CY-WS StageFlow 07IP

User Manual

Read the instructions carefully before use

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1. Precautions and installation Precautions and installation

1.1 DISCLAImer

Thank you for choosing our products! 8, This product is in good condition and the package is complete when it leaves the factory. For your safe and effective use of this product, before you use this product, please read this manual carefully and completely. This manual contains important information for installation and use. Please install and operate according to the requirements of the manual. At the sametime, please keep this manual properly for use at anytime. Our company does not assume all responsibility for damage to lamps or other performance due to individuals not operating in accordance with 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.
- This lamp should be kept dry and avoid working in wet environment.
- Intermittent use will effectively extend the life of the luminaire.
- In order to obtain good ventilation and lighting effects, pay attention to cleaning the fan and fan net as well as the lens often.
- Do not rub the luminaires housing with organic solvents such as alcohol to avoid damage.

1.3 Product Precautions

- This light fixture is for professional use only.
- Ensure that the power supply voltage matches the required power supply voltage of the equipment before operation.
- Do not place this product in a place that is easy to loose or shake.
- During use, if the lamp is abnormal, stop using the lamp in time.
- In order to ensure the service life of the product, this product should not be placed in a humid or leaking place, and should not work in an environment where the temperature exceeds 60 degrees.
- When the lamp is used, the power supply voltage change should not exceed ±10%, the voltage is too high, will shorten the life of the lamp, the voltage is too low, it will affect the light color of the lamp.
- After the power off, it takes 20 minutes to use the lamp to cool down fully before it can be used again.
- The rotating parts of the lamp and the attaching accessories must be checked regularly, and the loosening and shaking should be reinforced in time to prevent accidents.
- In order to ensure the normal use of this product, please read this instruction carefully.

1.4 Product Description

2 Input voltage:AC100-240V.50/60Hz

3 Limit power:550W

4 Light source: 7x60W LED module

5 Life of light source: 20,000 hours

6 Color temperature: 2800K-8500K

7 Control mode: DMX512.

8 Channel mode: 23/35/51 international standard DMX512 channels

9 Color temperature adjustment: Independent CTO 2700-6500K linear adjustment

10 Zoom system:4.5~ 45 ° linear focus

11 Pan/Tilt: Pan 540 ° ,Tilt 270 °

12 Protection level: lp55

13 Built-in macros with enhanced pixel control

14 Preset colors

15 Dedicated channel for color temperature setting

16 Working environment: 0-45C

1.5Signal cable connection

Light fixtures feature standard DMX input and output 3-core or 5-core XLR sockets. Use a twisted-pair signal cable shielded specifically for DMX 512; The signal line is generally connected at a distance of 150 meters, and the DMX512 signal amplifier must be added for long distance signal transmission.

Use 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 outlet of the first device to the DMX input of the second device, and so on, until all the lamps are connected. Then install a terminal plug on the last 3-pin connector of the connecting luminaire output on each line. (Weld a 4/1W, 120Ω resistor between the 2 and 3 pins of the 3-pin pin cannon plug).

Important: The wires should not touch each other or the metal housing.

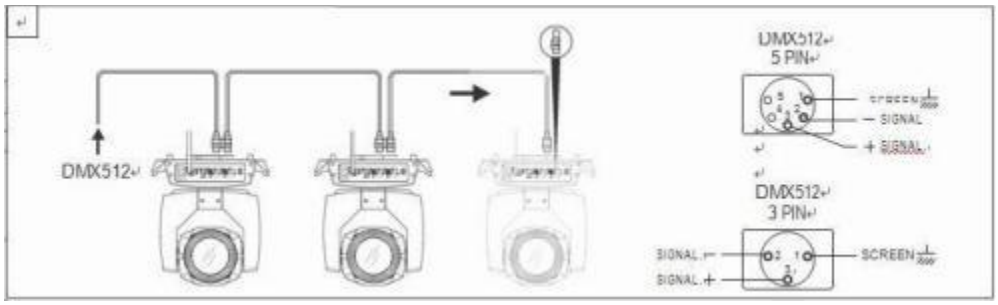

Figure 1 Schematic diagram of DMX signal wire connection

- The calculation method of the starting address code of the lamp:

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

1: The initial address code value of the first luminaire A001.

