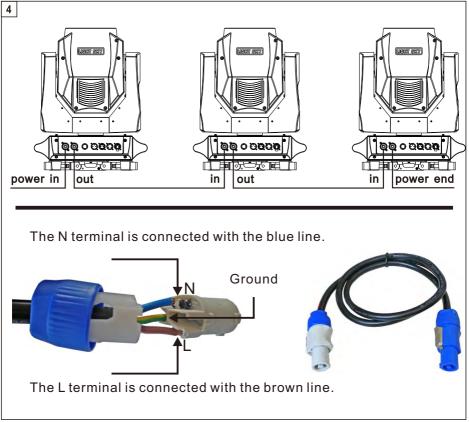
Compact, standard clamp system equipped & easy installation

The fixture can be installed on the floor resting on special rubber feet, on a truss or on the ceiling or wall. WARNING:with the exception of when the fixture is positioned on the floor, the safety rope must be fitted. This must be securely fixed to the support structure of the fixture and then connected to the fixing point at the centre of the base.

Make sure all parts for fixing the fixture are in a good state of repair.

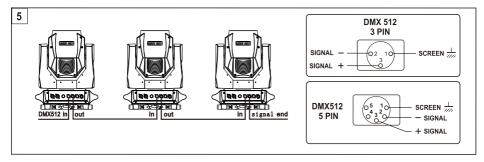
Make sure the point of anchorage is stable before positioning the fixture.

When suspending the fixture, ensure that the supporting structure and all hardware used can hold at least 10 times the weight of all the devices they support.



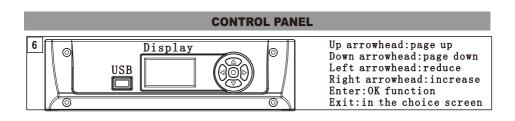
Connecting to the mains suppply --- Fig 4

- The stage lighting power supply can not be more than 3pcs pre line, different types of lamps are connected as follows:
- connection to the electricity mains must be carried out by a qualified electrical installer.
- After doing the above operation and making sure all the devices had been installed with natural operate, press the power switch to check whether every -thing is working normally.



Connecting to the control signal line (DMX) - Fig. 5

- Please use the round 3 or 5-pin XLR plugs &sockets offered by menu facture to connect the first projector's output to the second projector' input and connect the second projector's output to the third projector's input. And in the same way for the rest, eventually connect the last projector's output, all the projectors are together.
- ©The projectors's control signal output or input by using the 3 or 5-pin XLR pug and socket. If need to lengthen the communication cable, please make sure the both side of 3 or 5-pin plug is one to one . (one to one, two to two, three to three). Otherwise, the communication cable will be interrupted. The communicate cable is 2-cord screened cable 75 Ω resistance with each core is at least a 0.5mm diameter. (**Caution**: All the inside leading wire of 3 or 5-pin XLR plug couldn't touch each other or plinth).
- © Recommend to use the DMX signal terminator for the installation to avoid the electronic noise dama -ge the digital control signal. Simply speaking, DMX terminator is an XLR connector with a 120 \, \Omega \, 1/2W resistor connected across pin 2 and 3. Which is then plugged into the output socket on the last projec -tor in the chain. Refer to the connection.



Press the switch. The projector starts resetting the effects. At the same time, the following information scrolls on the display(please refer to the actual material):



MENU SETTING(V1.0)

