USER MANUEL

12*60W ColorPixel LED Bar Zoom



1.Definition of display panel and buttons



Menu key: Enter/Return to main menu
Up key: menu function up selection/parameter increment
Down arrow key: menu function down selection/decreasing parameters

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

2 MENU

After powering on and resetting the entire machine, press the menu button to enter the main menu (exit after 30 seconds of inactivity on the main menu interface). Please refer to the main menu function table for details(5 main menu options in total); Use the up or down arrow keys to select the main menu, and press the confirm button to enter and modify the functional parameters of each menu. After modification, 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. DMX address	Modify the DMX address code up or down (optional range of address code 001-512), press the confirm key to save, default to 001.
	2. Y reversal	Modify Y reversal up or down to turn on/off, confirm key to save, default to turn off.
	3. No signal	Reset to zero
	4. Advanced Settings	
2、Operating mode	1. Operation mode	Select up or down the operating mode of DMX/voice control/automatic, press the confirm button to save, default to DMX.
	2. Channel selection	Select channel CH20.CH169A up or down CH169B. CH53. CH101. CH155. CH179 Confirm key to save, default CH20.
	3、Y	Modify the operating parameter values of Y motor up or down (adjustable range 000-255), press the confirm button to save, default to 128.
	4. Y speed	Modify the speed operation parameter value of Y motor up or down (adjustable range 000-255), press the confirm button to save, default is 128.
	5. Y mode	Modify the Y mode parameter value up or down (adjustable range 000-255), press the confirm key to save, default is 128.

	6. Y mode amplitude	Modify the amplitude parameter value of Y mode up or down (adjustable range 000-255), press the confirm key to save, default is 128.	
	7. ZOOM	Modify the operating parameter values of the focusing motor up or down (adjustable range 000-255), press the confirm button to save, default is 255.	
	8. Total dimming	Modify the dimming parameter value up or down (adjustable range 000-255), press the confirm key to save, default is 255.	
	9. Strobe light	Modify the strobe parameter value up or down (adjustable range 000-255), press the confirm key to save, default to 000.	
	10. Red	Adjust the brightness of the red light bead up or down (adjustable range 000-255), press the confirm button to save, default is 255.	
	11. Green	Adjust the brightness of the green light bead up or down (adjustable range 000-255), press the confirm button to save, default is 255.	
	12. Blue	Adjust the brightness of the blue light bead up or down (adjustable range 000-255), press the confirm button to save, default is 255.	
	13. White	Adjust the brightness of the white light bead up or down (adjustable range 000-255), press the confirm button to save, default is 255.	
	14. Mode	Modify the mode parameter value up or down (adjustable range 000-255), press the confirm key to save, default is 255.	
	15. Speed	Modify the speed parameter value up or down (adjustable range 000-255), press the confirm key to save, default is 255.	
	16. Background color	Modify the background color parameter value up or down (adjustable range 000-255), press the confirm key to save, default is 255.	
	17. Background color tone light	Modify the background color tone and light parameter values up or down (adjustable range 000-255), press the confirm key to save, default is 255.	
	18. Reset	Yes/No	
4、Display Settings	1. Language selection	Select Chinese/EN (English) up or down, press the confirm button to save, default to Chinese.	
	2. Inverted Display Settings	Select up or down to turn off/on the reverse display setting, press the confirm button to save, and it will be turned off by default.	
	3. Screen saver	Select up or down to turn off/on the screen saver, press the confirm button to save, and it will be turned on by default.	
	4. Software version	04XZ	
5、Factory settings	Please enter your password! Change up or down to 138, then press the confirm button to enter the factory settings。	1. Y1 axis calibration	Modify parameters up or down (range 000-255), press the confirm key to save, default is 128.
		2. F1 axis calibration	Modify parameters up or down (range 000-255), press the confirm key to save, default is 128.
		3. Y2 axis calibration	Modify parameters up or down (range 000-255), press the confirm key to save, default is 128.
		4. F2 axis calibration	Modify parameters up or down (range 000-255), press the confirm key to save, default is 128.
		5. Y3 axis calibration	Modify parameters up or down (range 000-255), press the confirm key to save, default is 128.
		6. F3 axis calibration	Modify parameters up or down (range 000-255), press the confirm key to save, default is 128.
		7. Y4 axis calibration	Modify parameters up or down (range 000-255), press the confirm key to save, default is 128.
		8. F4 axis	Modify parameters up or down (range 000-255), press the confirm key