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

3: Note: when using any controller, each luminaire should have its own starting address code, if the first luminaire's starting address code is set A001, the number of luminaire channels is 16CH; Then 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 also needs to be determined according to different consoles)

16.1 Fixture installation

The luminaire can be placed horizontally, hung diagonally and hung upside down. Be sure to pay attention to the installation method when hanging diagonally and upside down.

As shown in Figure 2, before positioning the luminaire, it is necessary to ensure the stability of the installation site. During the reverse hanging installation, it is necessary to ensure that the luminaire does not fall down on the support frame. It is necessary to use the safety rope to pass through the support frame and the luminaire handle for auxiliary hanging to ensure safety.Figure 2 Schematic diagram ofthe lamp hanging upside down1Prevent the luminaire from falling and sliding.

During the installation and debugging of the lamps, pedestrians are forbidden to pass under the lamps. Regularly check whether the safety rope is worn and whether the hook screws are loose.

If the hanging installation is not stable, resulting in the fall ofthe lamp and all the consequences, our company does not assume any responsibility.

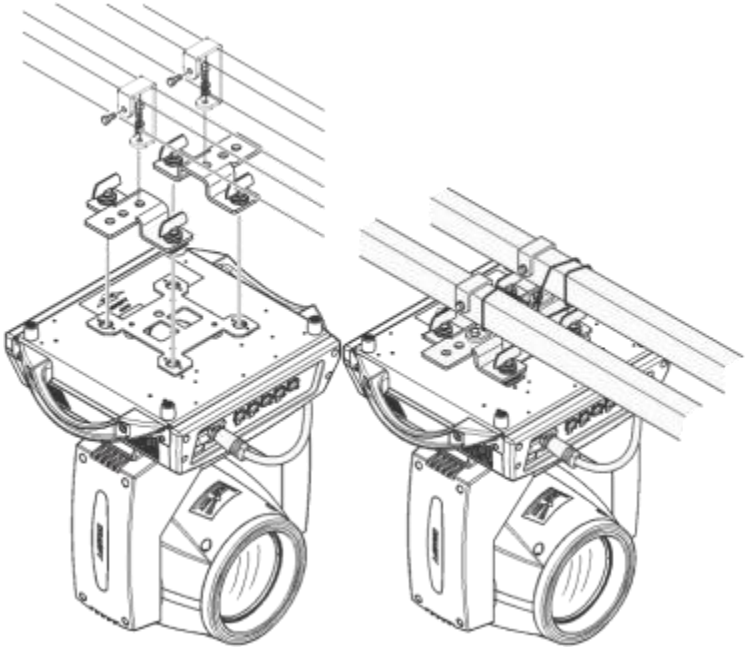

Figure 2 Schematic diagram of the lamp hanging upside down1

2. Control panel

2.1 Key Instructions

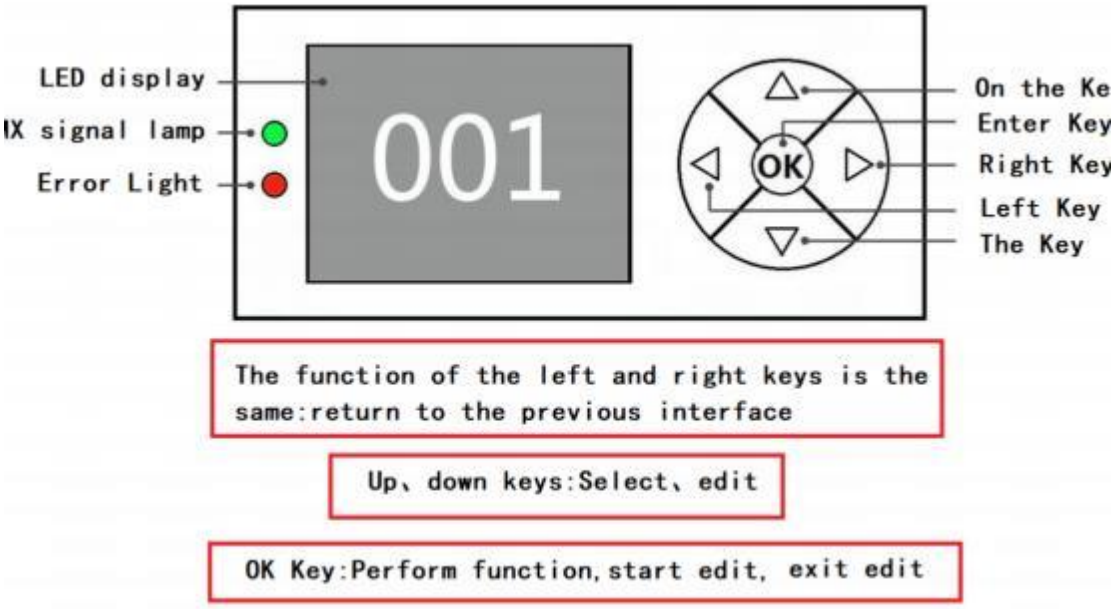

Figure 3 Schematic diagram of key description on the panel

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

1, if the current is not the main interface, press the "left" key (one or more times) to return to the main interface

2, in the home screen, press the "up" key or "down" key to select the "Settings" button

3. Press the "OK" key to enter the "Settings" interface

4, in the "Settings" interface, press the "up" key or "down" key to select "DMX address"

5,press the "OK" key 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 screen to enter the calibration menu shortcut.

2.2 Menu Description

Figure 4 Schematic diagram of main menu

◆Address: Click to enter address code settings
◆Settings: Click to enter system settings
◆Manual: Click to enter manual mode
◆Calibration: Click to enter the password to enter the system calibration mode
◆Reset: Click to enter system reset mode
◆Information: Click to enter the system

2.2.1 DMX Settings

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

