CY-PM StagePro7

User Manual

Please read the instructions carefully before use

Orders to record

1. Precautions for Installation Precautions for installation

1.1 The statement

Thank you for choosing our products!This product at the factory, the performance is intact, the package is complete.For your safe and effective use of this product, please read this manual carefully and completely before you use this product.This instruction manual contains important information for installation and use. Please install and operate according to the instructions. Meanwhile, please keep this instruction manual properly for use at any time.Our company does not assume any responsibility for the damage of lamps or other performance due to the failure of individuals to follow the instructions during installation, use or maintenance.

This manual is subject to technical change without prior notice.

1.2 Maintenance and maintenance

- Please disconnect the power supply before maintenance.
- The lamp should be kept dry and avoid working in wet environment.
- Intermittent use will effectively extend the life of the lamp.
- For good ventilation and lighting, take care to clean the fan and fan net as well as the lens frequently.
- Do not rub the lamp shell with alcohol and other organic solvents to avoid damage.

1.3 Product Precautions

- This lamp is for professional use only.
- Before running, ensure that the power supply voltage is consistent with the required power supply voltage.
- Do not place the product in a place that is easy to loosen or vibrate.
- In the process of use, if the lamp is abnormal, it should stop using the lamp in time.
- In order to ensure the service life of the product, the product should not be placed in a damp or leaking place, and should not work in an environment where the temperature exceeds 60 degrees.
- When the bulb is used, the power supply voltage should not be more than ±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 failure, it takes 20 minutes for the lamp to be fully cooled before it can be powered on again.
- The rotating part of the lamp and the sticking parts must be checked regularly. If loose or shaking occurs, it should be reinforced in time to prevent accidents.
- To ensure the normal use of this product, please read the instructions carefully.

1.4 Product Introduction

- Input voltage: AC100-240V, 50/60Hz
- Rated power: 980W
- Light source: W LED module
- LED life: 20,000 hours

- Color temperature: 6800K
- Caliber: 138mm Frontal lens for greater performance
- Color rendering index: Standard mode Ra>75, high CRI mode Ra>90
- Luminous flux: 28000LM
- Signal interface: three-pin XLR (five-pin XLR optional)
- Control mode: DMX512, RDM, Auto Mode, master-slave, Sound activation
- Channel mode: 36CHs
- Display system: 2.7-inch touch LCD display, Chinese and English display, 180-degree rotation
- Fixed color: 7 colors + open position
- Color mixing system: independent CMY color mixing system
- Color temperature adjustment: independent CTO 2700K-7000K linear adjustment
- Prisms: Rotating 3-faced prism+6-faced linear prism, two prisms can be overlaid
- Effect wheel: dynamic effects such as stunning simulated dynamic flames, gurgling water, etc.
- Fixed Gobo wheel: 8 fixed gobos+open position
- Rotating gobo Wheel: 6 gobos (pluggable), outer diameter 27.9mm, effective diameter 16.5mm, thickness 1.1mm+Open position
- Framing system: 4 Individually positionable Shutter Blades, each piece can be closed separately and can be rotated +/- 90°
- Frost system: 0~100% linear atomization
- Iris system: 5%~100% smooth adjustment
- Beam Aperture: 4.5°~50° fast motorized linear zoom
- Dimming system: 0-100% linear adjustment
- Strobe system: the highest frequency can reach 25Hz, and random strobe and pulse strobe can be selected
- Pan: 540° (16 bit precision scanning)
- Tilt: 270° (16 bit precision scanning)
- Pan/Tilt: Five-phase motor with magnetic encoding positioning function
- Protection rate: IP20
- Working environment: 0-45℃
- Product size: 510*345*800(mm)
- Carton size: 730*690*590 (mm)
- Product net weight: 40KG
- Product gross weight:48.5KG
- Product appearance: flame retardant, high temperature resistance, folding clamp

1.5 Signal wire connection

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

Connect a shielded twisted-pair signal line from the DMX outlet of the controller to the DMX input of the first device, and from the DMX input of the first device to the DMX input of the second device, and so on, until all lights are connected. Then install a terminal plug on the last connecting 3-core jack of the light fixture output in each row.(Weld a 4/1W, 120Ω resistance

between pins 2 and 3 of the 3-core pin cannon plug).

Important: Wires should not touch each other or the metal case.

