## **700W Led Profile Moving Head Light**

# **User Manual**



Please read the instructions carefully before use

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### 1. Precautions and Installation Precautions and installation

#### 1.1 The statement

Thank you for choosing our products!When this product leaves the factory, the performance is intact, the package is complete.In order to use this product safely and effectively, please read this instruction manual carefully and completely before using this product.This manual contains important installation and use information, please install and operate according to the requirements of the manual, at the same time, please keep this manual properly for use at any time.Our company does not assume any responsibility for the damage of the lighting or other performance caused by the failure of the individual to operate according to the instructions during installation, use and maintenance.

This manual is subject to technical changes without prior notice.

#### 1.2 maintenance

- Disconnect the power supply before performing maintenance.
- The lamp should be kept dry, avoid working in damp environment.
- Intermittent use will effectively prolong the life of the lamps.
- For good ventilation and lighting, take care to clean fans and fan nets and lenses frequently.
- Do not use alcohol and other organic solvents to wipe the lamp shell, so as not to cause damage.

#### **1.3 Product Precautions**

- This lamp is for professional use only.
- Before operation, ensure that the power supply voltage is consistent with equipment requirements.
- Do not place the product in places where it is easy to loose or shake.
- In the process of use, if the lamp is abnormal, stop using the lamp in time.
- To ensure the service life of the product, do not put the product in the damp or leaking place, and do not work in the environment where the temperature is above 60 degrees.
- When the bulb is used, the voltage change of the power supply should not exceed ±10%. If the voltage is too high, the life of the bulb will be shortened. If the voltage is too low, the light color of the bulb will be affected.
- After power off, it is necessary to use the lamp to cool down fully after 20 minutes before power on again.
- Rotating parts of lamps and lanterns and sticking accessories must be checked regularly, loose, shaking timely reinforcement, in case of accidents.
- To ensure the normal use of this product, please read this instruction carefully.

#### **1.4 Product introduction**

- Light source power: W;
- Voltage: AC 200V~240V/50~60Hz;

- Color plate: each color plate is composed of 13 color plates + white light;
- Pattern plate: 14 pattern effects;
- 540 degrees translation, 270 degrees tilt.
- Overheating protection;
- Control mode: DMX512/ master slave/automatic;
- IP20 protection level

#### 1.5 Signal line connection

Lamps feature standard DMX input and output 3-core or 5-core XLR sockets.Please use shielded twisted-pair signal cable specially for DMX 512;The signal line is generally connected at a distance of 150 meters. When long-distance signal is transmitted, DMX512 signal amplifier must be added.

A shielded twisted-pair signal line is used to connect the DMX output port of the controller to the DMX input port of the first device, and from the DMX output port of the first device to the DMX input port of the second device, and so on, until all lamps are connected. Then install a terminal plug on the 3-core jack of the last connecting lamp output in each circuit.(Weld a 4/1W, 120  $\omega$  resistor between the 2 and 3 pins of the 3-core card plug with a needle).

Important: Wires should not touch each other or metal enclosures.



Figure 1 Schematic diagram of DMX signal cable connection

> Calculation method of initial address code of lamps:

The start address code of the current lamp is equal to (the start address code of the previous lamp)+(the number of channels of the lamp)

1: the start address of the first lamp is A001.

2: the basic number of channels of the controller should be greater than or equal to the total number of channels used by the lamp.

3: Note: when using any controller, each lamp should have its own start address code, if the start address code of the first lamp is set to A001, the number of lamps is 16CH;The starting address code of the second lamp is set to A017.The starting address code of the third lamp is set to A033;And so on,(this setting method also needs to be determined according to different console)

#### 1.6 Installation of lamps and lanterns

Lamps can be placed horizontally, diagonally or upside down.Pay attention to the installation method when slant and upside down.