Manual instructions: Enter the hundreds place first, then the tens place, and finally the one place. (For example: enter the 286 address code, it will first point 2, then point 8, and finally point 6)

2.2.2 In /En

Chinese/English interface switch;

2.2.3 System information

MENU	SUBMENU	THIRDMENU
Address	001 - 512	+- address
System Setting	Running mode	DMX/Sound/Auto1/Auto2
	Channel mode	23CH/35CH/51CH
	Horizontal inversion	ON/OFF
	Vertical inversion	ON/OFF
	Hall error correction	ON/OFF
	Optocoupler error correction	ON/OFF
	Signal Hold	ON/OFF
	Screen Protection	ON/OFF
	Screen flip	ON/OFF/AUTO
	Synchronization Update	ON/OFF
	Language	中/EN
	Reset	
Manual	Current Channel Mode	0-255
System Calibration	Password	Fixture Calibration
System Reset	Effect Motor Reset	
	Pan/Tilt Motor Reset	
	All motors reset	
System Information	Reset Information	Reset Error Showing
	DMX Data Monitoring	Channel information from console
	Sensor Information	Hall Information
		Pan optocoupler
		Tilt optocoupler
	Hardware version	Hardware version
	Software version	Software version

- Screen automatic rotation function

The system can automatically rotate the screen according to the direction of gravity without manual rotation. You can also turn off the auto-rotate feature.

- Manual control

This interface is used to control the current fixture.

Press the "OK" key to enter the editing state. Press the "up" and "down" keys to change the channel value. Press "OK" again to save the modified value and exit editing. Press "Exit" to exit editing directly without saving the modified value.

- System calibration

Set a layer of password here to prevent mis-operation by non-professionals. Simply press the "OK" button to verify the password.

2.2.4 Light fixture setup

23 Channels		35 channels
1	Pan	Red
2	Pan Fine	Red Fine
3	Tilt	Green
4	Tilt Fine	Green Fine
5	Pan/Tilt Speed	Blue
6	Zoom	Blue Fine
7	Rotation	White
8	Dimming	White Fine
9	Strobe	Linear Temperature Adjustment
10	Y	Color Macro
11	R	Strobe
12	G	Dimming
13	B	Dimming Fine
14	W	Pan
15	Color temperature	Pan Fine
16	Wash	Tilt
17	Static Effect	Tilt Fine
18	Dynamic Effect	Functions
19	Dynamic Effect Speed	Reset
20	Background Color R	Zoom
21	Background Color G	Lenses Rotation
22	Background Color B	Pattern selection
23	Background Color W	Pattern Speed
24	Reset	Pattern Effect Fade
25		Pattern Effect R
26		Pattern Effect G
27		Pattern Effect B
28		Pattern Effect W
29		Effect Dimming
30		Background Dimming
31		Pattern transition
32		Pattern Angle Adjustment
33		Foreground Strobe
34		Background Strobe
35		Background Selection

