

# **7X40W LED Wash Moving Head**

**( Pixel&Halo Ring )**

**740WZ**



**User Manual**

=====Professional Stage Lighting Equipment=====

## **Technical Parameters:**

**Voltage :AC90-240V 50/60Hz**

**Power : 350W**

**Led light source: 7pcs 40W RGBW 4 in 1+RGB ring lights**

**Zoom Angle : 3-60°**

**Channel : 18CH/29CH/47CH/51CH**

**Control model : DMX / Master-slave / Voice control**

**Horizontal sweep: 540 degree**

**Vertical sweep: 270 degree**

**Strobe : 1-25 times per second or random**

**Display : LCD display**

**N.W : 6.5kg.**

**Size : 266\*207\*258cm**

## **1、 DMX Settings (DMX address and channel settings)**

This option is used to set the DMX communication address and channel mode. Press the "Enter" key to enter the settings. Press the "UP" key to increase the address number. Otherwise, press the "DOWN" key to decrease the address number. After selecting the address Press "Enter" to save and exit. There are 17 channel modes to choose from.

## **2、 Run Mode (Lamp working mode setting)**

This option is used to set the working mode of the lamp body. Press the "Enter" key to enter the settings. Press the "UP" key or "DOWN" key to select the working mode. The working modes are "DMX512", "Slow", and "Fast" in order. ", "Sound" and "manual", select the working mode and press "Enter" to save and exit.

**DMX512: Console operation mode.**

**Slow: Slow self-propelled mode**

**Fast: Fast self-propelled mode**

**Sound Sound voice-activated self-propelled mode**

**manual: Manual mode, scene settings can be performed, and online**

## **3、 Invert PAN/TILT( PAN/TILT reverse setting)**

This option is to reverse the direction of the PAN/TILT . Press the "Enter" key to enter the setting. Press the "UP" key or the "DOWN" key to select whether to reverse the PAN/TILT. Select "Yes" to indicate PAN/TILT reverse, select "NO" to indicate that the PAN/TILT is not reversed. After selecting the direction, press "Enter" to save and exit.

#### 4、 Display Set (Display Setting)

This option is to set the LCD font inversion, Chinese and English display and backlight on the display panel. Press the "Enter" key to enter the settings. For the LCD backlight, press the "UP" key or "DOWN" key to select the switch. Select "Yes" " means that the LCD backlight is always on and does not turn off. Selecting "NO" means that it will turn off after 20 seconds without any key operation, and will turn on again when there is a key operation. After selecting the settings, press "Enter" to save and exit.

Invert Word: Font inversion  
English/Chinese: Chinese-English conversion  
LCD Backlight on: LCD backlight on setting

#### 5、 Manual Set (Manual mode Setting)

This option is to set the scene parameters of the lamp body. Press the "Enter" key to enter the save and run it online. The prerequisite is that the working mode (Run Mode) of the lamp body must be set to manul, that is, the manual mode is valid. After the power is turned off, , the next boot can restore the previous boot state.

#### 6、 Sound Sence (Voice control sensitivity adjustment)

This option is to set the light body voice control sensitivity on and off. Press the "Enter" key to enter the settings. Press the "UP" key or "DOWN" key to select the sensitivity level from 0 to 100. After selecting the sensitivity, press " Enter" to save and exit.

#### 7、 System Set (System parameter settings)

##### System Information:

The version:V1

##### Default Settings:

##### Code Settings:

When entering the password channel, the user needs to enter the password to view and set the XY fine-tuning and lamp white balance parameters.

The number of passwords is 4. Press the "UP" key or the "DOWN" key to enter.

The factory password is "DOWN DOWN UP UP"

PAN\_INIT:

TILT\_INIT:

ZOOM\_INIT:

SET\_Red:

SET\_Green:

SET\_Blue:

SET\_White:

## 8、Reset

After the user selects reset, wait 3 seconds and the lamp body will be reset.

