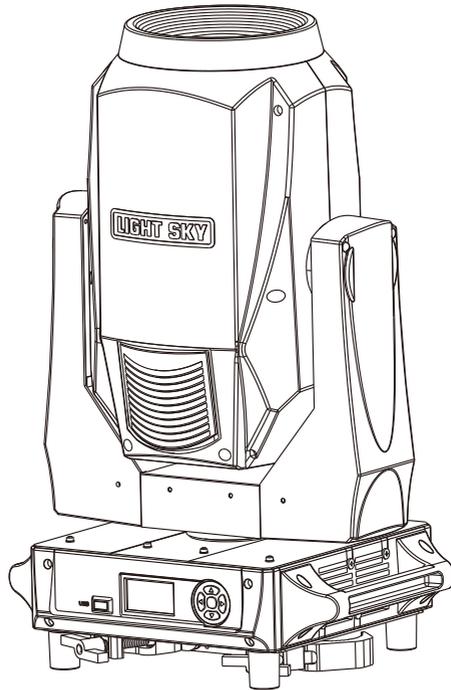


LIGHT SKY[®]

FLY DRAGON LIGHTING EQUIPMENT CO.,LTD



F400BSW

USER MANUAL

Please read these user manual carefully before use

Contents

1. Safety information.....	2
2. Technical information.....	4
3. Attachment and body size.....	6
4. Installation and connecting.....	7
5. Control panel.....	9
6. Menu setting.....	10
7. Channel function.....	16
8. Circuit connecting diagram.....	21
9. Cleaning and maintenances.....	22
10. Troubleshooting.....	22
11. Duty exonerative and copyright protection.....	24

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.

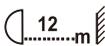
◆My company reserves the right to modify the characteristics stated in this user manual at any time and without prior notice.

SAFETY INFORMATION



■ 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, so that, if the primary support system fails, the fitting falls as little as possible. If the safety chain gets used, it needs to be replaced with a genuine spare.



■ Mounting surfaces

It is permissible to mount the fitting on normally flammable surfaces.



■ Minimum distance of illuminated objects

When the luminaire projects an object, the minimum distance of the luminaire to the flammable object is 12 meters.



■ Please do not install the fixture onto combustible surface.

■ Distance between this fixture and combustible goods needs more than 1 meter.

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



■ Maximum ambient temperature

The fixture is intended for indoor application. Do not operate the fixture if the ambient temperature (Ta) exceeds 38°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.

This label also gives the input power to which you need to refer to evaluate the maximum number of fittings to connect to the electricity line, in order to avoid overloading.

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.

t_e 100°C

■ **Temperature of the external surface**

The maximum temperature that can be reached on the external surface of the fitting, in a thermally steady state, is 100°C.



■ **Maintenance**

Before starting any maintenance work or cleaning the projector, cut off power from the mains supply. After switching off, do not remove any parts of the fitting, to avoid getting burnt for at least 30 minutes.



After this time the likelihood of the lamp exploding is virtually nil.

The fitting is designed to hold in any splinters produced by a lamp exploding. The lenses must be mounted and, if visibly Damaged, they have to be replaced with genuine spares.



■ **Lamp**

The fitting mounts a high-pressure lamp that needs an external . Immediately replace the lamp if damaged or deformed by heat.

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 lamp.

■ **Protection against explosion**

The protection screen, lens or ultraviolet 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.



■ **Protection optical radiation**

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



Do not stare directly into the light output. Never look at an exposed lamp while it is lit.

■ **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 product implementation standard: GB 7000.1-2015 GB7000.217-2008

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

Low Voltage 2014/35/EU

Electromagnetic Compatibility 2014/30/EU

TECHNICAL INFORMATION

●Power supplies available

100V~240V~ 50/60Hz 5A

●Power

495W(220V/50Hz) PF0.98

Lamp

- Brand: USHIO NSL360(31mmWD)
- Lamp power: 360W
- Colour temperature: 6900K
- Average life: 1500h

●Motors :

- 12 ultra-quiet motors,

●Inputs :

- DMX512

●Color

- 14 colors + white,

●Static gobo wheel

- 11Gobo + 1 white + animation range

●Rotation Gobo Wheel

- 7 rotating Gobos+open, Bi-direction flow water animation effect

- 12 facet round Prism (zoom from to 20 degree)

●Beam angle

- Beam Projection 0-1.5°, Spot Projection 1.5-20°

●Wash angle

- 8-60° independent Wash effect

●Focus and Lens

- High precision optical lens, linear adjustment

●Strobe

- Double lens strobe(0.5-9 times/second)

●Dimmer

- 0-100% linear adjustment

●X/Y Travel: 540°/250°

●X/Y Resolution: 2.11°/0.98°

●X/Y Speed: 2.7S/1.6S

●Lighting Size (1sets) : 380X300X616MM

●Box Size : 450X370X700MM

N.W.: 22.5kg , G.W.: 25kg

●Flycase Size(2 sets):

820X535X810MM

N.W.: 45kg , G.W.: 80.3kg

●IP set

- Automatic charge battery, IP could be set without electricity.