23 Channel parameter values (full version) :

CH1	Pan	0-255.	0-540 degrees
CH2	Pan Fine	0-255.	0-2 degrees
CH3	Tilt	0-255.	0-270 degrees
CH4	Tilt Fine	0-255.	0-1 degrees
CH5	Pan/tilt Speed	0-255.	From fast to slow
CH6	Zoom	0-255	Small to big Linear adjustment
CH7	Rotation	0-127	0-60
		128-191.	CCW Infinite Rotation from fast to slow
		200-255	CW Infinite Rotation from slow to fast
		252-255.	Light on
CH8	Dimmer	0-255.	0-100% dimming
CH9	Strobe	0-3	LED ON
		4-200	Synchronous strobe speed from slow to fast
		201-215	Low speed random strobe
		216-234	Medium speed random strobe
		235-255	High speed random strobe
CH10	Red	0-255.	Linear dimming from dark to light
CH11	Green	0-255.	Linear dimming from dark to light
CH12	Blue	0-255.	Linear dimming from dark to light
CH13	White	0-255.	Linear dimming from dark to light
CH14	Color Temperature	0-255.	Linear color temperature adjustment
CH15	Wash	0-255.	Built-in color gradient
CH16	Static Effect	0-255.	Different effect after 5 interval values
CH17	Dynamic Effect	0-255.	Different effect after 5 interval values
CH18	Dynamic Effect Speed	0-127	CW effect from fast to slow
		128-255	CCW effect from slow to fast
CH19	Background Color R	0-255.	Linear dimming from dark to bright
CH20	Background Color G	0-255	Linear dimming from dark to bright
CH21	Background Color B	0-255.	Linear dimming from dark to bright
CH22	Background Color W	0-255	Linear dimming from dark to bright

CH23	Reset	0-199	No functions
		200-205	Fixture reset is valid for 5 seconds.
		206-255	No functions

35 Channel parameter values (full version) :

CH1	Red	0-255.	Red dimmer
CH2	Red Fine	0-255.	Red Fine
CH3	Green	0-255.	Green Dimmer
CH4	Green Fine	0-255.	Green Fine
CH5	Blue	0-255.	Blue Dimmer
CH6	Blue Fine	0-255	Blue Fine
CH7	White	0-255	White Dimmer
CH8	White Fine	0-255.	White Fine
CH9	Color Temperature	0-255.	Linear color temperature adjustment
CH10	Color Macro	0-255	Color Macro Function
CH11	Strobe	0-3	LED OFF
		4-103	Synchronous strobe speed from slow to fast (1HZ-25HZ)
		104-107	LED ON
		108-207	Divide the strobe speed from slow to fast (1HZ-25HZ)
		208-212	LED ON
		213-225	Low speed random strobe
		226-238	Medium speed random strobe
		239-251	High speed random strobe
		252-255	LED ON
CH12	Dimmer	0-255.	0-100% dimming
CH13	Dimmer Fine	0-255.	Dimmer Fine
CH14	Pan	0-255.	0-540 degrees
CH15	Pan Fine	0-255.	Pan Fine
CH16	Tilt	0-255.	0-540 degrees
CH17	Tilt Fine	0-255.	Tilt Fine
CH18	Functions	0-255.	Reserved

CH19	Reset	0-199	No functions
		200-205	Fixture reset is valid for 5 seconds.
		206-255	No functions
CH20	Zoom	0-255	Small to big Linear adjustment
CH21	Rotation	0-127	0-60
		128-191	CCW Infinite Rotation from fast to slow
		192-255	CW Infinite Rotation from slow to fast
CH22	Pattern Selection	0-255	Pattern Rotation
CH23	Pattern Effect Speed	0-255	Pattern Speed Control
CH24	Pattern Effect Fade	0-255	Pattern Effect Fade
CH25	Pattern Effect R	0-255.	Red Pattern Effect
CH26	Pattern Effect G	0-255	Green Pattern Effect
CH26	Pattern Effect B	0-255	Blue Pattern Effect
CH27	Pattern Effect White	0-255	White Pattern Effect
CH29	Pattern Dimmer	0-255.	Pattern 0-100% Dimmer
CH30	Background Dimmer	0-255	Background 0-100% Effect
CH31	Pattern	0-255.	Pattern Change Control
CH32	Pattern Angle Adjustment	0-255.	Pattern Shift
CH33	Foreground Strobe	0-255.	Foreground strobe (same as channel 11)
CH34	Background Strobe	0-255.	Background strobe (same as channel 11)
CH35	Background Selection	0-255	Background Selection

