

12x40W RGBW 4in1 Pixel LED Batten Moving Head Light Manual

1. Definition Of Display And Buttons



Menu key: enter/return to the main menu

Up button: menu function up selection/parameter increment

Down button: menu function down selection/parameter decrease

Confirm key: Select the menu function and make a confirmation and save when modifying the menu function parameters.

2. Menu

After the machine is powered on and reset, press the Menu key to enter the main menu (exit after 30 seconds of no operation on the main menu interface). See the main menu menu for details(5 main menu options in total); Up or down key to select the main menu, confirm keyEnter and modify the functional parameters of various menus, and then press the confirm button to save the current functional parameters (with power down memory after saving).

Main Menu	Submenu	Menu Function Description
1、System settings	1. DMA address	Modify the DMA address code up or down (with an optional range of 001-512), confirm to save, and default to 001.
	2. Encoder	Modify the encoder on/off up or down, save with the confirm button, and default to on.
	3. X Invert	Modify X up or down to reverse on/off, confirm to save, default to off.
	4. Y Invert	Modify Y up or down to reverse on/off, confirm to save, default to off.
	5. Advanced Settings	Select the operation mode up or down, such as DMA/voice control/automatic, and press the confirm button to save. The default mode is DMA.
2、Operating mode	1. Operating mode	Select channels CH24, CH36, CH60 up or down CH72 CH144 confirm key to save, default to CH24.
	2. Channel selection	Modify the parameter values up or down (adjustable range 000-255), confirm to save, default to 000.
3、manual	1. Y-axis	Modify the parameter values up or down (adjustable range 000-255), confirm to save, default to 000.
	2. Y fine tuning	Modify the parameter values up or down (adjustable range 000-255), confirm to save, default to 000.
	3. Y speed	Modify the parameter values up or down (adjustable range 000-255), confirm to save, default to 000.
	4. Focusing	Modify the parameter values up or down (adjustable range 000-255), confirm to save, default to 000.
	5. Dimming	Modify the parameter values up or down (adjustable range 000-255), confirm to save, default to 000.

	6. A strobe	Modify the brightness of the red light bead up or down (adjustable range 000-255), confirm to save, default to 000.
	7. A red	Modify the green light bead brightness up or down (adjustable range 000-255), confirm to save, default to 000.
	8. A Green	Modify the blue light bead brightness up or down (adjustable range 000-255), confirm to save, default to 000.
	9. A Blue	Modify the brightness of the white light bead up or down (adjustable range 000-255), confirm to save, default to 000.
	10. A white	Modify the parameter values up or down (adjustable range 000-255), confirm to save, default to 000.
	11. Mode A	Modify the DMA address code up or down (with an optional range of 001-512), confirm to save, and default to 001.
	12. A speed	Modify the parameter values up or down (adjustable range 000-255), confirm to save, default to 000.
	13. A background color	Modify the parameter values up or down (adjustable range 000-255), confirm to save, default to 000.
	14. A Background Tone Light	Modify the parameter values up or down (adjustable range 000-255), confirm to save, default to 000.
	15. B strobe	Modify the parameter values up or down (adjustable range 000-255), confirm to save, default to 000.
	16. B Red	Modify the brightness of the red light bead up or down (adjustable range 000-255), confirm to save, default to 255.
	17. B Green	Modify the green light bead brightness up or down (adjustable range 000-255), confirm to save, default to 255.
	18. B Blue	Modify the brightness of the blue light bead up or down (adjustable range 000-255), confirm to save, default to 255.
	19. B mode	Modify the parameter values up or down (adjustable range 000-255), confirm to save, default to 000.
	20. B speed	Modify the parameter values up or down (adjustable range 000-255), confirm to save, default to 000.
	21. Direction B	Modify the parameter values up or down (adjustable range 000-255), confirm to save, default to 000.
	22. Background color B	Modify the parameter values up or down (adjustable range 000-255), confirm to save, default to 000.
	23. B Background Tone Light	Modify the parameter values up or down (adjustable range 000-255), confirm to save, default to 000.
	24. Reset	Yes/No
4、Display Settings	1. Language selection	Select Chinese/EN (English) up or down, confirm to save, default to Chinese.
	2. Invert Settings	Select up or down to turn off/on the inverted display setting, confirm to save, default to off.
	3. Screen saver	Select up or down to turn off/on screen saver, confirm to save, default to on.
	4. Software	The 069C program ID code cannot be modified.