Software upgrade

- Insert USB upgrade software.

●Features

- Remote control lamp's switch function display light and lamp's using time. automatically adjust cooling fan's speed, Drop power when strobe lens.

●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.
- Automatic break in power supply in case of overheating or failed operation of cooling system.

●Cooling

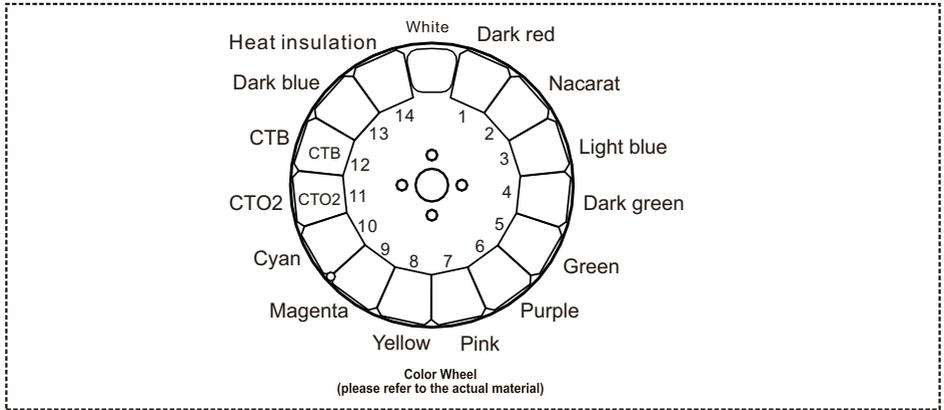
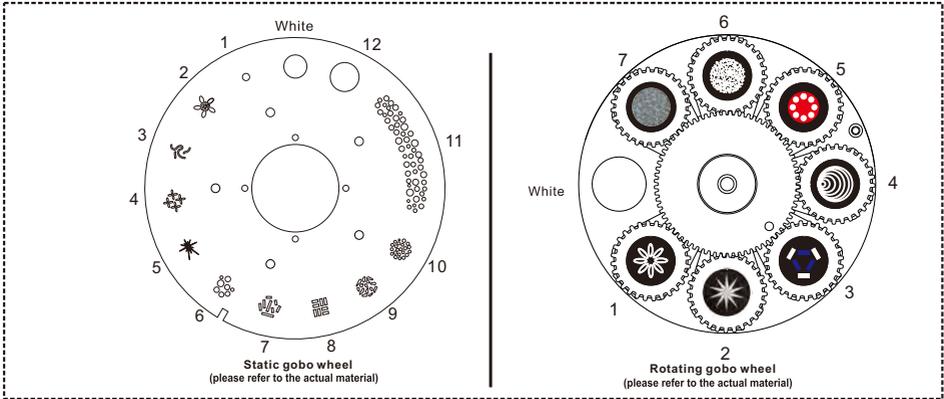
- Forced ventilation with axial fans.

●Structure

- Heat-proof plastic+module pressing alloy materials.
- The vertical direction of the use of hidden locking device, convenient transportation and maintenance.

●CE Marking

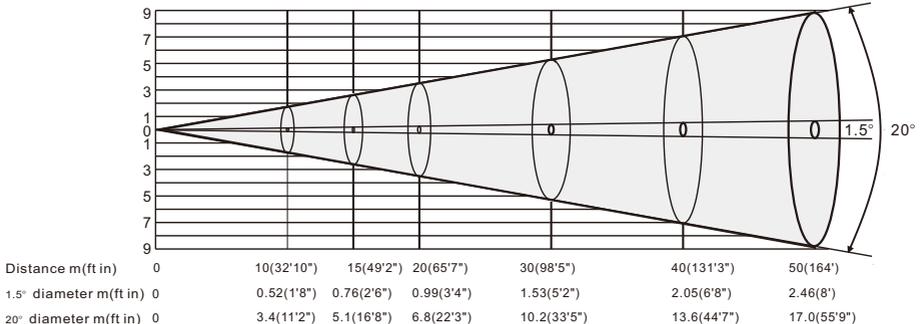
- In conformity with the European Union Low Voltage Directive 2014/35/EU and Electromagnetic compatibility Directive 2014/30/EU.
2014/30/EU



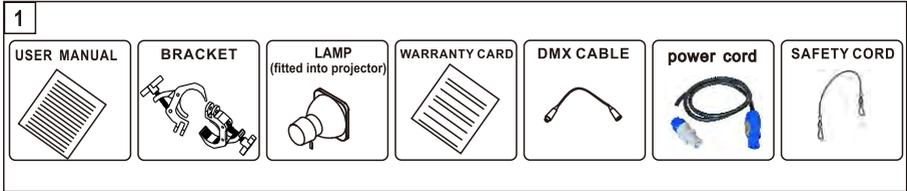
Photometric Data:

Lux(fc)