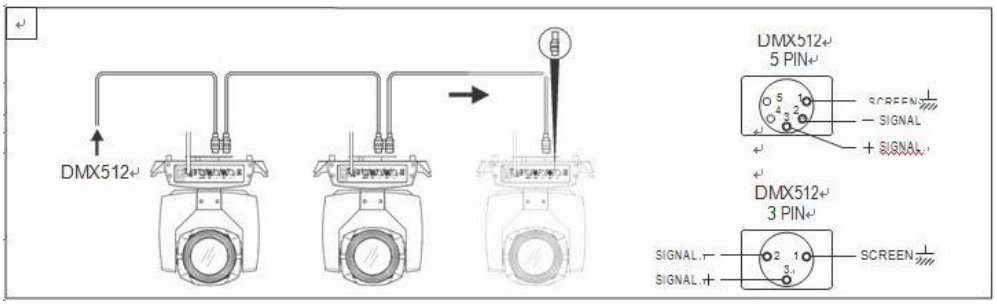

Figure 1 Schematic diagram of DMX signal cable connection

➢ Calculation method of initial address code of lamps:

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

1: The starting address code of the first lamp is A001.

2: The basic channel number 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 initial address code, if the first lamp's initial address code is set A001, the lamp channel number is 16CH;Then the initial 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 mode also needs to be determined according to different console)

1.6 Installation of lamps

Lamps can be placed horizontally, slanted or hung upside down.Pay attention to the installation method when hanging it slanting or upside down.

As shown in Figure 2, before positioning the lamp, the stability of the installation site should be ensured. During the reverse hanging installation, the lamp must not fall down on the support frame, and the safety rope should be used to pass through the support frame and the lamp handle for auxiliary hanging to ensure safety. Prevent lamps from falling and sliding.

When the lamp is installed and adjusted, pedestrians are not allowed to pass under it. Periodically check whether the safety rope is worn and whether the hook screw is loose.

Our company does not assume any responsibility for all the consequences caused by the fall of the lamp due to the unstable installation of the hanging.