Wain menu		l menu		II menu		IIII Wealth		Note
OMX Address	†	Address : 001-512						
		Totel time	H	Power :****(h)	H		Ħ	
		10001 011110		LED 0n: **** (h)	Ħ		Ħ	
		LED hours	1	Total :****(h)	T			
			→	LED 0n :****(h)				
		Temperature	→	Board :000.0				
		RDM UID	→	Undistributed	H		H	
			1	Fan : 00. 0V			П	
		Fan speed/Voltag	→	IN_Fan :0000 RPM	T			
				OUT_Fan:0000 RPM	T			
				1. Colour (***)				
				2. Shutter (***)				
				3. Dimmer (***)				
				4. Gobo (***)				
				5. Prism (***)				
nformation				6. PrismROTA. (***)				
	→			7. PrismMacro(***)				
		DMX live	١.	8. Frost (***)				
			→	9. Focus (***)				
				10. Pan (***)				
				11. Pan Fine (***)				
				12. Tilt (***)				
				13. Tilt Fine (***)				
				14. Function (***)				
				15. Reset (***)				
				16. NC (***)				
				XY:V*. **				
		System version	→	10M:V*. **				
				DIS Board :V*.**				
		Return (ESC)						
			Standard (16CH)					
			_	Simple (14CH)				
				16CH PLUS				
		Fan mode	Τ.	Standard mode				
			→	Silent mode				
		P/T invert	→		Ι.	0FF		
				Pan invert	→	ON		
					Ι.	0FF		
				Tilt invert	→	ON		
Personal						English		
	→			Language	→	Chinese		
					T	0pen		
				Back Light	→	Auto close(15s)		
						, ,		
		Display	→		١.	Normal		
				Reversal	→	Rota. 180		
						ON		
			1	Backlight blink	→	0FF	П	
			1	Return (ESC)			П	
		Return (ESC)						
				1. Colour (***)				
			1	2. Shutter(***)				
			1	3. Dimmer(***)			П	
			1	4. Gobo (***)			П	
			1	5. Prism (***)			П	
			1	6. PrismROTA. (***)			П	
			1	7. PrismMacro (***)			П	
Manual		0	1	8. Frost (***)			П	
	→	Channel control	→	9. Focus (***)			П	
control/	→		→	10. Pan (***)	П		П	
				11. Pan Fine (***) 12. Tilt (***)				

Main menu		l menu		II menu		III menu	Note
			T	14. Function (***)			
				15. Reset (***)			
				16. NC (***)			
				Return (ESC)			
			Ħ	system reset			
		Reset	→	Pan/Tilt reset			
		Reset	7				
			┢	Head motor reset	_	OTED white	
				Test P/T		STEP ***	
		Test	→	Test effect		STEP ***	
				Test all	<u>→</u>	STEP ***	
		- /\	<u> </u>	Return (ESC)			
		Return (ESC)	<u> </u>				
		Error list	→				
			₩				
		Clean error	→	Keep			
			Ľ	Clean			
				Pan 000-255			
				Tilt 000-255			
				Dimmer1 000-255			
				Dimmer2 000-255			
				Focus 000-255			
				NC 000-255			
		Calibration	→	Colour 000-255			
				Stat. Gobo 000-255			
				Prism1 000-255			
				Prism2 000-255			
				PrismRota. 000-255			
				Frost 000-255			
Service	→			Return (ESC)			
				Defualt			
				bordare		Power on time	
				Time clean		Light on time	
				Time orean		total time	
						Upgrade Word stock	
						Opgrade Word Stock	LIGHT SKY
						L0G0 choose	Custom LOGO
		F	١.			Ludu choose	No LOGO
		Factory	7	Developer		Harman day 1,000	NO LUGU
						Upgrade L0G0	
						Fan control	
						500	
						ESC	
				Firmware update			
			₩	Return (ESC)			
		return (ESC)	<u> </u>				
Test		Test P/T	→	STEP ***			
		Test effect	H				
	→	1000 011000	→	STEP ***			
		Testall	→	STEP ***			
		Return (ESC)	L				
		English					
Language	→	Chinese					
		Normal					
Reversal	→	Rota. 180	П				