As shown in Figure 2, it is necessary to ensure the stability of the installation site before positioning the lamp. During the installation of the inverted hanging, it is necessary to ensure that the lamp does not fall off from the support frame, and the safety rope should be used to pass through the support frame and the handle of the lamp for auxiliary hanging to ensure safety. Prevent lamp from falling and sliding.

During the installation and debugging of the lamps, pedestrians are not allowed to pass under the lamps. Check regularly whether the safety ropes are worn or the hook screws are loose.

Our company will not assume any responsibility for any consequences caused by falling of the lamp due to unstable hanging installation.



FIG. 2 Schematic diagram of upside-down lamps

### 2. The control panel

#### 2.1 Key Description



FIG. 3 Schematic diagram of panel keys

The following takes "modify DMX address code" as an example to describe the use of keys:

1. If the current screen is not the main screen, press the "Left" key (one or more times) to return to the main screen

- 2. On the home screen, press the Up or Down key to select the Settings button
- 3. Press "OK" to enter the "Settings" interface
- 4. In the "Settings" interface, press "Up" or "Down" to select "DMX Address".
- 5. Press "OK" to enter editing mode
- 6. Press the "Up" or "Down" key to modify DMX address code
- 7. Press OK to exit the editing mode
- 8. Press the right button on the main interface to enter the calibration menu shortcut key.



#### 2.2 Menu Description



FIG. 4 Schematic diagram of main menu

#### 2.2.1 DMX Settings

Key description: press up or down is +1 or -1 mode;Press up or down to quickly adjust the address code mode.Press ok to return

Manual description: first input hundreds, then tens, and finally a bit.(For example, to enter 286, press 2, then 8, then 6)

#### 2.2.2 / En

#### Switching between Chinese and English interface;

options		instructions
System	DIS	Display board software version
version	MT	Motor board software version
The		Display bead temperature
temperature		
information		
Fan	The fan speed	Displays the fan speed information

#### 2.2.3 System Information



information		
The system	Total light bubble	Cumulative bubble time (accurate to minutes)
time	The bright bubble	Time of this bubbling (accurate to minutes)
	Total service time	Total usage time (accurate to minutes)
	Time of use	Usage time since this startup (accurate to
		minute)
	Manufacture date	
	The access time	9999 means no encryption and can be used
		for a long time.
		Other values indicate the remaining use time,
		with encryption;
Sensor	X hall	0 when magnetic is detected, 1 otherwise
monitoring	Y hall	0 when magnetic is detected, 1 otherwise
	Color disc hall	0 when magnetic is detected, 1 otherwise
	CMY hall	0 when magnetic is detected, 1 otherwise
	The CTO hall	0 when magnetic is detected, 1 otherwise
	Fixed pattern disc	0 when magnetic is detected, 1 otherwise
	Glass hall	0 when magnetic is detected, 1 otherwise
	Glass pattern spin	0 when magnetic is detected, 1 otherwise
	hall	
	Adjustable	0 when magnetic is detected, 1 otherwise
	JiaoHuoEr	
	Enlarge hole,	0 when magnetic is detected, 1 otherwise
	Prism 1 rotates	0 when magnetic is detected, 1 otherwise
	Hall	
	X indicates the	Two digits, each corresponding to a
	disk status	photoelectric switch on the coding disk
	Y Indicates the	Two digits, each corresponding to a
	status of the	photoelectric switch on the coding disk
	encoding disk	
	X-axis encoding	In the positive direction, the step value should
	disk step value	increase, in the opposite direction, the step
		value should decrease. The same value is
		normal every time you turn to the same point
	Y-axis encoding	In the positive direction, the step value should
	disk step value	increase, in the opposite direction, the step
		value should decrease. The same value is
		normal every time you turn to the same point
System error		If the red ERR indicator lights up, it indicates
		that the lamp is running wrong. Details can be
		viewed in the sub-interface.After viewing, you
		can press the "Clear" button to clear error
		records



DMX channel	This leads to a subinterface that displays
value	channel values in numerical and percentage
monitoring	terms for viewing