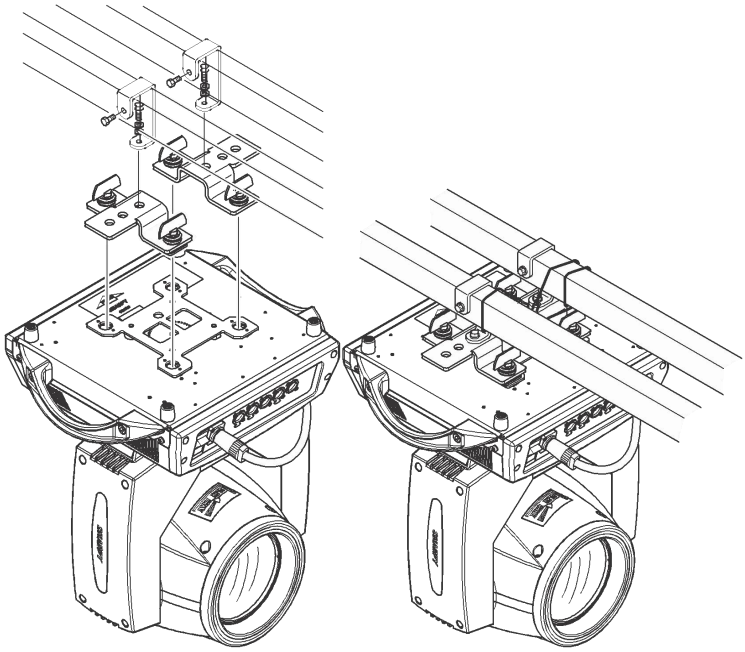

Figure 2. Schematic diagram of hanging lamps upside down

2. Control panel

2.1 Key Description

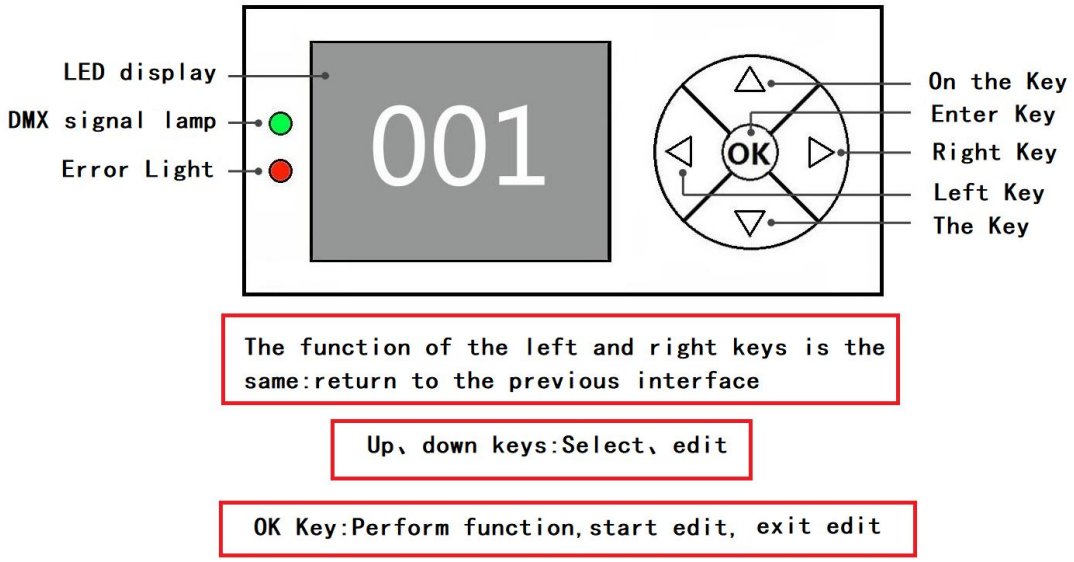

Figure 3. Description of panel keys

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

1. If the current home screen is not displayed, press the Left key (one or more times) to return to the home screen
2. On the home screen, press the Up or Down key to select the Settings button
3. Press the OK key to enter the Settings screen
4. In the "Settings" interface, press the "Up" key or "Down" key to select "DMX Address"
5. Press "OK" to enter the editing state
6. Press the "Up" key or "Down" key to modify the DMX address code
7. Press the "OK" key to exit the editing state
8. Press the right button on the main interface to enter the calibration menu.