CHANNEL FUNCTION(V1.0)/16CH

O .				
Channe I	DMX	Percent	Functions	Note
			Colour L	
	0-4	0-1.56	White	
	5-8	1. 96-3. 14		
	9-12	3. 53-4. 71		
	13-17		Red+0range	
	18-21	7. 06-8. 24		
	22-25		Orange+Aquamarine T	
	26-29		Aquamarine	
	30-34		Aquamarine+Green	
	35-38	13. 7-14. 9		
	39-42		Green+Light Green	
	43-46		Light Green	
	47-51		Light Green+Lavender	
	52-55	20. 4-21. 6		
	56-59		Lavender+Pink	
	60-63	23. 5-24. 7		
1	64-68		Pink+Yellow	
	69-72	27. 0-28. 2		
	73-76		Yellow+Magenta	
	77-81	30. 2-31. 8		
	82-85		Magenta+Cyan	
	86-89	33. 7-34. 9		
	90-93		Cyan+CTO 260	
	94-98		CTO 260/CTO2	
	99-102		CTO 260+CTO 190/CTO2+CTO1	
	103-106		CTO 190/CTO1	
	107-110		CTO 190+CTB 8000/CTO1+CTB	
	111-115		CTB 8000/CTB	
	116-119		CTB 8000+Blue	
	120-123	47. 1-48. 2		
	124-127		Blue+White	
	128-191		CCW, Fast→Slow Rotation	
	192-255	75. 3-100	CW, Slow→Fast Rotation	
	0.2	0.1.2	Strobe	
	0-3	0-1.2	Closed	
	4-103	1. 6-40. 4	Slow-Fast Strobe	
	104-107	40. 8-42. 0	Slow→Fast, Fast shut slowly open	
2	108-157	42. 4-61. 6	Slow-riast, rast shut slowly open	
	158-207	62. 0-81. 2	Slow→Fast, Fast open slowly shut	
	158-207	02. 0-81. 2		
	208-212		0pen	
	213-251		Random Slow-Fast Strobe	
	252-255	99.8-100	0pen	
3	0-255	0-100	Dimmer	
			Gobo	
	0-3	0-1.2	White	
	4-7	1. 6-2. 7	Gobo1	
	8-11	3. 1-4. 3	Gobo2	
	12-15	4. 7-5. 9	Gobo3	
	16-19	6. 3-7. 5	Gobo4	
	20-23	7. 8-9. 0	Gobo5	
	24-27	9. 4–10. 6	Gobo6	
	28-31	11. 0-12. 2		
	32-35	12. 5-13. 7	Gobo8	

Channe I	DMX	Percent	Functions	Note
	36-39	14. 1-15. 3		1
	40-43	15. 7–16. 9	†	
	44-47	17. 3–18. 4		
	48-51	18. 8-20. 0	†	
	52-55	20. 4-21. 6		
4	56-59	22. 0-23. 1	Gobo14	
	60-73		Gobol Shake Slow-Fast Speed	
	74-87		Gobo2 Shake Slow-Fast Speed	
	88-101	31.4-39.6	Gobo3 Shake Slow-Fast Speed	
	102-115	40. 0-45. 1	Gobo4 Shake Slow-Fast Speed	
	116-129	45. 5-50. 6	Gobo5 Shake Slow-Fast Speed	
	130-143		Gobo6 Shake Slow-Fast Speed	
	144-157	56. 5-61. 6	Gobo7 Shake Slow-Fast Speed	
	158-171	62. 0-67. 1	Gobo8 Shake Slow-Fast Speed	
	172-185	67. 5-72. 6	Gobo9 Shake Slow-Fast Speed	
	186-199	72. 9-78. 0	Gobo10 Shake Slow-Fast Speed	
	200-213	78. 4-83. 5	Goboll Shake Slow-Fast Speed	
	214-227	83. 9-89. 0	Gobo12 Shake Slow-Fast Speed	
	228-241	89. 4-94. 5	Gobo13 Shake Slow-Fast Speed	
	242-255	94. 9-100	Gobo14 Shake Slow-Fast Speed	
			Prism	
	0-63	0-24. 7	Unused Range	
5	64-127	25-49. 8	Prism1	
	128-191	50. 2-74. 9	Prism2	
	192-255	75. 3-100	Prism1+Prism2	
			Prism Rotation	
	0	0	Unused Range	
	1-63	0. 4-24. 7	Angular linear adjustment	
			Three prism effects are selected: set the prism (prism 1, prism 2 orprism 1+ prism 2) in the 5th channel	
6	64-127	25. 1-49. 8	CCW, Fast → Slow	
O	128-191	50. 2-74. 9	CW, Slow → Fast	
	192-207	75. 3-81. 2	Slow → Fast, 90° to and fro Rotating	
	208-223	81 6-87 5	Slow → Fast, 180° to and fro Rotating	
	224-239	87. 8-93. 7	Slow → Fast, 270° to and fro Rotating	
	240-255	94. 1–100	Slow → Fast, 360° to and fro Rotating	
			Prism Macro	
	0-15	0-5. 9	Unused Range	
	16-55	6. 3–21. 6	Fast → Slow, prism 8 Freedom to switch	
	56-95	22. 0-37. 3	Fast → Slow, prism 16 Freedom to switch	
7	96-135	37. 6-52. 9	Fast → Slow, 8 prism +16 prism can be switched freely at the same time	
	136-175	53. 3-68. 6	Fast → Slow, 8 prism selection +16 prism free switching	
	176-215	69. 0-84. 3	Fast → Slo, 16 prism selection +8 prism free switching	
	216-255	84. 7-100	Fast → Slow, Prism 8 and prism 16 interlock switch	
8	0-255	0-100	Frost	
9	0-255	0-100	Focus	