Common instructions	
error	
messages	
MT board	Motor board is not responding. The serial communication line
connection	connecting the display board to the motor board is faulty, or the
failed.	motor board is faulty.
Procedure	
The X-axis	X-axis photoelectric switch, or X-axis motor or motor board
reset fails	problem
The Y-axis	Y photoelectric switch, or Y motor or motor board problem
reset fails	
X-axis Hall	X axis Hall, or motor plate problem
error	
Y-axis Hall	Y axis Hall, or motor plate problem
error	
The color disk	Color plate Hall, or color plate motor problem
failed to reset.	
Procedure	
Failed to reset	Pattern plate Hall, or pattern plate motor problem
the pattern	
disk	
The focus	There is a problem with the focusing hall or the focusing motor
reset failed	

### 2.2.4 Lighting Settings

options	instructions		
DMX channel	36CH 36 channel mode		
language	Chinese	Set the interface to Chinese	
	English	Set the interface to English	
Screen rotation	guan	Positive display	
	open	The screen is displayed inversely	
Automatic screen guan		Disable the automatic flip function	
flip	open	Gravity sensor automatically reverses	
The dimming	Square	index	
curve	linear	A straight line	
	SCurve	sine	
	InSquare	logarithmic	

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RDM function	guan	The RDM function is enabled
	open	Disable the RDM function
DMX signal	keep	Continue running as before
	reset	Motor back, stop running
Screen saver	guan	Close the screen saver
	open	Open the screen saver
X inversion	guan	The default
	open	Switch the starting and ending points
Y inversion	guan	The default
	open	Switch the starting and ending points
XY exchange guan		The default
open		Channels for exchanging XY axis (including fine tuning)
XY encoder open		Use an encoder (optocoupler) to determine out-of-step
		and automatically correct position
	guan	No encoder (optocoupler) is used to correct position
Restore default		Press OK to see the confirmation dialog box. Press OK
Settings		again to restore the default Settings

### 2.2.5 Operating Mode

Since	walking	DMX		Slave state: receiving DMX signal from console or host
pattern		Since	the	Host state: self-powered and sends DMX signal to slave
		go		
		Voice		
		control		

Manual control (Click the Operation mode menu on the main interface, select the item of manual control, and press "confirm" to enter manual control)

This interface is used to control the current lamps and lanterns, and at the same time, it automatically enters the host state (it does not receive DMX signal, it is the host in self-walking mode, and it sends DMX signal to the bus to the slave).

The manual menu will display 36 channels according to the standard 36 channels set in the Settings menu.

options			instructions
1CH. X	0	~	Press "OK" to enter editing mode.At this time,
	255		select the hundreds and press the "up" and
	0	~	"down" keys to change the channel
	255		value.Press OK again to select the ten place
35 ch. Aperture	0	~	edit.Press "OK" again to select the bits to
	255		edit.Press again to exit the edit mode
36 ch. Reset			Press "OK" to see the confirmation dialog box.
			Press "OK" again to enter the reset interface
			and reset all the motors



ALL reset	Press "OK" to see the confirmation dialog box. Press
	"OK" again to enter the reset interface and reset all the
	motors
XY reset	Press "OK" to see the confirmation dialog box. Press
	"OK" again to enter the reset interface. XY is reset
MT reset	Press "OK" to see the confirmation dialog box. Press
	"OK" again to enter the reset interface and reset the
	small motor

### 2.2.6 Factory Settings

options	instructions			
Electrical	The X axis	After entering the sub-interface, you can		
calibration	Y	adjust the reset position of the X axis, Y axis		
	Color plate	and other motors to compensate for errors in		
	Fixed pattern disc	hardware installation. The adjustment range is		
	Glass patterned	-128~+127, +0 means no adjustment.		
	disc			
	Glass pattern			
	rotation			
	Effect disk zero			
	Effect plate stroke			
	Show refers to			
	zero			
	Show refers to			
	travel			
	Color temperature			
	cyan			
	magenta			
	yellow			
	focusing			
	amplification			
	Prism 1 zero			
	Prismatic 1 stroke			
	Prism 2 zero			
	Prismatic 2 stroke			
	Prism 1 rotation			
	Prism 2 rotation			
	Atomization zero			
	Atomization trip			
	Cutting disc			
	The aperture			
	Cut 1			