2.2 Menu Description

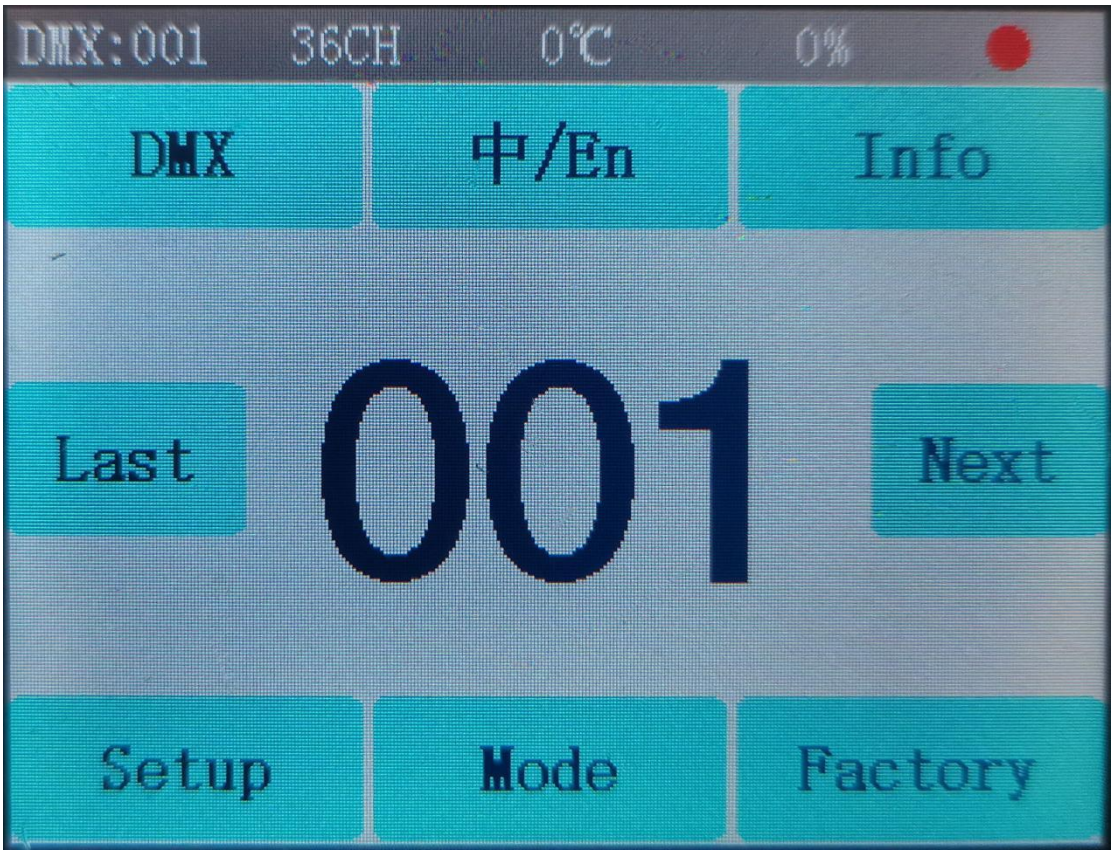

Figure 4 Main menu diagram

2.2.1 DMX Settings

Key description: Press up or down to +1 or -1 mode;Press one or the next, quickly adjust the address code mode;Press the Confirm key to return

Manual instruction: Enter the hundreds place, then the tens place, and then the last place.(For example, if you enter 286, click 2, then 8, and finally 6)

2.2.2 Medium /En

English and Chinese interface switch;

2.2.3 System Information

options	instructions	
System version	DIS	Display board software version
	MT	Motor board software version
Temperature information		Display bead temperature

Fan Information	Fan speed	Displays fan speed information
System time	Total bright bubble	Cumulative brightening time (accurate to minutes)
	This brightening bubble	The brightening time (accurate to minute)
	Total service time	Cumulative usage time (accurate to minutes)
	Time of use	Usage time since this startup (accurate to minutes)
	Date of manufacture	
	Permission Duration	9999 indicates no encryption and can be used for a long time. Other values represent the remaining use time, encrypted;
Sensor monitoring	X Hall	0 when magnetic is detected, 1 otherwise
	Y Hall	0 when magnetic is detected, 1 otherwise
	Color plate hall	0 when magnetic is detected, 1 otherwise
	CMY Hall	0 when magnetic is detected, 1 otherwise
	CTO Hall	0 when magnetic is detected, 1 otherwise
	Fixed pattern pan	0 when magnetic is detected, 1 otherwise
	Glass pattern hall	0 when magnetic is detected, 1 otherwise
	Glass pattern rotation Hall	0 when magnetic is detected, 1 otherwise
	Focus hall	0 when magnetic is detected, 1 otherwise
	Enlarge Hall	0 when magnetic is detected, 1 otherwise
	Prism 1 rotary hall	0 when magnetic is detected, 1 otherwise
	X Code disk status	Two digits, each corresponding to a photoelectric switch in the code disc
	Y Code disk status	Two digits, each corresponding to a photoelectric switch in the code disc
	X-axis encoding disk step value	The number of steps should increase when walking in the forward direction and decrease when walking in the opposite direction. Every time you go to the same point, the value is normal
	Y-axis encoding disk step value	The number of steps should increase when walking in the forward direction and decrease when walking in the opposite direction. Every time you go to the same point, the value is normal
System error		If the red ERR indicator lights up, it indicates that the lamp is running incorrectly. You can enter the

		sub-interface to check the details. After viewing, you can press the "Clear" key to clear the error record
DMX channel value monitoring		The sub-screen displays the channel value in numerical and percentage terms for viewing

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

2.2.4 Lighting setup

options	instructions	
DMX channel	36CH	36 channel mode
language	Chinese	Set the interface to Chinese
	English	Set the interface to English
Screen flip	guan	Front face display
	open	The screen is displayed in reverse
Automatic screen flip	guan	Disable the automatic flip function
	open	Gravity sensing automatically reverses

Dimming curve	Square	index
	linear	A straight line
	SCurve	sine
	InSquare	logarithmic
RDM Function	guan	The RDM function is enabled
	open	Disable the RDM function
DMX signal	keep	Continue running in the original state
	reset	The motor turns back and stops running
Screen saver	guan	Turn off the screensaver
	open	Open the screensaver
Light tracing mode	guan	Shut down
	Mode 1	XY has no power in light pursuit mode
	Mode 2	Very low intensity in XY mode
X reversal	guan	The default
	open	The starting point and the ending point are switched
Reversal of Y	guan	The default
	open	The starting point and the ending point are switched
XY exchange	guan	The default
	open	Exchange XY axis channel (including fine tuning)
XY encoder	open	Use an encoder (optocoupler) to determine the out-of-step and automatically correct the position
	guan	No encoder (optocoupler) is used to correct the position
Restore Default Settings		After you press the OK key, the confirmation dialog box is displayed. Press the OK key again to restore the default Settings