Channe I	DMX	Percent	Functions	Note
10	0-255	0-100	Pan	
11	0-255	0-100	Pan Fine	
12	0-255	0-100	TILT	
13	0-255	0-100	TILT Fine	
14	0-255	0-100	Unused Range	
			Reset	
	0-25		Unused Range	
15	26-76		Effects Reset	
	77-127		PAN/TITL Reset	
	128-255		Complete Reset	
16			NC	

CHANNEL FUNCTION(V1.0)/16CH PLUS

Channe I	DMX	Percent	Functions	Note
			Colour	
	0-4	0-1.56	White	
	5-8	1. 96-3. 14	White+Red	
	9-12	3. 53-4. 71	Red	
	13-17	5. 10-6. 67	Red+0range	
	18-21	7. 06-8. 24	0range	
	22-25	8. 63-9. 80	Orange+Aquamarine	
	26-29	10. 2-11. 4	Aquamarine	
	30-34	11.8-13.3	Aquamarine+Green	
	35-38	13. 7-14. 9	Green	
	39-42	15. 3-16. 5	Green+Light Green	
	43-46	16. 9-18. 0	Light Green	
	47-51	18. 4-20. 0	Light Green+Lavender	
	52-55	20. 4-21. 6	Lavender	
	56-59	22. 0-23. 1	Lavender+Pink	
	60-63	23. 5-24. 7	Pink	
1	64-68	25. 1-26. 7	Pink+Yellow	
	69-72	27. 0-28. 2	Yellow	
	73-76	28. 6-29. 8	Yellow+Magenta	
	77-81	30. 2-31. 8		
	82-85	32. 2-33. 3	Magenta+Cyan	
	86-89	33. 7-34. 9	Cyan	
	90-93	35. 3-36. 5	Cyan+CTO 260	
	94-98	36. 9-38. 4	CTO 260/CTO2	
	99-102		CTO 260+CTO 190/CT02+CT01	
	103-106		CTO 190/CTO1	
	107-110		CTO 190+CTB 8000/CT01+CTB	
	111-115		CTB 8000/CTB	
	116-119	45. 5-46. 7	CTB 8000+Blue	
	120-123	47. 1-48. 2	Blue	
	124-127		Blue+White	
	128-191		CCW, Fast→Slow Rotation	
	192-255	75. 3-100	CW, Slow→Fast Rotation	
			Strobe	
	0-3	0-1.2	Closed	
	4-103	1. 6-40. 4	Slow-Fast Strobe	
	104-107	40. 8-42. 0		
2	108-157	42. 4-61. 6	<u> </u>	
	158-207		Slow→Fast, Fast open slowly shut	
	208-212	81. 6-83. 1	Open	
	213-251		Random Slow-Fast Strobe	
	252-255	99. 8-100	Open	
3	0-255	0-100	Dimmer	
			Gobo	
	0-3	0-1. 2	White	
	4-7	1. 6-2. 7	Gobo1	
	8-11	3. 1-4. 3	Gobo2	
	12-15	4. 7-5. 9	Gobo3	