	version		
5、Factory settings	Please enter password for display! Change up or down to 138, and then press the confirm button to enter the factory settings.	1. Y-axis calibration	Modify the focus 1 calibration (000-255) up or down, confirm and save, default to 128.
		2. Focus 1 calibration	Modify the focus 1 calibration (000-255) up or down, confirm and save, default to 128.
		3. Focus 2 calibration	Modify the focus 2 calibration (000-255) up or down, confirm and save, default to 128.
		4. Focusing stroke	Modify the focusing stroke up or down (000-255), confirm to save, default to 128.
		5. Red	Modify the red light bead current (032-255) up or down, confirm to save, default to 252.
		6. Green	Modify the green light bead current (032-255) up or down, confirm to save, default to 252.
		7. Blue	Modify the blue light bead current (032-255) up or down, confirm to save, default to 252.
		8. White	Modify the white light bead current (032-255) up or down, confirm to save, default to 252.
		9. LEDNum	Select 000/0012 up or down, confirm to save, default to 001.
		10. Current	Select 000/007 up or down, confirm to save, default to 004.
		11. Speed	Select 000/007 up or down, confirm to save, default to 000.
		12. LOGO	Select 000/001 up or down, confirm to save, default to 000.
		13. Temperature	Modify the temperature parameters up or down (range 40-70), confirm and save, default to 065.
		14. Temperature - Fan	Select up or down to turn off/on temperature fan control, confirm to save, default to on.
		15. LED	LED bead order selection LEDA/LEDB

3. Master Slave Control

Two or more identical lighting fixtures are connected with a three core signal wire using a DMA. All lighting fixtures are modified to any address code from 001 to 512, and any one is set as the host, while the other lighting fixtures are set as the slave. All slave display screens do not flash; When using the host to adjust the gradient, pulse, jump, voice control, and self-propelled effects, all slaves synchronize the gradient, pulse, jump, voice control, and self-propelled effects.

Special note: 1. Only one host can be set for a group of lighting fixtures. If there are multiple hosts, all lighting fixtures will flash randomly and not synchronize.

2. All lighting fixtures must be functional when the DMX512 console is turned off.

4. DMX512 Control

Set the address codes of all lighting fixtures and connect them in parallel with the DMX512 console using a three core signal wire. The address code stops flashing, indicating that the DMX512 console signal has been sent to the lighting fixture. According to the channel instructions, use the DMX512 console to control the relevant functions.

CH24 Channel Description:

CH	Channel Value	Function
1	000-255	Y-axis
2	000-255	Y fine tuning
3	000-255	Y speed
4	000-255	focusing
5	000-255	Dimming
6	000-255	Main light strobe
7	000-255	Main light R
8	000-255	Main light G
9	000-255	Main light B
10	000-255	Main light W
11	000-255	Main light mode
12	000-255	Main optical speed
13	000-255	Main light background color
14	000-255	Main light background tone light
15	000-255	Auxiliary strobe
16	000-255	Auxiliary light R
17	000-255	Auxiliary light G
18	000-255	Auxiliary light B
19	000-255	Auxiliary light mode
20	000-255	Auxiliary light speed
21	000-255	Auxiliary light direction
22	000-255	Auxiliary light background color
23	000-255	Auxiliary light background tone light
24	000-255	Reset: When the parameter value is between 150 and 255, the entire machine is reset. The control panel parameter value must first be pulled below 10, and then pushed to 150 to 255 to be effective. Parameter values between 000 and 149 are useless and cannot be reset.