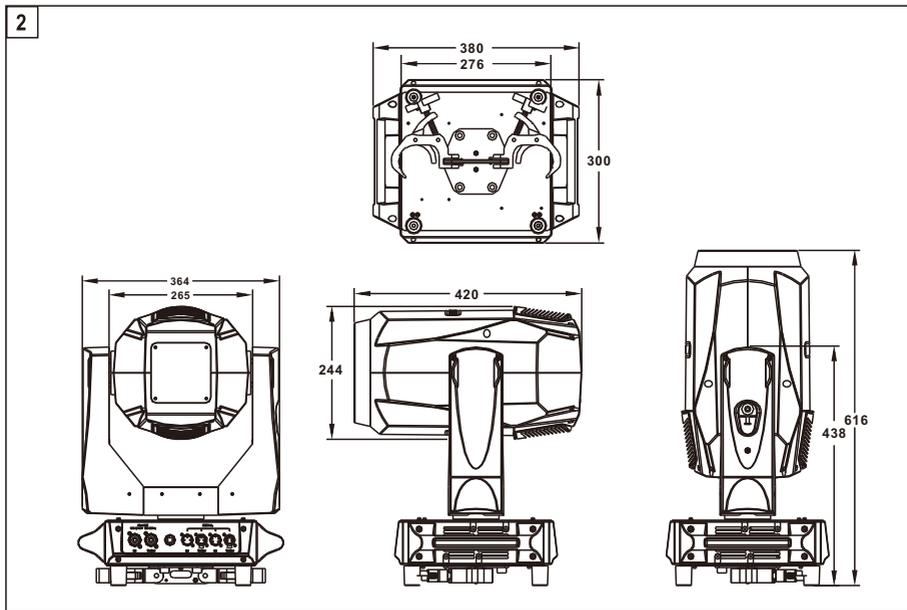
20° highlights	12900(1191)	5650(525)	3220(299)	1310(122)	845(79)	452(42)
1.5° highlights	244000(22677)	113000(10502)	58000(5390)	29000(2695)	16200(1506)	10200(948)