Channe I	DMX	Percent	Functions	Note
	16-19	6. 3-7. 5	Gobo4	
	20-23	7. 8-9. 0	Gobo5	
	24-27	9. 4-10. 6	Gobo6	
	28-31	11. 0-12. 2	Gobo7	
	32-35	12. 5-13. 7	Gobo8	
	36-39	14. 1-15. 3	Gobo9	
	40-43	15. 7-16. 9	Gobo10	
	44-47	17. 3-18. 4	Gobo11	
	48-51	18. 8-20. 0	Gobo12	
	52-55	20. 4-21. 6	Gobo13	
	56-59	22. 0-23. 1	Gobo14	
4	60-69	23. 5-27. 1	Gobol Shake Slow-Fast Speed	
	70-79	27. 5-31	Gobo2 Shake Slow-Fast Speed	
	80-89	31. 4-34. 9	Gobo3 Shake Slow-Fast Speed	
	90-99	35. 3-38. 8	Gobo4 Shake Slow-Fast Speed	
	100-109	39. 2-42. 7	Gobo5 Shake Slow-Fast Speed	
	110-119	43. 1-46. 7	Gobo6 Shake Slow-Fast Speed	
	120-129	47. 1-50. 6	Gobo7 Shake Slow-Fast Speed	
	130-139	51-54. 5	Gobo8 Shake Slow-Fast Speed	
	140-149	54. 9-58. 4	Gobo9 Shake Slow-Fast Speed	
	150-159	58. 8-62. 4	Gobo10 Shake Slow-Fast Speed	
	160-169	62. 7-66. 3	Goboll Shake Slow-Fast Speed	
	170-179	66. 7-70. 2	Gobo12 Shake Slow-Fast Speed	
	180-189	70. 6-74. 1	Gobo13 Shake Slow-Fast Speed	
	190-199	74. 5-78	Gobo14 Shake Slow-Fast Speed	
	200-225	78. 4-88. 2	Fast-Slow Rotation	
	226-229	88. 6-89. 8	Stop	
	230-255	90. 2-100	Slow-Fast Rotation	
			Prism	
	0-63	0-24. 7	Unused Range	
5	64-127	25-49. 8	Prism1	
	128-191	50. 2-74. 9	Prism2	
	192-255	75. 3-100	Prism1+Prism2	
			Prism Rotation	
	0	0	Unused Range	
	1-63	0. 4-24. 7	Angular linear adjustment	
6			Three prism effects are selected: set the prism (prism1, prism2 or prism1+prism2) in the 5th channel	
	64-127	25. 1-49. 8	CCW, Fast → Slow	
	128-191	50. 2-74. 9	CW, Slow → Fast	
	192-207		Slow → Fast, 90° to and fro Rotating	
	208-223		Slow → Fast, 180° to and fro Rotating	
	224-239	87. 8-93. 7	Slow → Fast, 270° to and fro Rotating	
	240-255	94. 1-100	Slow → Fast, 360° to and fro Rotating	
			Prism Macro	
	0-15	0-5. 9	Unused Range	

Channe I	DMX	Percent	Functions	Note
	16-55	6. 3-21. 6	Fast → Slow, prism 8 Freedom to switch	
	56-95	22. 0-37. 3	Fast → Slow, prism 16 Freedom to switch	
7	96-135	37. 6-52. 9	Fast $ ightharpoonup$ Slow, 8 prism +16 prism can be switched freely at the same time	
	136-175	53. 3-68. 6	Fast → Slow, 8 prism selection +16 prism free switching	
	176-215	69. 0-84. 3	Fast → Slo, 16 prism selection +8 prism free switching	
	216-255	84. 7–100	Fast → Slow, Prism 8 and prism 16 interlock switch	
8	0-255	0-100	Frost	
9	0-255	0-100	Focus	
10	0-255	0-100	Pan	
11	0-255	0-100	Pan Fine	
12	0-255	0-100	TILT	
13	0-255	0-100	TILT Fine	
14	0-255	0-100	Unused Range	
			Reset	
	0-25		Unused Range	
	26-76		Effects Reset	
	77-127		PAN/TITL Reset	
	128-255		Complete Reset	
16			NC/NC	