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	Cut 2	
	Cutting 3	
	Cutting 4	
	Cutting 5	
	Cutting 6	
	Cutting 7	
	Cut 8	
XY speed	The X axis speed	000-255, slow to fast adjustment
regulation	The Y axis speed	
Fan	Fan regulation	Do only temporary adjustment, power does
regulation	The fan speed	not save

### 3. Channel Function

#### 3.1 The channel table

	The channel model							
	36 channels		42 channel	60 channel				
1	Х	1	1 X		X			
2	X fine-tuning	2	X fine-tuning	2	X fine-tuning			
3	Y	3	Υ	3	Υ			
4	Y fine-tuning	4	Y fine-tuning	4	Y fine-tuning			
5	XY speed	5	XY speed	5	XY speed			
6	Light	6	Light	6	Light			
	cutting/stroboscopic		cutting/stroboscopic		cutting/stroboscopic			
7	The dimmer	7	The dimmer	7	The dimmer			
8	С	8	The dimming	8	The dimming			
			fine-tuning		fine-tuning			
9	Μ	9	amplification	9	amplification			
10	Y	10	Zoom in fine-tuning	10	Zoom in fine-tuning			
11	СТО	11	focusing	11	focusing			
12	Color plate	12	Focusing	12	Focusing			
			fine-tuning		fine-tuning			
13	Show value piece	13	autofocus	13	autofocus			
14	Fixed pattern disc	14	Auto focus fine	14	Auto focus fine			
			tuning		tuning			
15	Glass design	15	color	15	color			
16	Glass pattern	16	Show value piece	16	Colour adjustment			
	rotation							
17	Effect of plate	17	С	17	Show value piece			
18	Effect spiral	18	Μ	18	Display chip fine			

					tuning
19	focusing	19	Y	19	С
20	Focusing	20	СТО	20	C fine-tuning
	fine-tuning				
21	amplification	21	pattern	21	Μ
22	Prism 1 + 2	22	Glass design	22	M fine
23	Prism 1 rotation	23	Glass pattern	23	Y
			rotation		
24	Prism 2 rotation	24	Rotation fine-tuning	24	Y fine-tuning
25	atomization	25	Effect of insert	25	СТО
26	Section 1	26	Effect of plate	26	The CTO
					fine-tuning
27	Section 2	27	The aperture	27	pattern
28	Section 3	28	Prism 1	28	Glass design
29	Section 4	29	Prism 1 rotation	29	Glass pattern
					rotation
30	Section 5	30	Prism 2	30	Rotation fine-tuning
31	Section 6	31	Prism 2 rotation	31	Effect of insert
32	Section 7	32	atomization	32	Effect of plate
33	Section 8	33	Section 1	33	The aperture
34	Cutting disc	34	Section 2	34	Aperture fine-tuning
35	The aperture	35	Section 3	35	Prism 1
36	function	36	Section 4	36	Prism 1 turns itself
		37	Section 5	37	Prism 1 rotation fine
					tuning
		38	Section 6	38	Prism 2
		39	Section 7	39	Prism 2 turns itself
		40	Section 8	40	Prism 2 rotation fine
					tuning
		41	Cutting disc	41	atomization
		42	function	42	Section 1
				43	Slice 1 Fine tuning
				44	Section 2
				45	Slice 2 Fine tuning
				46	Section 3
				47	Slice 3 Fine tuning
				48	Section 4
				49	Slice 4 Fine tuning
				50	Section 5
				51	Slice 5 Fine tuning
				52	Section 6
				53	Slice 6 Fine tuning
				54	Section 7