### Channel table:

#### 18 channel

18 channel	Content	DMX Value Range	Function and Explanation
1	PAN	0-255	0-540 degree
2	TILT	0-255	0-205 degree
3	PAN/TILT speed	0-255	Speed from fast to slow
4	Focusing	0-255	Angle changes from small to large
5	reserved	0-255	lens rotation
6	total dimming	0-255	Linear dimming from dark to bright, total dimming of the lamp circle
7	Strobe	0-255	Main light strobe
8	R dimming	0-255	Linear dimming from dark to light
9	G dimming	0-255	Linear dimming from dark to light
10	B dimming	0-255	Linear dimming from dark to light
11	W dimming	0-255	Linear dimming from dark to light
12	reset	0-250	No function
		251-255	The lamp body reset is valid for 5 seconds.
13	Light circle flashing	0-255	Light circle flashing
14	Lamp ring LEDR dimming	0-255	Red dimming light ring
15	Lamp ring LEDG dimming	0-255	Light circle green dimming
16	Lamp ring LEDG dimming	0-255	Light circle blue dimming
17	Light circle dynamic effect	0-255	Light circle dynamic effect
18	Light circle dynamic effect speed	0-255	Light circle dynamic effect speed

## 29 channel

29 channel	Content	DMX Value Range	Function and Explanation
1	PAN	0-255	0-540 degree
2	PAN_INIT	0-255	16bit adjustable
3	TILT	0-255	0-205 degree
4	TILT_INIT	0-255	16bit adjustable
5	PAN/TILT speed	0-255	Speed from fast to slow
6	Focusing	0-255	Angle changes from small to large
7	reserved	0-255	lens rotation
8	total dimming	0-255	Linear dimming from dark to bright, total dimming of the lamp circle
9	Strobe	0-255	Main light strobe
10	R dimming	0-255	Linear dimming from dark to light
11	G dimming	0-255	Linear dimming from dark to light
12	B dimming	0-255	Linear dimming from dark to light
13	W dimming	0-255	Linear dimming from dark to light
14	color temperature	0-255	Linear color temperature adjustment
15	dyeing	0-255	Built-in color gradient
16	static effect	0-255	
17	dynamic effect	0-255	
18	Dynamic effect speed	0-255	From slow to fast (with 15 channels)
19	Background color R	0-255	Linear dimming from dark to bright
20	Background color G	0-255	Linear dimming from dark to bright
21	Background color B	0-255	Linear dimming from dark to bright
22	Background color W	0-255	Linear dimming from dark to bright
23	reset	0-250	No function
		251-255	The lamp body reset is valid for 5 seconds.
24	Light circle flashing	0-255	Light circle flashing
25	Lamp ring LEDR dimming	0-255	Red dimming light ring
26	Lamp ring LEDG dimming	0-255	Light circle green dimming
27	Lamp ring LEDB dimming	0-255	Light circle blue dimming
28	Light circle dynamic effect	0-255	Light circle dynamic effect

29	Light circle dynamic effect speed	0-255	Light circle dynamic effect speed
----	-----------------------------------	-------	-----------------------------------

## 41channel

41channel	Content	DMX Value Range	Function and Explanation
1	Red	0-255	Red dimming
2	Red Fine	0-255	red trim
3	Green	0-255	green dimming
4	Green Fine	0-255	green spinner
5	Blue	0-255	blue dimming
6	Blue Fine	0-255	blue spinner
7	White	0-255	white dimming
8	White Fine	0-255	white trimmer
9	Linear CTO	0-255	Linear color temperature adjustment
10	Macro colour	0-255	Macro function color
11	strobe	0-255	Main light strobe
12	Dimmer	0-255	Main light total dimming
13	Dimmer Fine	0-255	Main light total dimming fine adjustment
14	Pan	0-255	PAN
15	Pan Fine	0-255	PAN fine adjustment
16	Tilt	0-255	TILT
17	Tilt Fine	0-255	TILT fine adjustment
18	Function	0-255	functional channel
19	Reset	0-255	reset
20	Zoom	0-255	focusing
21	reserved	0-255	lens rotation
22	Shape Selection	0-255	Built-in effect selection
23	Shape Speed	0-255	Built-in effect speed adjustment
24	Shape Fade	0-255	Built-in fade effect
25	Shape R	0-255	Built-in effect foreground red dimming
26	Shape G	0-255	Built-in effect foreground green dimming
27	Shape B	0-255	Built-in effect foreground blue dimming
28	Shape W	0-255	Built-in effect foreground white dimming
29	Shape Dimmer	0-255	Built-in effect foreground total dimming
30	Background Dimmer	0-255	Built-in effect background total dimming
31	Shape Transition	0-255	Built-in effect transformation
32	Shape Offset	0-255	Turn off built-in effects

33	Foreground Strobe	0-255	Foreground flicker
34	Background Strobe	0-255	background strobe
35	Background Select	0-255	Background selection
36	Light circle flashing	0-255	Light circle flashing
37	Lamp ring LEDR dimming	0-255	Red dimming light ring
38	Lamp ring LEDG dimming	0-255	Light circle green dimming
39	Lamp ring LEDB dimming	0-255	Light circle blue dimming
40	Light circle dynamic effect	0-255	Light circle dynamic effect
41	Light circle dynamic effect speed	0-255	Light circle dynamic effect speed