ATTACHMENT AND BODY SIZE

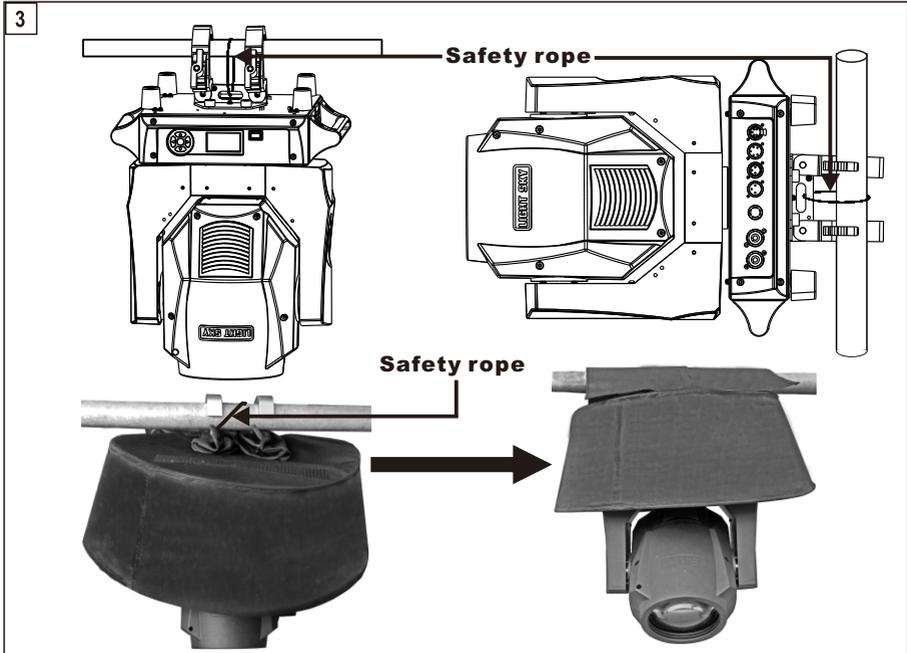


Attachment contents- Fig. 1



Body Size---Fig 2

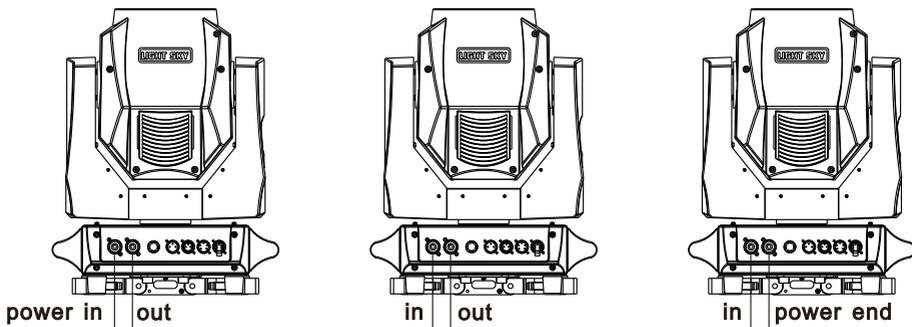
INSTALLATION AND CONNECTING



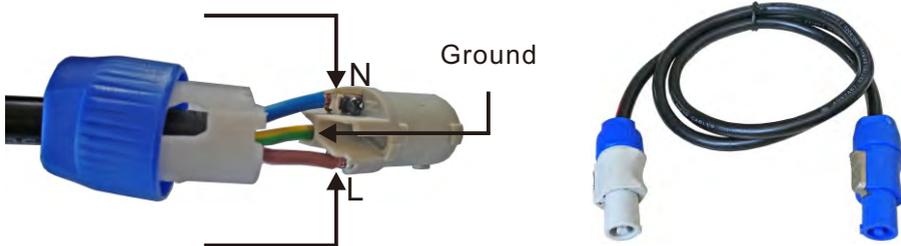
Installing the projector- Fig. 3

The projector 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 projector is positioned on the floor, the safety rope must be fitted.
 This must be securely fixed to the support structure of the projector and then connected to the fixing point at the centre of the base.

4



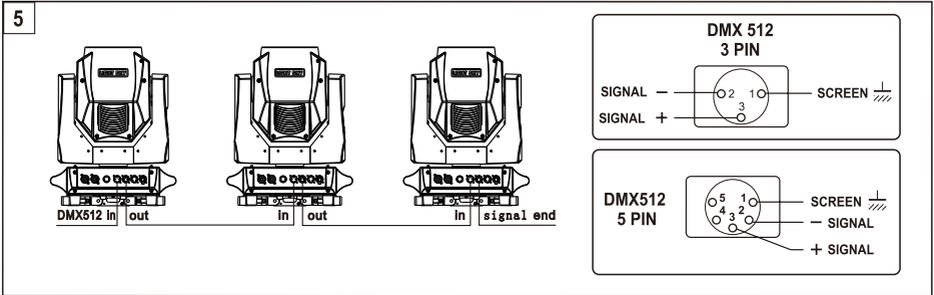
The N terminal is connected with the blue line.



The L terminal is connected with the brown line.

Connecting to the mains supply ---Fig 4

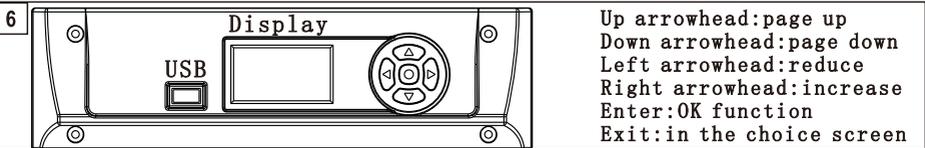
- The stage lighting power supply can not be more than 2pcs pre line
- connection to the electricity mains must be carried out by a qualified electrical installer.
- After doing the above operation and making sure all the devices had been installed with natural operate, press the power switch to check 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 factory to connect the first projector's output to the second projector's 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 plug 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 communication cable is 2-cord screened cable 75Ω 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 pinth).
- © Recommend to use the DMX signal terminator for the installation to avoid the electronic noise damage the digital control signal. Simply speaking, DMX terminator is an XLR connector with a 120Ω 1/2W resistor connected across pin 2 and 3. Which is then plugged into the output socket on the last projector in the chain. Refer to the connection.

CONTROL PANEL



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):

LIGHT SKY

DMX: 001

Information

Service

Lamp

Personal

Language

Manual control

Reversal

MENU SETTING(V1.0)

Main menu	I menu	II menu	III menu	
DMX Address	→ Address : 001-512			
Information	Lamp hours	→ Total : **** (h)		
		Lamp open : **** (h)		
	Temperature	→ PVG_TEM : ***. *		
		Board : ***. *		
	RDM UID	→ Undistributed		
	MOTOR UID	→		
	Fan speed/Voltag	→	Fan : **. *V	
			Fan1 : **. *V	
			Fan2 : **. *V	
			Fan : **** RPM	
			Fan1 : **** RPM	
			Fan2 : ****RPM	
	DMX live	→	1.Dimmer (***)	
			2.Shutter (***)	
			3.Colour (***)	
			4.Gobo (***)	
			5.Rota.Gobo (***)	
			6.Gobo.Rota. (***)	
			7.Frost (***)	
			8.Focus (***)	
			9.Zoom (***)	
			10.Prism (***)	
			11.PrismRota (***)	
			12.PrismZoom (***)	
			13.Autofocus (***)	
			14.Pan (***)	
			15.Pan Fine (***)	
16.Tilt (***)				
17.Tilt Fine (***)				
18.Function (***)				
System version	→	XY:V*. **		
		12M:V*. **		
		DIS Board : V*. **		
Return(ESC)				