CH36 Channel Description:

CH	Channel Value	Function
1	000-255	Y-axis
2	000-255	Y fine tuning
3	000-255	Y speed
4	000-255	focusing
5	000-255	Dimming
6	000-255	Main light strobe
7	000-255	Main light R
8	000-255	Main light G
9	000-255	Main light B
10	000-255	Main light W
11	000-255	Main light mode

12	000-255	Main optical speed
13	000-255	Main light background color
14	000-255	Main light background tone light
15	000-255	Auxiliary strobe
16	000-255	Auxiliary light R
17	000-255	Auxiliary light G
18	000-255	Auxiliary light B
19	000-255	Auxiliary light mode
20	000-255	Auxiliary light speed
21	000-255	Auxiliary light direction
22	000-255	Auxiliary light background color
23	000-255	Auxiliary light background tone light
24	000-255	Reset: When the parameter value is between 150 and 255, the entire machine is reset. The control panel parameter value must first be pulled below 10, and then pushed to 150 to 255 to be effective. Parameter values between 000 and 149 are useless and cannot be reset.
25	000-255	Main light LED1
26	000-255	Main light LED2
27	000-255	Main light LED 3
28	000-255	Main light LED 4
29	000-255	Main light LED 5
30	000-255	Main light LED 6
31	000-255	Main light LED 7
32	000-255	Main light LED 8
33	000-255	Main light LED 9
34	000-255	Main light LED10
35	000-255	Main light LED11
36	000-255	Main light LED12

CH60 Channel Description:

CH	Channel Value	Function
1	000-255	Y-axis
2	000-255	Y fine tuning
3	000-255	Y speed
4	000-255	focusing
5	000-255	Dimming
6	000-255	Main light strobe
7	000-255	Main light R
8	000-255	Main light G
9	000-255	Main light B
10	000-255	Main light W
11	000-255	Main light mode
12	000-255	Main optical speed
13	000-255	Main light background color
14	000-255	Main light background tone light

15	000-255	Auxiliary strobe
16	000-255	Auxiliary light R
17	000-255	Auxiliary light G
18	000-255	Auxiliary light B
19	000-255	Auxiliary light mode
20	000-255	Auxiliary light speed
21	000-255	Auxiliary light direction
22	000-255	Auxiliary light background color
23	000-255	Auxiliary light background tone light
24	000-255	Reset: When the parameter value is between 150 and 255, the entire machine is reset. The control panel parameter value must first be pulled below 10, and then pushed to 150 to 255 to be effective. Parameter values between 000 and 149 are useless and cannot be reset.
25	000-255	Main light LED1
26	000-255	Main light LED2
27	000-255	Main light LED 3
28	000-255	Main light LED 4
29	000-255	Main light LED 5
30	000-255	Main light LED 6
31	000-255	Main light LED 7
32	000-255	Main light LED 8
33	000-255	Main light LED 9
34	000-255	Main light LED10
35	000-255	Main light LED11
36	000-255	Main light LED12
37	000-255	Auxiliary light LED1
38	000-255	Auxiliary light LED2
39	000-255	Auxiliary light LED3
40	000-255	Auxiliary light LED 4
41	000-255	Auxiliary light LED 5
42	000-255	Auxiliary light LED 6
43	000-255	Auxiliary light LED 7
44	000-255	Auxiliary light LED 8
45	000-255	Auxiliary light LED 9
46	000-255	Auxiliary light LED10
47	000-255	Auxiliary light LED11
48	000-255	Auxiliary light LED12
49	000-255	Auxiliary light LED13
50	000-255	Auxiliary light LED14
51	000-255	Auxiliary light LED15
52	000-255	Auxiliary light LED16
53	000-255	Auxiliary light LED17
54	000-255	Auxiliary light LED18
55	000-255	Auxiliary light LED19
56	000-255	Auxiliary light LED20
57	000-255	Auxiliary light LED21

58	000-255	Auxiliary light LED22
59	000-255	Auxiliary light LED23
60	000-255	Auxiliary light LED24

CH72 Channel Description:

CH	Channel Value	Function
1	000-255	Y-axis
2	000-255	Y fine tuning
3	000-255	Y speed
4	000-255	focusing
5	000-255	Dimming
6	000-255	Main light strobe
7	000-255	Main light R
8	000-255	Main light G
9	000-255	Main light B
10	000-255	Main light W
11	000-255	Main light mode
12	000-255	Main optical speed
13	000-255	Main light background color
14	000-255	Main light background tone light
15	000-255	Auxiliary strobe
16	000-255	Auxiliary light R
17	000-255	Auxiliary light G
18	000-255	Auxiliary light B
19	000-255	Auxiliary light mode
20	000-255	Auxiliary light speed
21	000-255	Auxiliary light direction
22	000-255	Auxiliary light background color
23	000-255	Auxiliary light background tone light
24	000-255	Reset: When the parameter value is between 150 and 255, the entire machine is reset. The control panel parameter value must first be pulled below 10, and then pushed to 150 to 255 to be effective. Parameter values between 000 and 149 are useless and cannot be reset.
25	000-255	Main light red 1
26	000-255	Main light green 1
27	000-255	Main light blue 1
28	000-255	Main light white 1
29	000-255	Main light red 2
30	000-255	Main light green 2
31	000-255	Main light blue 2
32	000-255	Main light white 2
33	000-255	Main light red 3
34	000-255	Main light green 3
35	000-255	Main light blue 3
36	000-255	Main light white 3