2.2.5 Running Mode

Self walking mode	DMX	Slave state: Receives DMX signals from the console or host
	Since the go	Host state: Self-drive and send DMX signal to slave
	Voice control	
	Scenario 1, 2, 3	Turn on scene self - walk
	Program 1, 2, 3	Call console programming program to walk
Scenario Running	all	All open scenarios run sequentially
	From 1 to 5	Call a scene run individually
Scene Setting	Scene channel Saving	Edit number Press the "Confirm" button to save (display: saving)
	Multi-step scenario group	1, 2, 3;There are three groups
	Scene step selection	Under the current group, switch to the number of steps you want to edit
	Scene time (s)	1-100.Total time for each step to run

	Scene delay (%)	0-100;Gradient percentage, 0 is direct jump;
	Scenario Running	Open, running mode all can be called;Closing can only be invoked separately
	1 to 36 Channel values	
Console programming	Program 1, 2, 3	Switch the program position to record, press the "Confirm" button to enter the programming record interface, need to connect to the console
	Time (S)	Set the running time for each step
	They count	Current step of program
	Clearing Data	Clear all data of the current program
Console programming >> Programming interface		Adjust the number of steps up and down, connect the console to save;

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

This interface is used to control the current lamp and automatically enter the host state (no DMX signal is received, in self-walking mode is the host, and sends DMX signal to the bus to the slave machine).

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

options	instructions	
1CH. X	0 ~ 255	Press the "OK" key to enter the editing state. Select the hundreds digit and press the Up and Down keys to change the channel value. Press OK again to select the tens edit. Press "OK" again to select the ones bit edit. Press again to exit the editing state
...	0 ~ 255	
35CH. Aperture	0 ~ 255	
36CH. Reset		Press the "OK" button and see the confirmation dialog box. Press the "OK" button again to enter the reset interface and reset all the motors

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

2.2.6 Factory Settings

options	instructions	
Calibration of motor	The X axis	After entering the sub-interface, you can adjust the reset position of X axis, Y axis and other motors to make up for the error in hardware installation. The adjustment range is -128 to +127, and +0 indicates no adjustment.
	Y	
	Disk of color	
	Fixed pattern plate	
	Glass pattern plate	
	Glass pattern rotation	
	Effect plate zero point	
	Stroke of effect plate	
	Apparent zero point	
	Apparent indicative stroke	
	Color temperature	
	cyan	
	magenta	
	yellow	
	focusing	
	amplification	
	Prism 1 zero point	
	Prism 1 stroke	
	Prism 2 zero point	
	Prism 2 stroke	
	Prism 1 rotation	
	Prism 2 rotation	
	Zero point of atomization	
	Stroke of atomization	
	Cutting rotary plate	
	The aperture	
	Cut 1	
	Cut 2	
	Cut 3	
	Cut 4	
	Cut 5	

	Cut 6	
	Cut 7	
	Cut 8	
XY speed adjustment	X axis velocity	000-255, speed slow to fast adjustment
	Y axis velocity	
Regulation of fan	Regulation of fan	Only do temporary adjustment, power does not save
	Fan speed	

3. Function of channel

3.1 Table of channels

Channel mode					
Channel 36		Channel 42		Channel 60	
1	X	1	X	1	X
2	X fine tuning	2	X fine tuning	2	X fine tuning
3	Y	3	Y	3	Y
4	Y fine tuning	4	Y fine tuning	4	Y fine tuning
5	XY velocity	5	XY velocity	5	XY velocity
6	Cut light/stroboscopic	6	Cut light/stroboscopic	6	Cut light/stroboscopic
7	The dimmer	7	The dimmer	7	The dimmer
8	C	8	Dimming fine tuning	8	Dimming fine tuning
9	M	9	amplification	9	amplification
10	Y	10	Magnification and fine-tuning	10	Magnification and fine-tuning
11	CTO	11	focusing	11	focusing
12	Disk of color	12	Focus tuning	12	Focus tuning
13	Slice of value	13	Auto focus	13	Auto focus
14	Fixed pattern plate	14	Auto focus fine tuning	14	Auto focus fine tuning
15	Pattern of glass	15	Disk of color	15	Disk of color
16	Glass	16	Slice of	16	Color disk