Main menu	I menu	II menu	III menu	
Personal	Channel mode	→ Standard(18CH)		
		→ Simple(20CH)		
	Auto lamp on	→ OFF		
		→ ON		
	P/T invert	Pan invert →	OFF	
			ON	
	Tilt inver	→	OFF	
			ON	
	Display	Language	→	English
				Chinese
		Back Light	→	Open
				Auto close(15s)
		Reversal	→	Normal
				Rota.180
		Backlight blink	→	ON
	OFF			
Return(ESC)				
Return(ESC)				
Manual control	Channel control	→	1.Dimmer (***)	
			2.Shutter (***)	
			3.Colour (***)	
			4.Gobo (***)	
			5.Rota.Gobo (***)	
			6.GoboRota. (***)	
			7.Frost (***)	
		→	8.Focus (***)	
			9.Zoom (***)	
			10.Prism (***)	
			11.PrismRota (***)	
			12.PrismZoom (***)	
			13.Autofocus (***)	
			14.Pan (***)	
			15.Pan Fine (***)	
			16.Tilt (***)	
			17.Tilt Fine (***)	
			18.Function (***)	
	Return(ESC)			

Main menu		I menu		II menu		III menu	
	→	Reset	→	System reset			
				Pan/Tilt reset			
				Head motor reset			
				Return(ESC)			
	→	Test	→	Test P/T	→	STEP ***	
				Test effect	→	STEP ***	
				Test all	→	STEP ***	
				Return(ESC)			
		Return(ESC)					
Service	→	Error list					
		Clean error	→	Keep			
				Clean			
		Calibration	→	Pan	000-255		
				Tilt	000-255		
				Dimmer1	000-255		
				Dimmer2	000-255		
				Focus	000-255		
				Zoom	000-255		
				Colour	000-255		
				Gobo	000-255		
Rota.Gobo	000-255						
Return(ESC)							

Main menu	I menu	II menu	III menu	IV menu
Service	AutoFocus Cal.	AutoFocus S.Gobo	→ S.Gobo-10M	Auto Zoom 000-255
				Zoom Cal. 000-255
				Focus Cal. 000-255
			→ S.Gobo-15M	Auto Zoom 000-255
				Zoom Cal. 000-255
				Focus Cal. 000-255
			→ S.Gobo-20M	Auto Zoom 000-255
				Zoom Cal. 000-255
				Focus Cal. 000-255
			→ S.Gobo-30M	Auto Zoom 000-255
				Zoom Cal. 000-255
				Focus Cal. 000-255
			→ S.Gobo-40M	Auto Zoom 000-255
				Zoom Cal. 000-255
				Focus Cal. 000-255
			→ S.Gobo-50M	Auto Zoom 000-255
				Zoom Cal. 000-255
				Focus Cal. 000-255
			Return(ESC)	

Main menu	I menu	II menu	III menu	IV menu			
Service	AutoFocus Cal.	AutoFocus R.Gobo	→ R.Gobo-10M	Auto Zoom 000-255			
				Zoom Cal. 000-255			
				Focus Cal. 000-255			
			→ R.Gobo-15M	Auto Zoom 000-255			
				Zoom Cal. 000-255			
				Focus Cal. 000-255			
			→ R.Gobo-20M	Auto Zoom 000-255			
				Zoom Cal. 000-255			
				Focus Cal. 000-255			
			→ R.Gobo-30M	Auto Zoom 000-255			
				Zoom Cal. 000-255			
				Focus Cal. 000-255			
			→ R.Gobo-40M	Auto Zoom 000-255			
				Zoom Cal. 000-255			
				Focus Cal. 000-255			
			→ R.Gobo-50M	Auto Zoom 000-255			
				Zoom Cal. 000-255			
				Focus Cal. 000-255			
			Return(ESC)			Return(ESC)	
			Return(ESC)				

Main menu		I menu		II menu		III menu
Service	→	Factory	→	Default		
				Time clean	→	
				Developer		
				Firmware update		
		Fan mode	→	Standard mode		
				3000-4000M		
				4000-5500M		
Return(ESC)						
Lamp	→	Off				
		On				
Language	→	English				
		Chinese				
Reversal	→	Normal				
		Rota.180				

CHANNEL FUNCTION(V1.0)