37	000-255	Main Light Red 4
38	000-255	Main light green 4
39	000-255	Main light blue 4
40	000-255	Main light white 4
41	000-255	Main light red 5
42	000-255	Main light green 5
43	000-255	Main light blue 5
44	000-255	Main light white 5
45	000-255	Main Light Red 6
46	000-255	Main light green 6
47	000-255	Main light blue 6
48	000-255	Main light white 6
49	000-255	Main Light Red 7
50	000-255	Main light green 7
51	000-255	Main light blue 7
52	000-255	Main light white 7
53	000-255	Main Light Red 8
54	000-255	Main light green 8
55	000-255	Main light blue 8
56	000-255	Main light white 8
57	000-255	Main Light Red 9
58	000-255	Main light green 9
59	000-255	Main light blue 9
60	000-255	Main light white 9
61	000-255	Main Light Red 10
62	000-255	Main light green 10
63	000-255	Main light blue 10
64	000-255	Main light white 10
65	000-255	Main Light Red 11
66	000-255	Main light green 11
67	000-255	Main light blue 11
68	000-255	Main light white 11
69	000-255	Main Light Red 12
70	000-255	Main light green 12
71	000-255	Main light blue 12
72	000-255	Main light white 12

CH144 Channel Description:

CH	Channel Value	Function
1	000-255	Y-axis
2	000-255	Y fine tuning
3	000-255	Y speed
4	000-255	focusing
5	000-255	Dimming
6	000-255	Main light strobe

7	000-255	Main light R
8	000-255	Main light G
9	000-255	Main light B
10	000-255	Main light W
11	000-255	Main light mode
12	000-255	Main optical speed
13	000-255	Main light background color
14	000-255	Main light background tone light
15	000-255	Auxiliary strobe
16	000-255	Auxiliary light R
17	000-255	Auxiliary light G
18	000-255	Auxiliary light B
19	000-255	Auxiliary light mode
20	000-255	Auxiliary light speed
21	000-255	Auxiliary light direction
22	000-255	Auxiliary light background color
23	000-255	Auxiliary light background tone light
24	000-255	Reset: When the parameter value is between 150 and 255, the entire machine is reset. The control panel parameter value must first be pulled below 10, and then pushed to 150 to 255 to be effective. Parameter values between 000 and 149 are useless and cannot be reset.
25	000-255	Main light R1
26	000-255	Main light G1
27	000-255	Main light B1
28	000-255	Main light W1
29	000-255	Main light R2
30	000-255	Main light G2
31	000-255	Main light B2
32	000-255	Main light W2
33	000-255	Main light R3
34	000-255	Main light G3
35	000-255	Main light B3
36	000-255	Main light W3
37	000-255	Main light R4
38	000-255	Main light G4
39	000-255	Main light B4
40	000-255	Main light W4
41	000-255	Main light R5
42	000-255	Main light G5
43	000-255	Main light B5
44	000-255	Main light W5
45	000-255	Main light R6
46	000-255	Main light G6
47	000-255	Main light B6
48	000-255	Main light W6
49	000-255	Main light R7