		calibration	to save, default is 128.
		9. Y5 axis calibration	Modify parameters up or down (range 000-255), press the confirm key to save, default is 128.
		10. F5 axis calibration	Modify parameters up or down (range 000-255), press the confirm key to save, default is 128.
		11. Y6 axis calibration	Modify parameters up or down (range 000-255), press the confirm key to save, default is 128.
		12. F6 axis calibration	Modify parameters up or down (range 000-255), press the confirm key to save, default is 128.
		13. Y7 axis calibration	Modify parameters up or down (range 000-255), press the confirm key to save, default is 128.
		14. F7 axis calibration	Modify parameters up or down (range 000-255), press the confirm key to save, default is 128.
		15. Y8 axis calibration	Modify parameters up or down (range 000-255), press the confirm key to save, default is 128.
		16. F8 axis calibration	Modify parameters up or down (range 000-255), press the confirm key to save, default is 128.
		17. Y9 axis calibration	Modify parameters up or down (range 000-255), press the confirm key to save, default is 128.
		18. F9 axis calibration	Modify parameters up or down (range 000-255), press the confirm key to save, default is 128.
		19. Y10 axis calibration	Modify parameters up or down (range 000-255), press the confirm key to save, default is 128.
		20. F10 axis calibration	Modify parameters up or down (range 000-255), press the confirm key to save, default is 128.
		21. Y11 axis calibration	Modify parameters up or down (range 000-255), press the confirm key to save, default is 128.
		22. F11 axis calibration	Modify parameters up or down (range 000-255), press the confirm key to save, default is 128.
		23. Y12 axis calibration	Modify parameters up or down (range 000-255), press the confirm key to save, default is 128.
		24. F12 axis calibration	Modify parameters up or down (range 000-255), press the confirm key to save, default is 128.
		25. Y-axis travel	Modify the Y travel parameter (range 000-255) up or down, press the confirm key to save, default is 128.
		26. ZOOM	Modify the focusing stroke parameter (range 000-255) up or down, press the confirm button to save, default is 128.
		27. Red	Modify parameters up or down (range 000-255), press the confirm key to save, default is 255.
		28. Green	Modify parameters up or down (range 000-255), press the confirm key to save, default is 255.
		29. Blue	Modify parameters up or down (range 000-255), press the confirm key to save, default is 255.
		30. White	Modify parameters up or down (range 000-255), press the confirm key to save, default is 255.
		31. Red	Modify parameters up or down (range 000-255), press the confirm key to save, default is 255.
		32. Green	Modify parameters up or down (range 000-255), press the confirm key

			to save, default is 255.
		33. Blue	Modify parameters up or down (range 000-255), press the confirm key to save, default is 255.
		34. White	Modify parameters up or down (range 000-255), press the confirm key to save, default is 255.
		35. Red	Modify parameters up or down (range 000-255), press the confirm key to save, default is 255.
		36. Green	Modify parameters up or down (range 000-255), press the confirm key to save, default is 255.
		37. Blue	Modify parameters up or down (range 000-255), press the confirm key to save, default is 255.
		38. White	Modify parameters up or down (range 000-255), press the confirm key to save, default is 255.
		39. Red	Modify parameters up or down (range 000-255), press the confirm key to save, default is 255.
		40. Green	Modify parameters up or down (range 000-255), press the confirm key to save, default is 255.
		41. Blue	Modify parameters up or down (range 000-255), press the confirm key to save, default is 255.
		42. White	Modify parameters up or down (range 000-255), press the confirm key to save, default is 255.
		43. Red	Modify parameters up or down (range 000-255), press the confirm key to save, default is 255.
		44. Green	Modify parameters up or down (range 000-255), press the confirm key to save, default is 255.
		45. Blue	Modify parameters up or down (range 000-255), press the confirm key to save, default is 255.
		46. White	Modify parameters up or down (range 000-255), press the confirm key to save, default is 255.
		47. Red	Modify parameters up or down (range 000-255), press the confirm key to save, default is 255.
		48. Green	Modify parameters up or down (range 000-255), press the confirm key to save, default is 255.
		49. Blue	Modify parameters up or down (range 000-255), press the confirm key to save, default is 255.
		50. White	Modify parameters up or down (range 000-255), press the confirm key to save, default is 255.
		51. Red	Modify parameters up or down (range 000-255), press the confirm key to save, default is 255.
		52. Green	Modify parameters up or down (range 000-255), press the confirm key to save, default is 255.
		53. Blue	Modify parameters up or down (range 000-255), press the confirm key to save, default is 255.
		54. White	Modify parameters up or down (range 000-255), press the confirm key to save, default is 255.
		55. Red	Modify parameters up or down (range 000-255), press the confirm key to save, default is 255.
		56. Green	Modify parameters up or down (range 000-255), press the confirm key