18 CH	20 CH	DMX	Percentage	Function
1	1	0-255	0-100	Dimmer
2	2	Shutter/ strobe		
		0-31	0-12.35	Shutter closed
		32-63	12.35-24.9	Shutter open, Full lamp power
		64-95	24.9-37.45	Strobe-effect from slow to fast
		96-127	37.45-50	Shutter open
		128-143	50-56.27	Opening pulse in sequences from slow to fast
		144-159	56.27-62.55	Closing pulse in sequences from fast to slow
		160-191	62.55-75.1	Shutter open
		192-223	75.1-87.65	Random strobe-effect from slow to fast
	224-255	87.65-100	Shutter open, Full lamp power	
3	3	Colour		
		Continual positioning		
		0-4	0-1.76	Open/white
		5-11	1.76-4.51	White+Dark Red
		12-18	4.51-7.25	Dark Red
		19-25	7.25-10	Dark Red+Nacarat
		26-32	10-12.75	Nacarat
		33-39	12.75-15.49	Nacarat+Light blue
		40-46	15.49-18.24	Light blue
		47-53	18.24-20.98	Light blue+Dark green
		54-60	20.98-23.73	Dark green
		61-67	23.73-26.47	Dark green+Green
		68-74	26.47-29.22	Green
		75-81	29.22-31.96	Green+Purple
		82-88	31.96-34.71	Purple
		89-95	34.71-37.45	Purple+Pink
		96-102	37.45-40.2	Pink
		103-109	40.2-42.94	Pink+Yellow
		110-116	42.94-45.69	Yellow
		117-123	45.69-48.43	Yellow+Magenta
124-130	48.43-51.18	Magenta		
131-137	51.18-53.92	Magenta+Cyan		
	138-144	53.92-56.67	Cyan	

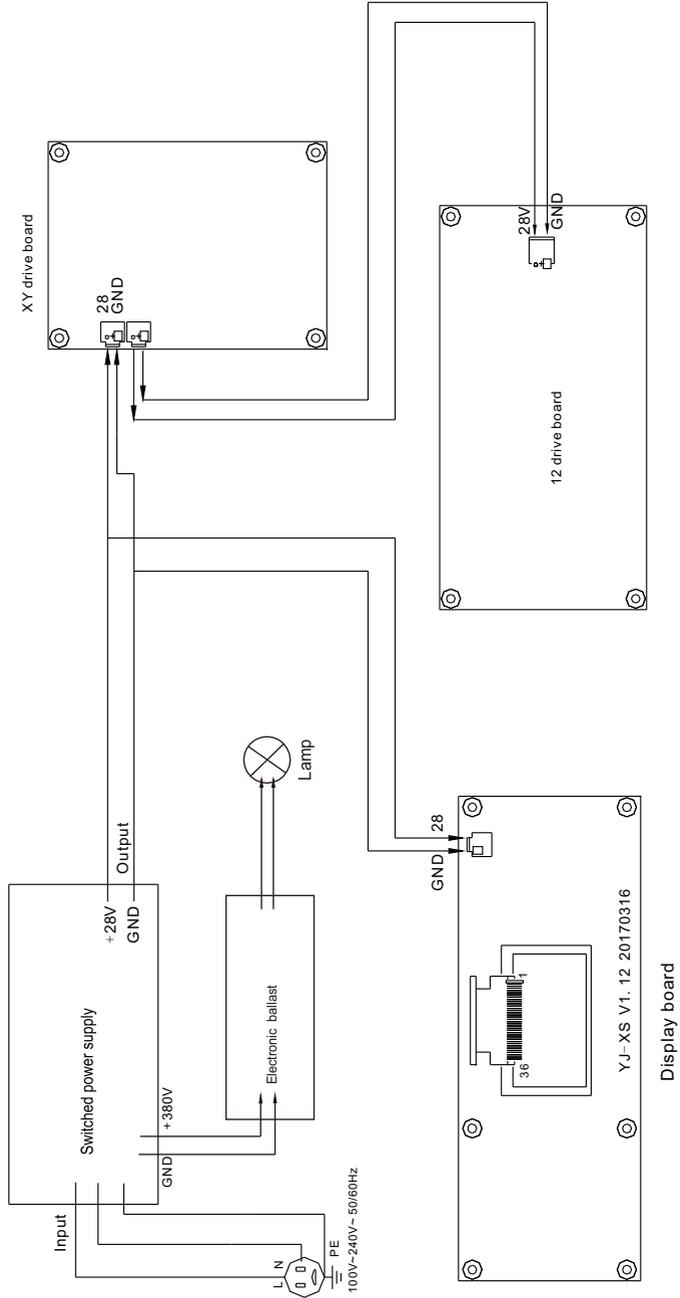
18 CH	20 CH	DMX	Percentage	function
		145-151	56.67-59.41	Cyan+CTO2
		152-158	59.41-62.16	CTO2
		159-165	62.16-64.9	CTO2+CTB
		166-172	64.9-67.65	CTB
		173-179	67.65-70.39	CTB+Dark Blue
		180-186	70.39-73.14	Dark Blue
		187-219	73.14-86.08	Forwards rainbow effect from fast to slow
		220-222	86.08-87.25	No rotation
		223-255	87.25-100	Backwards rainbow effect from slow to fast
4	4	Static gobo wheel		
		0-3	0-1.37	Open/hole
		Positioning		
		4-9	1.37-3.73	Gobo1
		10-15	3.73-6.08	Gobo2
		16-21	6.08-8.43	Gobo3
		22-27	8.43-10.78	Gobo4
		28-33	10.78-13.14	Gobo5
		34-39	13.14-15.49	Gobo6
		40-45	15.49-17.84	Gobo7
		46-51	17.84-20.2	Gobo8
		52-57	20.2-22.55	Gobo9
		58-63	22.55-24.9	Gobo10
		64-69	24.9-27.25	Gobo11
		70-75	27.25-29.61	Gobo12
		76-81	29.61-31.96	Open/hole
		82-87	31.96-34.31	Open/hole
		Shaking gobos from slow to fast		
		88-95	34.31-37.45	Gobo1
		96-103	37.45-40.59	Gobo2
		104-111	40.59-43.73	Gobo3
		112-119	43.73-46.86	Gobo4
		120-127	46.86-50	Gobo5
		128-135	50-53.14	Gobo6
		136-143	53.14-56.27	Gobo7
		144-151	56.27-59.41	Gobo8
		152-159	59.41-62.55	Gobo9
160-167	62.55-65.69	Gobo10		
168-175	65.69-68.82	Gobo11		