CHANNEL FUNCTION(V1.0)/14CH

Channe I	DMX	Percent	Functions	Note
			Colour	
	0-4	0-1.56	White	
	5-8	1. 96–3. 14		
	9-12		Red	
	13-17		Red+0range	
	18-21	7. 06-8. 24		
	22-25		Orange+Aquamarine	
	26-29		Aquamarine	
	30-34		Aquamarine+Green	
	35-38	13. 7-14. 9		
	39-42		Green+Light Green	
	43-46		Light Green	
	47-51		Light Green+Lavender	
	52-55	20. 4-21. 6		
	56-59		Lavender+Pink	
	60-63	23. 5-24. 7	 	
1	64-68		Pink+Yellow	
•	69-72	27. 0-28. 2		
	73-76		Yellow+Magenta	
	77-81	30. 2-31. 8		
	82-85		Magenta+Gyan	
	86-89	33. 7–34. 9		
	90-93		Cyan+CT0 260	
	94-98		CTO 260/CTO2	
	99-102		CTO 260+CTO 190/CTO2+CTO1	
	103-106		CTO 190/CT01	
	107-110		CTO 190+CTB 8000/CT01+CTB	
	111-115		CTB 8000/CTB	
	116-119		CTB 8000+Blue	
	120-123	47. 1-48. 2	 	
	124-127		Blue+White	
	128-191	50. 2-74. 9	Fast-Slow Rotation	
	192-255		Slow-Fast Rotation	
			Strobe	
	0-3	0-1.2	Closed	
	4-103	1. 6-40. 4	Slow-Fast Strobe	
	104-107	40. 8-42. 0	0pen	
2	108-157	42. 4-61. 6	Slow→Fast, Fast shut slowly open	
	158-207		Slow→Fast, Fast open slowly shut	
	208-212	81. 6-83. 1	0pen	
	213-251		Random Slow-Fast Strobe	
	252-255	99. 8-100	0pen	
3	0-255	0-100	Dimmer	
			Gobo	
	0-3	0-1.2	White	
4	4-7	1. 6-2. 7	Gobo1	
+	8-11	3. 1-4. 3	Gobo2	
	12-15	4. 7-5. 9	Gobo3	

Channe I	DMX	Percent	Functions	Note
	16-19	6. 3-7. 5	Gobo4	
	20-23	7. 8-9. 0	Gobo5	
	24-27	9. 4-10. 6	Gobo6	
	28-31	11. 0-12. 2	Gobo7	
	32-35	12. 5-13. 7		
	36-39	14. 1-15. 3	Gobo9	
	40-43	15. 7-16. 9	Gobo10	
	44-47	17. 3-18. 4	Gobo11	
	48-51	18. 8-20. 0	Gobo12	
	52-55	20. 4-21. 6	Gobo13	
4	56-59	22. 0-23. 1	Gobo14	
	60-73	23. 5-28. 6	Gobol Shake Slow-Fast Speed	
	74-87	29. 0-34. 1	Gobo2 Shake Slow-Fast Speed	
	88-101	31. 4-39. 6	Gobo3 Shake Slow-Fast Speed	
	102-115		Gobo4 Shake Slow-Fast Speed	
	116-129		Gobo5 Shake Slow-Fast Speed	
	130-143		Gobo6 Shake Slow-Fast Speed	
	144-157	56. 5-61. 6	Gobo7 Shake Slow-Fast Speed	
	158-171	62. 0-67. 1	Gobo8 Shake Slow-Fast Speed	
	172-185		Gobo9 Shake Slow-Fast Speed	
	186-199		Gobo10 Shake Slow-Fast Speed	
	200-213		Goboll Shake Slow-Fast Speed	
	214-227	83. 9-89. 0	Gobo12 Shake Slow-Fast Speed	
	228-241		Gobo13 Shake Slow-Fast Speed	
	242-255		Gobo14 Shake Slow-Fast Speed	
			Prism	
	0-63	0-24. 7	Unused Range	
5	64-127	25-49. 8	Prism1	
	128-191	50. 2-74. 9	Prism2	
	192-255	75. 3-100	Prism1+Prism2	
			Prism Rotation	
	0	0	Unused Range	
	1-63	0. 4-24. 7	Angular linear adjustment	
6	64-127	25. 1-49. 8	8 prism +16 prism from fast to slow, counterclockwiserotation	
0	128-191	50. 2-74. 9	8 prism +16 prism from slow to fast, clockwise rotation	
	192-207	75. 3-81. 2	Slow → Fast, 90° to and fro Rotating	
	208-223	81. 6-87. 5	Slow → Fast, 180° to and fro Rotating	
	224-239	87. 8-93. 7	Slow → Fast, 270° to and fro Rotating	
	240-255	94. 1-100	Slow → Fast, 360° to and fro Rotating	
			Prism Macro	
	0-15	0-5. 9	Unused Range	
	16-55	6. 3-21. 6	Fast → Slow, prism 8 Freedom to switch	
	56-95	22. 0-37. 3	Fast → Slow, prism 16 Freedom to switch	
7	96-135	37. 6-52. 9	Fast $ ightarrow$ \$1ow, 8 prism +16 prism can be switched freely at the same time	