	pattern rotation		value		fine-tuning
17	Disc of effect	17	C	17	Slice of value
18	Effect spiral turn	18	M	18	Fine tuning of the display piece
19	focusing	19	Y	19	C
20	Focus tuning	20	CTO	20	C Fine tuning
21	amplificatio n	21	pattern	21	M
22	Prism one plus two	22	Pattern of glass	22	M fine tuning
23	Prism 1 rotation	23	Glass pattern rotation	23	Y
24	Prism 2 rotation	24	Fine adjustment of rotation	24	Y fine tuning
25	atomization	25	Effect insertion	25	CTO
26	Section 1	26	Disc of effect	26	CTO fine-tuning
27	Section 2	27	The aperture	27	pattern
28	Section 3	28	Prism 1	28	Pattern of glass
29	Section 4	29	Rotation of prism 1	29	Glass pattern rotation
30	Section 5	30	Prism 2	30	Fine adjustment of rotation
31	Section 6	31	Rotation of prism 2	31	Effect insertion
32	Section 7	32	atomization	32	Disc of effect
33	Section 8	33	Section 1	33	The aperture
34	Cutting disc	34	Section 2	34	Fine tuning of aperture
35	The aperture	35	Section 3	35	Prism 1
36	function	36	Section 4	36	Prism 1 self-rotati

					ng
		37	Section 5	37	Prism 1 rotation fine-tuning
		38	Section 6	38	Prism 2
		39	Section 7	39	Prism 2 self-rotating
		40	Section 8	40	Prism 2 rotation fine-tuning
		41	Cutting disc	41	atomization
		42	function	42	Section 1
				43	Section 1 Fine tuning
				44	Section 2
				45	Section 2 Fine tuning
				46	Section 3
				47	Section 3 Fine tuning
				48	Section 4
				49	Section 4 Fine tuning
				50	Section 5
				51	Section 5 Fine tuning
				52	Section 6
				53	Section 6 Fine tuning
				54	Section 7
				55	Section 7 Fine tuning
				56	Section 8
				57	Section 8 Fine tuning
				58	Cutting disc
				59	Cutting disc fine-tuning
				60	function

Channel parameter values (full

version) :

Channel 36	Channel 42	Channel 60	The name of the	The numerical	describe
CH1	CH1	CH1	X	0-255.	0-540 degrees
CH2	CH2	CH2	X fine tuning	0-255.	0-2 degrees
CH3	CH3	CH3	Y	0-255.	0-270 degrees
CH4	CH4	CH4	Y fine tuning	0-255.	0-1 degrees
CH5	CH5	CH5	XY velocity	0-255.	From fast to slow
CH6	CH6	CH6	Cut light/stroboscopic	0-3	GuanGuang
				4-127.	From slow to fast pulse stroboscopic
				128-191.	It goes from slow to fast
				192-251.	From slow to fast random stroboscopic
				252-255.	medallion
CH7	CH7	CH7	The dimmer	0-255.	0-100% dimming
	CH8	CH8	Dimming fine tuning	0-255.	0-100% dimming
	CH9	CH9	amplification	0-255.	From small to big
	CH10	CH10	Magnification and fine-tuning		
	CH11	CH11	focusing	0-255.	From far to near
	CH12	CH12	Focus tuning		
	CH13	CH13	Auto focus	0-63.	There is no
				64-127.	7.5 meters
				128-255.	15 meters
	CH14	CH14	Auto focus fine tuning	0-255.	
	CH15	CH15	color	0-127.	Linear color
				128-137.	Color 1
				138-146.	Color 2
				147-155.	Color 3
				156-164.	Color 4
				165-173.	Color 5
				174-182.	Color 6

				183-191.	Color 7
				192-222.	From fast to slow forward water
				223-224.	stop
				225-255.	From slow to fast reverse flow
		CH16	Fine tuning of color		
	CH16	CH17	Slice of value	0	There is no
				1-255.	0-100% linear insertion
		CH18	Fine tuning of the display piece		
CH8	CH17	CH19	C	0-255.	
		CH20	C Fine tuning		
CH9	CH18	CH21	M	0-255.	
		CH22	M fine tuning		
CH10	CH19	CH23	Y	0-255.	
		CH24	Y fine tuning		
CH11	CH20	CH25	CTO	0-255.	
		CH26	CTO fine-tuning		
	CH21	CH27	Fixed pattern plate	0-9	The white light
				10-19	Pattern 1
				20 to 29	Pattern 2
				30-39	Pattern 3
				40-49	Pattern 4
				50 to 59	Pattern 5
				60-69.	Pattern 6
				70-79.	Pattern 7
				80-89.	Pattern 8
				90-99.	From slow to fast jitter pattern 1
				100-109.	From slow to fast jitter pattern 2
				110-119.	From slow to fast jitter pattern 3
				120-129.	From slow to fast jitter pattern 4
				130-139.	From slow to fast jitter pattern 5