 1			
		55	Slice 7 Fine tuning
		56	Section 8
		57	Slice 8 Fine tuning
		58	Cutting disc
		59	Cutting plate of
			fine-tuning
		60	function

### Channel parameter values (full version) :

36 chann els	42 channe I	60 channel	The name of the	The numerical	describe
CH1		CH1	X	0-255.	0-540 degrees
CH2		CH2	X fine-tuning	0-255.	0-2 degrees
СНЗ		CH3	Y	0-255.	0-270 degrees
CH4		CH4	Y fine-tuning	0-255.	0-1 degrees
CH5		CH5	XY speed	0-255.	From fast to slow
				0-3	GuanGuang
	CH6	CH6	Light cutting/strobos copic	4-127.	From slow to fast pulse stroboscope
CH6				128-191.	Blinking from slow to fast gradually
				192-251.	Flicker randomly from slow to fast
				252-255.	medallion
CH7	CH7	CH7	The dimmer	0-255.	0-100% dimmer
	CH8	CH8	The dimming fine-tuning	0-255.	0-100% dimmer
	СН9	СН9	amplification	0-255.	From small to large
	CH10	CH10	Zoom in fine-tuning		
	CH11	CH11	focusing	0-255.	From far to near
	CH12	CH12	Focusing fine-tuning		



	CH13	13 CH13	autofocus Auto focus fine	0-63.	There is no
				64-127.	7.5 meters
				128-255.	15 meters
				0-255.	
	CH14	CH14	tuning		
				0-127.	Linear color
				128-137.	Color 1
				138-146.	2 colors
				147-155.	The color of 3
				156-164.	4 color
				165-173.	Color 5
	CH15	CH15	color	174-182.	Color 6
				183-191.	Seven colors
				192-222.	From fast to slow forward water
				223-224.	stop
				225-255.	Reverse flow from slow to fast
			Colour		
		CH16	adjustment		
	01140	0147	Show value	0	There is no
	CHID		piece	1-255.	0-100% linear insertion
		CH18	Display chip		
			fine tuning		
CH8	CH17	CH19	C	0-255.	
		CH20	C fine-tuning		
CH9	CH18	CH21	М	0-255.	
		CH22	M fine		
CH10	CH19	CH23	Y	0-255.	
		CH24	Y fine-tuning		
CH11	CH20	CH25	СТО	0-255.	
		CH26	The CTO		
			fine-tuning		-
				0-9	
				10-19	Design 1
	CH21	CH27	Fixed pattern	20 to 29	Design 2
	311 <u>2</u> 1	J. 12/	disc	30-39	Pattern 3
				40-49	Pattern 4
				50 to 59	Pattern 5

				60-69.	Design 6
				70-79.	Design of 7
				80-89.	Design of eight
				90-99.	Shake pattern 1 from slow to fast
				100-109.	Shake pattern 2 from slow to fast
				110-119.	Shake the pattern from slow to fast 3
				120-129.	Shake the pattern from slow to fast 4
				130-139.	Shake the pattern from slow to fast 5
				140-149.	Shake the pattern from slow to fast 6
				150-159.	Shake pattern 7 from slow to fast
				160-169.	Shake the pattern from slow to fast 8
				170-212.	From fast to slow forward water
				213-215.	stop
				216-255.	Reverse flow from slow to fast
				0-9	The white light
				10-19	Design 1
				20 to 29	Design 2
				30-39	Pattern 3
				40-49	Pattern 4
				50 to 59	Pattern 5
				60-69.	Design 6
	CH22	CH28	Glass design	70-79.	Shake pattern 1 from slow to fast
				80-89.	Shake pattern 2 from slow to fast
				90-99.	Shake the pattern from slow to fast 3
				100-109.	Shake the pattern from slow to fast 4
				110-119.	Shake the pattern from slow