Channe I	DMX	Percent	Functions	Note
	136-175	53. 3-68. 6	Fast → Slow 8 prism selection +16 prism free switching	
7	176-215	69. 0-84. 3	Fast → Slo 16 prism selection +8 prism free switching	
	216-255	84. 7-100	Fast → Slow Prism 8 and prism 16 interlock switch	
8	0-255	0-100	Frost	
9	0-255	0-100	Focus	
10	0-255	0-100	Pan	
11	0-255	0-100	Pan Fine	
12	0-255	0-100	TILT	
13	0-255	0-100	TILT Fine	
			Function	
	0-25	0-9.8	Unused Range	
	26-30	10. 2-11. 8	Effects Reset	
	31-35	12. 2-13. 7	PAN/TITL Reset	
14	36-40	14. 4-15. 7	Complete Reset	
	41-180	16. 1-70. 6	Unused Range	
	181-200	71. 0-78. 4	Unused Range	
	201-220	78. 8-86. 3	Unused Range	
	221-255	86. 7-100	Unused Range	

power in 100-240vAC Switched power supply CIRCUIT CONNECTING DIAGRAM XY-QD V1.3 20161130 380VDC GND GND 28V 0 0 0 INPUT Electronic ballast YJ-XS V1.1 20161121 10-QD V1.1 20161121 OUTPUT 0 0 0 Lamp (

0

0

0

0

CLEANING AND MAINTENANCES

- ■1.In order to ensure the projector could work normally. It should be kept clean always.

 The lens should also be regularly cleaned to maintain an optimum light output.

 Do not use any type of solvent on lens. It will damage the projector.
- 2.Suggestion: The continue usage of the light don't exceed 4 hours. Or it will shorter the usage of the lamp. Please use the alternative operation to solve this problem. The fixture power ON time is best not over 48 hours, or it would generate lamp protection procedure.
- ■3.Please disconnect the power supply when begin to maintenance take down the light.

 Please let the parts cool down 10 minute at least then begin to install.
- 4. Please inspect the lens or other moving parts timing and keep them clear and static.
 If find anything damaged or looseness must change a lamp or fix the lamp in order to avoid the accident

Please check the machenical parts is jamging. After cleaning, please add some temperature -durable juice.

- ■5. The light use the strong cool system. It is easy for the dirty to be colletced. Please do clear the hot-sak one time two week at least.
- ■6. After you use the light, please check the intake place whether there are some wastepaper, please clean it up.or the windmill will break down and causing fire.

CAUTION!!!

Disconnect from mains before starting maintenance operation!

TROUBESHOOTING

It is recommended some solution for some normal trouble shooting. Any inextricability problems should always be handling by the professional person. Disconnect the power supply before maintenance the light.

■ LED off :

- 1. Please check if install the suitable voltage
- Please check whether the led will reach the end of their life can explode; please replace a same description led.
- 3. Please check if the power supply is enough.
- 4. Please check whether the DMX 512 controller pass the "turn on" order.

■The light couldn't accept the control order:

- 1. Please check the start code address and the function option are correct.
- Please check whether the communicate control cable is on good connection or the cable is too long or interrupt.
- Please check the control system is not valid, check the signal amplifier of chain connected is valid.
- **4.**Please check whether the communicate cable is too long or the other equipment is mutually conjugate.
- **5.**Please arrange the wire well, shorter the signal cable, put the high voltage cable and low voltage cable separately.
- **6.**Add the signal amplify isolator.
- 7. Signal cable is used the excellent screening doublet (Resistance 75 OHM)
- 8. The end of the light end and the end resistance.
- ■The light can't move:
 - 1. Please check if the power supply is suitable for the light voltage data.
 - 2.Please check the light if they are deformation, inside parts is broken, become wet etc will lead the loose contact.
 - 3 Please check the if the iniside lead wire and the connector is loose.
 - 4.Please check the electric parts(such as the transformer, PCB board, contrller) is short-circuit or burn down.

DUTY EXONERATIVE AND COPYRIGHT PROTECTION

- \Diamond The lamp belongs to consumption products that is not guarantee to keep it in good repair.
- ♦ Any products broken that didn't according to the instruction is not guarantee to keep it in good repair.
- ♦ The commentary for all the instruction belongs to the supplier in final.
- ♦ No authorize can't copy.
- ♦ The information in this manual may be changed in the future, the company reserve the right to change the data without any advise.