				140-149.	From slow to fast jitter pattern 6
				150-159.	From slow to fast jitter pattern 7
				160-169.	From slow to fast jitter pattern 8
				170-212.	From fast to slow forward water
				213-215.	stop
				216-255.	From slow to fast reverse flow
	CH22	CH28	Pattern of glass	0-9	The white light
				10-19	Pattern 1
				20 to 29	Pattern 2
				30-39	Pattern 3
				40-49	Pattern 4
				50 to 59	Pattern 5
				60-69.	Pattern 6
				70-79.	From slow to fast jitter pattern 1
				80-89.	From slow to fast jitter pattern 2
				90-99.	From slow to fast jitter pattern 3
				100-109.	From slow to fast jitter pattern 4
				110-119.	From slow to fast jitter pattern 5
				120-129.	From slow to fast jitter pattern 6
				130-190.	From fast to slow forward water
				191-192.	stop
				193-255.	From slow to fast reverse flow
	CH23	CH29	Glass pattern rotation	0-127.	Switch of angles
				128-190.	From fast to slow forward water
				191-192.	stop
				193-255.	From slow to fast reverse flow
	CH24	CH30	Fine adjustment of rotation		
CH12			Disk of color	0-127.	Linear color
				128-137.	Color 1

				138-146.	Color 2
				147-155.	Color 3
				156-164.	Color 4
				165-173.	Color 5
				174-182.	Color 6
				183-191.	Color 7
				192-222.	From fast to slow forward water
				223-224.	stop
				225-255.	From slow to fast reverse flow
CH13			Finger display plate	0-255.	Linear insertion
CH14			Fixed pattern plate	0-9	The white light
				10-19	Pattern 1
				20 to 29	Pattern 2
				30-39	Pattern 3
				40-49	Pattern 4
				50 to 59	Pattern 5
				60-69.	Pattern 6
				70-79.	Pattern 7
				80-89.	Pattern 8
				90-99.	From slow to fast jitter pattern 1
				100-109.	From slow to fast jitter pattern 2
				110-119.	From slow to fast jitter pattern 3
				120-129.	From slow to fast jitter pattern 4
				130-139.	From slow to fast jitter pattern 5
				140-149.	From slow to fast jitter pattern 6
				150-159.	From slow to fast jitter pattern 7
				160-169.	From slow to fast jitter pattern 8
				170-212.	From fast to slow forward water
				213-215.	stop

				216-255.	From slow to fast reverse flow
CH15			Pattern of glass	0-9	The white light
				10-19	Pattern 1
				20 to 29	Pattern 2
				30-39	Pattern 3
				40-49	Pattern 4
				50 to 59	Pattern 5
				60-69.	Pattern 6
				70-79.	From slow to fast jitter pattern 1
				80-89.	From slow to fast jitter pattern 2
				90-99.	From slow to fast jitter pattern 3
				100-109.	From slow to fast jitter pattern 4
				110-119.	From slow to fast jitter pattern 5
				120-129.	From slow to fast jitter pattern 6
				130-190.	From fast to slow forward water
				191-192.	stop
				193-255.	From slow to fast reverse flow
CH16			Glass pattern rotation	0-127.	Switch of angles
				128-190.	From fast to slow forward water
				191-192.	stop
				193-255.	From slow to fast reverse flow
CH17	CH25	CH31	Effect entry	0 to 10	Remove the
				11-255.	Linear insertion
CH18	CH26	CH32	Disc of effect	0-2	stop
				3-128.	From fast to slow forward water
				129-255.	From slow to fast reverse flow
	CH27	CH33	The aperture	0-127.	From big to small
				128-255.	Function of contraction
		CH34	Fine tuning of aperture		
	CH28	CH35	Prism 1	0-127.	Remove the prism
				128-255.	Prism 1