18 CH	20 CH	DMX	Percentage	function	
		176-183	68.82-71.96	Gobo12	
		184-191	71.96-75.1	Open/hole	
		192-199	75.1-78.24	Open/hole	
		200-201	78.24-79.02	Open/hole	
		202-221	79.02-86.86	Forwards gobo wheel rotation from fast to slow	
		222-223	86.86-87.65	No rotation	
		224-243	87.65-95.49	Backwards gobo wheel rotation from slow to fast	
		244-249	95.49-97.84	Unused range	
		250-255	97.84-100	Auto random gobo selection from fast to slow	
5	5	Rotating gobo wheel			
		In the range of 0-59 DMX the gobo selection speed is controlled by the Effect Speed channel Index - set indexing on channel			
		0-6	0-2.55	Open/hole (default)	
		7-30	2.55-11.96	Gobo1	
		31-54	11.96-21.37	Gobo2	
		55-78	21.37-30.78	Gobo3	
		79-102	30.78-40.2	Gobo4	
		103-126	40.2-49.61	Gobo5	
		127-150	49.61-59.02	Gobo6	
		151-174	59.02-68.43	Gobo7	
		Shaking gobos from slow to fast Index - set indexing on channel 6			
		175-184	68.43-72.35	Gobo1	
		185-194	72.35-76.27	Gobo2	
		195-204	76.27-80.2	Gobo3	
		205-214	80.2-84.12	Gobo4	
		215-224	84.12-88.04	Gobo5	
		225-234	88.04-91.96	Gobo6	
		235-244	91.96-95.88	Gobo7	
		245-249	95.88-97.84	Open/hole	
		250-255	97.84-100	Auto random gobo selection from fast to slow	

18 CH	20 CH	DMX	Percentage /百分比	Function/功能
6	6	Rot. gobo indexing and rotation		
		0-127	0-50	Gobo indexing
		128-187	50-73.53	Forwards gobo rotation from fast to slow
		188-195	73.53-76.67	No rotation
		196-255	76.67-100	Backwards gobo rotation from slow to fast
7	7	Frost		
		0-127	0-50	Close
		128-255	50-100	Open
8	8	Focus		
		0-255	0-100	Continuous adjustment from far to near
-	9	Focus - fine		
		0-255	0-100	Fine focusing
9	10	Zoom		
		0-255	0-100	Zoom from max. to min.beam angle
-	11	Zoom - fine		
		0-255	0-100	Fine zooming
10	12	Prism		
		0-127	0-50	Open position (hole)
		128-255	50-100	Prism
11	13	Prism rotation and indexing		
		0-4	0-1.76	No rotation
		5-128	5-50.39	Forwards prism rotation from fast to slow
		129-131	50.39-51.57	No rotation
		132-255	51.57-100	Backwards prism rotation from slow to fast
12	14	Prism zoom - set position on channel 12/14		
		0-127	0-50	Zoom from min. to max.beam angle
		128-255	50-100	Prism

18 CH	20 CH	DMX	Percentage	Function
13	15			Autofocus (priority & distance selection) Select desired distance and effect on which you need to focus and use "Focus" channel (18/20) to focus the image.
		0-15	0-5.69	Autofocus Off
		16-55	5.69-21.37	10 metres
		56-95	21.37-37.06	15 metres
		96-135	37.06-52.75	20 metres
		136-175	52.75-68.43	30 metres
		176-215	68.43-84.12	40 metres
216-255	84.12-100	50 metres		
14	16	0-255	0-100	Pan Pan movement by 540
15	17	0-255	0-100	Pan Fine Fine control of pan movement
16	18	0-255	0-100	TILT Tilt movement by 230
17	19	0-255	0-100	TILT Fine Fine control of tilt movement
18	20	Function		
		0-89	0-35.1	Reserved
		90-99	35.1-39.02	Reserved
		100-109	39.02-42.94	Reserved
		110-119	42.94-46.86	Reserved
		120-129	46.86-50.76	Reserved
		130-139	50.76-54.71	Lamp ON
		140-149	54.71-58.63	PAN/TITL Reset
		150-159	58.63-62.55	Fuction reset
		160-169	62.55-66.47	Total reset
		170-229	66.47-90	Reserved
		230-239	90-93.92	Lamp Off
240-255	93.92-100	Reserved		