					to fast 5
				120-129.	Shake the pattern from slow to fast 6
				130-190.	From fast to slow forward water
				191-192.	stop
				193-255.	Reverse flow from slow to fast
				0-127.	Angle switching
				128-190.	From fast to slow forward water
	CH23	CH29	Glass pattern	191-192.	stop
			rotation	193-255.	Reverse flow from slow to fast
	0424	CH 20	Rotation		
	6п24	СПЗО	fine-tuning		
			Color plate	0-127.	Linear color
				128-137.	Color 1
				138-146.	2 colors
				147-155.	The color of 3
				156-164.	4 color
				165-173.	Color 5
CH12				174-182.	Color 6
				183-191.	Seven colors
				192-222.	From fast to slow forward water
				223-224.	stop
				225-255.	Reverse flow from slow to fast
CH13			Show refers to the piece	0-255.	The linear insertion
				0-9	The white light
				10-19	Design 1
				20 to 29	Design 2
			Fixed pattern	30-39	Pattern 3
CH14			disc	40-49	Pattern 4
				50 to 59	Pattern 5
				60-69.	Design 6
				70-79.	Design of 7

				80-89.	Design of eight
				90-99.	Shake pattern 1 from slow to fast
				100-109.	Shake pattern 2 from slow to fast
				110-119.	Shake the pattern from slow to fast 3
				120-129.	Shake the pattern from slow to fast 4
				130-139.	Shake the pattern from slow to fast 5
				140-149.	Shake the pattern from slow to fast 6
				150-159.	Shake pattern 7 from slow to fast
				160-169.	Shake the pattern from slow to fast 8
				170-212.	From fast to slow forward water
				213-215.	stop
				216-255.	Reverse flow from slow to fast
				0-9	The white light
				10-19	Design 1
				20 to 29	Design 2
				30-39	Pattern 3
				40-49	Pattern 4
				50 to 59	Pattern 5
				60-69.	Design 6
CH15			Glass design	70-79.	Shake pattern 1 from slow to fast
				80-89.	Shake pattern 2 from slow to fast
				90-99.	Shake the pattern from slow to fast 3
				100-109.	Shake the pattern from slow to fast 4
				110-119.	Shake the pattern from slow to fast 5
				120-129.	Shake the pattern from slow



			]		to fast 6
				130-190.	From fast to slow forward water
				191-192.	stop
				193-255.	Reverse flow from slow to fast
				0-127.	Angle switching
				128-190.	From fast to slow forward water
CH16			Glass pattern	191-192.	stop
CHIO			rotation	193-255.	Reverse flow from slow to fast
CH17	CH25	СН31	Effect of cut	0 to 10	Remove the
	01123			11-255.	The linear insertion
				0-2	stop
01140	CH26	CH32	Effect of plate	3-128.	From fast to slow forward water
CH18	H18			129-255.	Reverse flow from slow to fast
	01107	CLIDD	The	0-127.	From big to small
		СПЗЗ	aperture	128-255.	Systolic function
		CH34	Aperture fine-tuning		
	CUDO	CH2E	Driam 1	0-127.	Remove the prism
	СП20	СПЭЭ	Prism 1	128-255.	Prism 1
				0-127.	Angle switching
	01100	01100	Prism 1	128-187.	From fast to slow forward water
	CH29	CH36	rotation	188-195.	stop
				196-255.	Reverse flow from slow to fast
			Prism 1		
		CH37	rotation		
			fine tuning		
	CH30	СН38	Prism 2	0-127.	Remove the prism
				128-255.	Prism 2
				0-127.	Angle switching
	CH31	СН39	Prism 2 rotation	128-187.	From fast to slow forward water
			188-195.	stop	