50	000-255	Main light G7
51	000-255	Main light B7
52	000-255	Main light W7
53	000-255	Main light R8
54	000-255	Main light G8
55	000-255	Main light B8
56	000-255	Main light W8
57	000-255	Main light R9
58	000-255	Main light G9
59	000-255	Main light B9
60	000-255	Main light W9
61	000-255	Main light R10
62	000-255	Main light G10
63	000-255	Main light B10
64	000-255	Main light W10
65	000-255	Main light R11
66	000-255	Main light G11
67	000-255	Main light B11
68	000-255	Main light W11
69	000-255	Main light R12
70	000-255	Main light G12
71	000-255	Main light B12
72	000-255	Main light W12
73	000-255	Auxiliary light R1
74	000-255	Auxiliary light G1
75	000-255	Auxiliary light B1
76	000-255	Auxiliary light R2
77	000-255	Auxiliary light G2
78	000-255	Auxiliary light B2
79	000-255	Auxiliary light R3
80	000-255	Auxiliary light G3
81	000-255	Auxiliary light B3
82	000-255	Auxiliary light R4
83	000-255	Auxiliary light G4
84	000-255	Auxiliary light B4
85	000-255	Auxiliary light R5
86	000-255	Auxiliary light G5
87	000-255	Auxiliary light B5
88	000-255	Auxiliary light R6
89	000-255	Auxiliary light G6
90	000-255	Auxiliary light B6
91	000-255	Auxiliary light R7
92	000-255	Auxiliary light G7
93	000-255	Auxiliary light B7
94	000-255	Auxiliary light R8

95	000-255	Auxiliary light G8
96	000-255	Auxiliary light B8
97	000-255	Auxiliary light R9
98	000-255	Auxiliary light G9
99	000-255	Auxiliary light B9
100	000-255	Auxiliary light R10
101	000-255	Auxiliary light G10
102	000-255	Auxiliary light B10
103	000-255	Auxiliary light R11
104	000-255	Auxiliary light G11
105	000-255	Auxiliary light B11
106	000-255	Auxiliary light R12
107	000-255	Auxiliary light G12
108	000-255	Auxiliary light B12
109	000-255	Auxiliary light R13
110	000-255	Auxiliary light G13
111	000-255	Auxiliary light B13
112	000-255	Auxiliary light R14
113	000-255	Auxiliary light G14
114	000-255	Auxiliary light B14
115	000-255	Auxiliary light R15
116	000-255	Auxiliary light G15
117	000-255	Auxiliary light B15
118	000-255	Auxiliary light R16
119	000-255	Auxiliary light G16
120	000-255	Auxiliary light B16
121	000-255	Auxiliary light R17
122	000-255	Auxiliary light G17
123	000-255	Auxiliary light B17
124	000-255	Auxiliary light R18
125	000-255	Auxiliary light G18
126	000-255	Auxiliary light B18
127	000-255	Auxiliary light R19
128	000-255	Auxiliary light G19
129	000-255	Auxiliary light B19
130	000-255	Auxiliary light R20
131	000-255	Auxiliary light G20
132	000-255	Auxiliary light B20
133	000-255	Auxiliary light R21
134	000-255	Auxiliary light G21
135	000-255	Auxiliary light B21
136	000-255	Auxiliary light R22
137	000-255	Auxiliary light G22
138	000-255	Auxiliary light B22
139	000-255	Auxiliary light R23

140	000-255	Auxiliary light G23
141	000-255	Auxiliary light B23
142	000-255	Auxiliary light R24
143	000-255	Auxiliary light G24
144	000-255	Auxiliary light B24

5. Technical Parameters:

Voltage: AC100~240V 50/60HZ

Power: 500W

Light Source: 12x40W RGBW 4in1 Tianxin LED beads

144 0.3W RGB 3in1 5050 pixel LED beads

Control Mode: DMX512, Master-slave, Sound, Auto, with RDM function.

Channels: CH24/CH36/CH60/CH72/CH144

Zoom: 2 sections zooming (6 leds + 6 Leds), 4°-45°

Dimming: 32bit, 0-100% linear dimming

Features: Single LED Control + Tilt Shaking Head + Beam + Explosion Strobe + Pixel Light

Strobe Frequency: 1-30Hz

Tilt Movement: 205°

Motor: 3-phase motors, two motors for zoom, one for tilt

Cooling: 7 strong fans cooling system

Machine Body: Metal aluminum alloy, black color

Connection DMX: DMX512 input/output

Connection Power: powercon input/powercon output.

Working Temperature: -30 ° C~50 ° C

IP Rating: IP20

Product Dimension: L100cm x W12cm x H27cm

Net Weight: 14.4kg

Carton: 112x19x38cm

Gross Weight: 16.4kg