## 57 Channel

57 channel	Content	DMX Value Range	Function and Explanation
1	PAN	0-255	0-540 degree
2	PAN_INIT	0-255	16bit adjustable
3	TILT	0-255	0-205 degree
4	TILT_INIT	0-255	16bit adjustable
5	PAN/TILT speed	0-255	Speed from fast to slow
6	Focusing	0-255	Angle changes from small to large
7	reserved	0-255	lens rotation
8	total dimming	0-255	Linear dimming from dark to bright, total dimming of the lamp circle
9	Strobe	0-255	Main light strobe
10	R dimming	0-255	Linear dimming from dark to light
11	G dimming	0-255	Linear dimming from dark to light
12	B dimming	0-255	Linear dimming from dark to light
13	W dimming	0-255	Linear dimming from dark to light
14	color temperature	0-255	Linear color temperature adjustment
15	dyeing	0-255	Built-in color gradient
16	static effect	0-255	
17	dynamic effect	0-255	
18	Dynamic effect speed	0-255	From slow to fast (with 15 channels)
19	Background color R	0-255	Linear dimming from dark to bright
20	Background color G	0-255	Linear dimming from dark to bright
21	Background color B	0-255	Linear dimming from dark to bright

22	Background color W	0-255	Linear dimming from dark to bright
23	reset	0-250	No function
		251-255	The lamp body reset is valid for 5 seconds.
24	Point control	0-255	R LED1
25	Point control	0-255	G LED1
26	Point control	0-255	B LED1
27	Point control	0-255	W LED1
28	Point control	0-255	R LED2
29	Point control	0-255	G LED2
30	Point control	0-255	B LED2
31	Point control	0-255	W LED2
32	Point control	0-255	R LED3
33	Point control	0-255	G LED3
34	Point control	0-255	B LED3
35	Point control	0-255	W LED3
36	Point control	0-255	R LED4
37	Point control	0-255	G LED4
38	Point control	0-255	B LED4
39	Point control	0-255	W LED4
40	Point control	0-255	R LED5
41	Point control	0-255	G LED5
42	Point control	0-255	B LED5
43	Point control	0-255	W LED5
44	Point control	0-255	R LED6
45	Point control	0-255	G LED6
46	Point control	0-255	B LED6
47	Point control	0-255	W LED6
48	Point control	0-255	R LED7
49	Point control	0-255	G LED7
50	Point control	0-255	B LED7
51	Point control	0-255	W LED7
52	Light circle flashing	0-255	Light circle flashing
53	Lamp ring LEDR dimming	0-255	Red dimming light ring
54	Lamp ring LEDG dimming	0-255	Light circle green dimming
55	Lamp ring LEDB dimming	0-255	Light circle blue dimming
56	Light circle dynamic effect	0-255	Light circle dynamic effect
57	Light circle dynamic effect speed	0-255	Light circle dynamic effect speed

## Routine maintenance

Light fixtures require daily cleaning. The time depends on the usage environment and factors related to the cleaning cycle as follows:

- Use smoke machine and fog machine
- Places with high wind speed (for example: air inlet and outlet)
- Dust (such as stage special effects, building structures and occasions that need to simulate natural outdoor environments)

If one or more factors exist, check whether cleaning is needed after the lamp has been running for 100 hours, and check again periodically.

All repairs not mentioned here should be consulted with a technician.



### **Attention:**

Please disconnect the AC power supply and allow the lamp to cool down completely before opening the lamp housing.

Be careful when cleaning optical components and work in a clean, bright area. The optical coating surface is fragile and easily scratched. Do not use solvents that may damage plastic or colored surfaces.

To maintain proper cooling, fans and vents must be dusted periodically

#### ➤ **Clean optical components**

1. Cut off power and allow the fixture to cool completely. Open the lamp housing.
2. Use an air compressor to blow away dust.
3. Use tissue paper dipped in glass cleaner or purified water to wipe away stubborn stains. But do not scratch the surface and rub it gently and repeatedly.
4. Use alcohol cotton cloth to remove oil smoke and debris. You can also use glass cleaner, but use purified water to clean the residue. Clean slowly in circular motions from the inside out.
5. Blow dry with a clean and soft cloth or air compressor.

#### ➤ **Clean fans and vents**

Use a soft brush, cotton cloth, vacuum cleaner, or air compressor to remove dust from fans and vents.