				196-255.	Reverse flow from slow to fast
		CH40	Prism 2 rotation fine tuning		
CH19			focusing	0-255.	From far to near
CH20			Focusing fine-tuning		
CH21			amplificati on	0-255.	From small to large
				0-63.	Remove the prism
				64-127.	Prism 1
CH22			A prism	128-191.	Prism 2
				192-255.	Prism one plus prism two
				0-127.	Angle switching
0,100			Prism 1	128-187.	From fast to slow forward water
CH23			rotation	188-195.	stop
				196-255.	Reverse flow from slow to fast
				0-127.	Angle switching
				128-187.	From fast to slow forward water
01104			Prism 2	188-195.	stop
Сп24			rotation	196-255.	Reverse flow from slow to fast
				0-127.	There is no
CH25	CH32	CH41	atomizatio n	128-255.	atomization
CH26	CH33	CH42	Section 1	0-255.	The linear insertion
		CH43	Slice 1 Fine tuning		
CH27	CH34	CH44	Section 2	0-255.	The linear insertion
		CH45	Slice 2 Fine tuning		
CH28	CH35	CH46	Section 3	0-255.	The linear insertion
		CH47	Slice 3 Fine		



			tuning		
CH29	CH36	CH48	Section 4	0-255.	The linear insertion
			Slice 4		
		CH49	Fine		
			tuning		
CH30	CH37	CH50	Section 5	0-255.	The linear insertion
			Slice 5		
		CH51	Fine		
			tuning		
CH31	CH38	CH52	Section 6	0-255.	The linear insertion
			Slice 6		
		CH53	Fine		
			tuning		
CH32	CH39	CH54	Section 7	0-255.	The linear insertion
			Slice 7		
		CH55	Fine		
			tuning		
CH33	CH40	CH56	Section 8	0-255.	The linear insertion
			Slice 8		
		CH57	Fine		
			tuning		
CH34	CH41	CH58	Cutting disc	0-255.	Section Angle
			Cutting		
		CH59	plate of		
			fine-tuning		
CH35			The	0-127.	From big to small
0035			aperture	128-255.	Systolic function
				210-215.	Reset XY for more than 6
					seconds
				220-235.	Reset effect motor for more
CH36	CH42	CH60	function		than 6 seconds
				240-255.	More than 6 seconds to
					reset all

### 4. Common faults

In view of some common faults, the corresponding solutions are put forward. Any problems that can't be solved should be dealt with by professionals. Disconnect the power supply before servicing the lamp.

- 1. The light bulb not bright
- Check whether the voltage matching the lamps and lanterns is installed;
- Check whether the lamp power supply connection or control switch is in bad contact;
- Check whether electricity supply is insufficient;
- Check whether the DMX512 controller is sending instructions.

#### 2. The lamp does not accept the control of the console after normal reset

- Check the luminaire digital start address value and function options are correct;
- Check whether the connection of communication control line is correct, communication line is too long or has been interrupted;
- Check whether the control equipment fails, check whether the serial access signal amplifier fails;
- Check whether the communication line is too long or other devices interfere with each other;
- Optimize wiring, shorten the length of control signal lines, separate high voltage and low voltage lines;
- Add signal amplifier;
- High quality shielded twisted-pair cable is used for signal cable;
- Connect the signal terminal resistor (120 ohms) at the end of the lamp.

#### 3. Luminaire does not start

- Check whether the power supply parameters are consistent with the lamps;
- Check the lamps in the long-distance transportation process due to extrusion deformation, internal parts vibration, moisture and other reasons, resulting in poor contact

Or fall off.

- Please check whether the inner conductor connector of the lamp falls off or loosens.
- Check the electronic components of the lamp (such as electronic transformer, PCB board, motor control board, etc.) for loosening, short circuit and burning.
  - 4. When working, the action of X or Y axis of the lamp is abnormal
- Check one by one according to the previous step;
- Check whether the transmission belt corresponding to X and Y axis direction in the lamp falls off and breaks;
- Check whether the data feedback receiver (photocoupler) corresponding to X and Y directions in the lamp is damaged;
- Reboot and reset once.