	CH29	CH36	Rotation of prism 1	0-127.	Switch of angles
				128-187.	From fast to slow forward water
				188-195.	stop
				196-255.	From slow to fast reverse flow
		CH37	Prism 1 rotation fine-tuning		
	CH30	CH38	Prism 2	0-127.	Remove the prism
				128-255.	Prism 2
	CH31	CH39	Rotation of prism 2	0-127.	Switch of angles
				128-187.	From fast to slow forward water
				188-195.	stop
				196-255.	From slow to fast reverse flow
		CH40	Prism 2 rotation fine-tuning		
CH19			focusing	0-255.	From far to near
CH20			Focus tuning		
CH21			amplification	0-255.	From small to big
CH22			A prism	0-63.	Remove the prism
				64-127.	Prism 1
				128-191.	Prism 2
				192-255.	Prism 1+ Prism 2
CH23			Rotation of prism 1	0-127.	Switch of angles
				128-187.	From fast to slow forward water
				188-195.	stop
				196-255.	From slow to fast reverse flow
CH24			Rotation of prism 2	0-127.	Switch of angles
				128-187.	From fast to slow forward water
				188-195.	stop
				196-255.	From slow to fast reverse flow
CH25	CH32	CH41	atomization	0-127.	There is no
				128-255.	atomization
CH26	CH33	CH42	Section 1	0-255.	Linear insertion

		CH43	Section 1 Fine tuning		
CH27	CH34	CH44	Section 2	0-255.	Linear insertion
		CH45	Section 2 Fine tuning		
CH28	CH35	CH46	Section 3	0-255.	Linear insertion
		CH47	Section 3 Fine tuning		
CH29	CH36	CH48	Section 4	0-255.	Linear insertion
		CH49	Section 4 Fine tuning		
CH30	CH37	CH50	Section 5	0-255.	Linear insertion
		CH51	Section 5 Fine tuning		
CH31	CH38	CH52	Section 6	0-255.	Linear insertion
		CH53	Section 6 Fine tuning		
CH32	CH39	CH54	Section 7	0-255.	Linear insertion
		CH55	Section 7 Fine tuning		
CH33	CH40	CH56	Section 8	0-255.	Linear insertion
		CH57	Section 8 Fine tuning		
CH34	CH41	CH58	Cutting disc	0-255.	Angle of slice
		CH59	Cutting disc fine-tuning		
CH35			The aperture	0-127.	From big to small
				128-255.	Function of contraction
CH36	CH42	CH60	funct	0-100.	Light tracking default (follow Settings)

			ion	101-110.	Turn off the light chase and keep it for 5s without changing the interface Settings
				111-120.	Optical tracing mode 1: Hold for 5s without changing the interface Settings
				121-130.	Optical pursuit mode 2: Hold for 5s without changing the interface Settings
				210-215.	Reset XY for more than 6 seconds
				220-235.	More than 6 seconds reset effect motor
				240-255.	Reset all after 6 seconds

4. Common Faults

In view of some common faults, the corresponding solutions are put forward.Any problems that cannot be resolved should be dealt with by professionals.Disconnect the lamp before maintaining it.

1. Light bulb doesn't work

- Check that the voltage is installed to match the luminaire;
- Check whether the lamp power supply connection or control switch is in bad contact;
- Check for insufficient power supply;
- Check whether the DMX512 controller is sending instructions.

2. The lamp will not be controlled by the console after normal reset

- Check whether the digital starting address value and function options of the lamp are correct;
- Check whether the communication control line is connected correctly, the communication line is too long or has been interrupted;
- Check the failure of the control equipment, check the failure of the serial access signal amplifier;
- Check whether the communication line is too long or other equipment interferes with each other;
- Optimize the wiring, shorten the length of the control signal line, and separate the high-voltage and low-voltage lines;
- Add signal amplifier;

- The signal line adopts high quality shielded twisted pair wire;
- Connect the signal terminal resistor (120 ohms) at the end of the lamp.

3. Light fixture fails to start

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

  Or fall off.
- Please check whether the internal wire integration plug is loose or loose.
- Check whether the electronic components of the lamp (such as electronic transformer, PCB board, motor control board, etc.) are loose, short circuit and burned out.

4. When working, the action of X or Y axis of the lamp is abnormal

- Follow the previous step to check one by one;
- Check whether the transmission belt corresponding to the X and Y axis in the lamp falls off or breaks;
- Check whether the data feedback receiver (optocoupler) corresponding to the X and Y directions in the lamp is damaged;
- Restart the machine and reset it once.