51 Channel parameter values (full version) :

CH1	Pan	0-255.	0-540 degrees
CH2	Pan Fine	0-255.	0-2 degrees
CH3	Tilt	0-255.	0-270 degrees
CH4	Tilt Fine	0-255.	0-1 degrees
CH5	Pan/tilt Speed	0-255.	From fast to slow
CH6	Zoom	0-255	Small to big Linear adjustment
CH7	Rotation	0-127	0-60
		128-191.	CCW Infinite Rotation from fast to slow
		200-255	CW Infinite Rotation from slow to fast
		252-255.	Light on
CH8	Dimmer	0-255.	0-100% dimming
CH9	Strobe	0-3	LED ON
		4-200	Synchronous strobe speed from slow to fast
		201-215	Low speed random strobe
		216-234	Medium speed random strobe
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CH10	Red	0-255.	Linear dimming from dark to light
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CH13	White	0-255.	Linear dimming from dark to light
CH14	Color Temperature	0-255.	Linear color temperature adjustment
CH15	Wash	0-255.	Built-in color gradient
CH16	Static Effect	0-255.	Different effect after 5 interval values
CH17	Dynamic Effect	0-255.	Different effect after 5 interval values
CH18	Dynamic Effect Speed	0-127	CW effect from fast to slow
		128-255	CCW effect from slow to fast
CH19	Background Color R	0-255.	Linear dimming from dark to bright

CH20	Background Color G	0-255	Linear dimming from dark to bright
CH21	Background Color B	0-255.	Linear dimming from dark to bright
CH22	Background Color W	0–255	Linear dimming from dark to bright
CH23	Reset	0-199	No functions
		200-205	Fixture reset is valid for 5 seconds.
		206-255	No functions
CH24	R1 LED Dimmer	0-255	R1 LED Dimmer
CH25	G1 LED Dimmer	0-255	G1 LED Dimmer
CH26	B1 LED Dimmer	0-255	B1 LED Dimmer
CH27	W1 LED Dimmer	0-255	W1 LED Dimmer
…	…	…	…
…	…	…	…
CH48	R7 LED Dimmer	0-255	R7 LED Dimmer
CH49	G7 LED Dimmer	0-255	G7 LED Dimmer
CH50	B7 LED Dimmer	0-255	B7 LED Dimmer
CH51	W7 LED Dimmer	0-255	W7 LED Dimmer

3. Common faults

According to some common faults, the corresponding solutions are put forward. Any problems that cannot be solved should be dealt with by professionals. Disconnect the light fixture from the power supply before maintaining it.

1. The lightbulb is not working

- Check that the voltage that matches the light fixture is installed;
- Check whether the lamp power supply connection or control switch is in poor contact;
- Check whether the power supply is insufficient;
- Check that the DMX512 controller is sending instructions.

2. The light fixture does not accept control from the console after normal reset

- Check luminaire digital start address value and function options are correct;
- Check whether the connection of the communication control line is correct, the communication

line is too long or has been interrupted;

- Check whether the control equipment is invalid, check whether the signal amplifier connected to the series is invalid;
- Check whether the communication line is too long or other devices interfere with each other;
- Optimize wiring, shorten the length of the control signal line, high-voltage and low-voltage lines separate wiring;
- Add signal amplifiers;
- Signal line using high quality shielded twisted pair wire;
- Connect the signal terminal resistor (120 ohms) at the end of the lamp.

3. Fixture does not start

- Check that the power supply parameters are consistent with the luminaire;
- 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 internal wire integration connector 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 the X axis or Y axis of the luminaire is abnormal

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