Circuit connecting diagram



CLEANING AND MAINTENANCES

- In order to ensure the projector could work normally. It should be kept clean always. It is recommended that the fans and ventilation in let should be cleaned every 15 days. The lens and dichroic colour filters should also be regularly cleaned to maintain an optimum light output. Do not use any type of solvent on dichroic colour filters. It will damage the projector.
- 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 problems.
- Please disconnect the power supply when begin to maintenace or takedown the light. Please let the parts cool down 10 minute at least then begin to install. If need to replace the lamp, please wait 10 minute again at least to let the lamp cool down completely or which maybe burned down.
- Please inspect the lens or other moving parts timing and keep them clear and static. If find anything damaged or losseness, must change a lamp or fix the lamp in order to avoid the accident.
- The light use the strong cool system. It is easy for the dirty to be collected. Please do clear the hot-sak one time two week at least.
- 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.

TROUBESHOOTING

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

■ Lamp off:

- Please check if install the suitable lamp.
- Please check the connection of the power supply or switch is ok.
- Please check whether the lamp will reach the end of their life can explode, please replace a same description lamp.
- Please measure if the power supply is enough.
- Please check if the operation is correct. Please wait 30 minutes at least till the lamp cool down enough, then could the connect the power supply, which could be normal work.
- Please check whether the DMX 512 controller pass the "turn on" order.
- Please check the connection of the trigger circuit is loose contact.
- Please check whether the connected point of the trigger point is loose contact, faster the connect cable.
 - Please check if the switch of the temperature is damaged.
- Check the bottom box driver board "WK" socket if the resistance 0 between the two line.

■ The light beam is dark, not inhomogeneous:

- When the lamp is to the usage life, the light is not enough, please change a new one for the same description.
- Please check the reflector parts is dirty. Keep them clear.
- Please measure if the power supply is enough.
- Small adjusting is suitable for change height or screw system till get a ideal light beam.

■ **The light shadow is fogging:**

- ⊙ Please check the data on the DMX 512 controller is suitable for the electric focus.
- ⊙ Please check the mechanical parts is jamming. After cleaning, please add some temperature -durable juice.

■ **The light works interruptly:**

- ⊙ Please check if the fan works normally or mote clogging.
- ⊙ Please check whether the abstract heat have the mote clogging.
- ⊙ Please check if the lamp is to the usage life.
- ⊙ Please check if the power supply is enough, the connection of the power supply or the circuit are good.
- ⊙ Please check if the switch of the sup-temperature is good.

■ **Though the light is lighting, but it couldn't accept the control order:**

- ⊙ 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.
- ⊙ Please check whether the communicate cable is too long or the other equipment is mutually conjugate.
- ⊙ Please arrange the wire well ,, Shorter the signal cable , put the high voltage cable and low voltage cable separ -ately .
- ⊙ Add the signal amplify isolator.
- ⊙ Signal cable is used the excellent screening doublet (Resistance 75 Ω)
- ⊙ The end of the light end and the end resistance.
- ⊙ When the lamp don't cool down enough but do the incorrect operation will let the trigger up to super- high voltage leak. It will damage the electric circuit and communicate IC or CPU . Under this condition, please change the PCB board.

■ **the light can't move:**

- ⊙ Please check if the power supply is suitable for the light voltage data.
- ⊙ Please check the fuse of input voltage is defective.
- ⊙ Please check the light if they are deforming, inside parts is broken, become wet...etc will lead the loose contact.
- ⊙ Please check if the inside lead wire and the connector is loose.
- ⊙ Please check the electric parts (such as the switch, transformer, ballast, electric capacity, piezoresistor, filter, PCB board, controller to motor) is short-circuit or burn down.

■ **Part of the projector couldn't be responsed to the controlling order:**

- ⊙ Please check the order is correct to the moving.
- ⊙ Please check the mechanical part is deformation or loose.
- ⊙ Please check the function to the motor socket is loose or drive chip is burn down.
- ⊙ Please check the wire of the motor is cut at zig point.
- ⊙ Please check these function to the motor is damaged.

■ **On working, the pan & tilt couldn't work normally:**

- ⊙ Please check according to the above step by step.
- ⊙ Please check the belt of the X.Y is broken.
- ⊙ Please check the X/Y direction data to the receiver is damage.
- ⊙ Re-projector reset.

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- ◇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.

■ **On working, the pan & tilt couldn't work normally:**

工作时,灯具的X或Y方向的动作不正常:

◎Please check according to the above step by step.

按上一步骤逐个检查;

◎Please check the belt of the X.Y is broken.

检查灯具内X、Y方向对应的传动皮带是否脱落和断裂;

◎Please check the X/Y direction data to the receiver is damage.

检查灯具内X、Y方向对应的数据反馈接收器(光电传感器)是否损坏;

◎Re-projector reset.

重新开机复位一次。

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