			to save, default is 255.
		57. Blue	Modify parameters up or down (range 000-255), press the confirm key to save, default is 255.
		58. White	Modify parameters up or down (range 000-255), press the confirm key to save, default is 255.
		59. Red	Modify parameters up or down (range 000-255), press the confirm key to save, default is 255.
		60. Green	Modify parameters up or down (range 000-255), press the confirm key to save, default is 255.
		61. Blue	Modify parameters up or down (range 000-255), press the confirm key to save, default is 255.
		62. White	Modify parameters up or down (range 000-255), press the confirm key to save, default is 255.
		63. Red	Modify parameters up or down (range 000-255), press the confirm key to save, default is 255.
		64. Green	Modify parameters up or down (range 000-255), press the confirm key to save, default is 255.
		65. Blue	Modify parameters up or down (range 000-255), press the confirm key to save, default is 255.
		66. White	Modify parameters up or down (range 000-255), press the confirm key to save, default is 255.
		67. Red	Modify parameters up or down (range 000-255), press the confirm key to save, default is 255.
		68. Green	Modify parameters up or down (range 000-255), press the confirm key to save, default is 255.
		69. Blue	Modify parameters up or down (range 000-255), press the confirm key to save, default is 255.
		70. White	Modify parameters up or down (range 000-255), press the confirm key to save, default is 255.
		71. Red	Modify parameters up or down (range 000-255), press the confirm key to save, default is 255.
		72. Green	Modify parameters up or down (range 000-255), press the confirm key to save, default is 255.
		73. Blue	Modify parameters up or down (range 000-255), press the confirm key to save, default is 255.
		74. White	Modify parameters up or down (range 000-255), press the confirm key to save, default is 255.
		75. LED direction	Modify the LED direction parameter (range 000-255) up or down, press the confirm button to save, default to 000.
		76. Current	Modify the current parameter up or down (range 000-255), press the confirm button to save, default is 230.
		77. Logo	Logo switching
		78. Temperature	Temperature modification. Default 45
		79. Temperature Control -	Open/Close

		Fan	
		80. LED	LED sequence switching
		81. YF direction	Modify the YF direction parameter (range 000-255) up or down, press the confirm key to save, default to 000.

3 Master-slave control

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

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

2).All lighting fixtures must be activated by the master and slave when the DMX512 console is turned off.

4.DMX512control

All lamp address codes are set, and all lamps are connected in parallel to the DMX512 console using a DMX three core signal wire. The address code stops flashing, indicating that the DMX512 console signal has been sent to the lamp. According to the channel instructions, use the DMX512 console to control the relevant functions。

CH20Channel description：

thoroughfare	channel value	basic function
1	000-255	Y coarse adjustment (Y mode direction)
2	000-255	Y fine-tuning overall (Y mode amplitude)
3	000-255	Y speed (Y mode speed)
4	000-255	Y mode
5	000-255	CTC
6	000-255	Color Macro
7	000-255	pattern
8	000-255	LED built-in effect
9	000-255	LED built-in effect speed
10	000-255	LED built-in effect trailing time
11	000-255	LED background color
12	000-255	LED background color tone light
13	000-255	Dimming
14	000-255	Strobe light
15	000-255	ZOOM
16	000-255	function
17	000-255	red

18	000-255	green
19	000-255	blue
20	000-255	white

CH53Channel description：

thoroughfare	channel value	basic function
1	000-255	Y1 coarse adjustment (Y mode direction)
2	000-255	Y1 fine-tuning (Y mode amplitude)
3	000-255	Y2 coarse adjustment
4	000-255	Y2 fine-tuning
5	000-255	Y3 coarse adjustment
6	000-255	Y3 fine-tuning
7	000-255	Y4 coarse adjustment
8	000-255	Y4 fine-tuning
9	000-255	Y5 coarse adjustment
10	000-255	Y5 fine-tuning
11	000-255	Y6 coarse adjustment
12	000-255	Y6 fine-tuning
13	000-255	Y7 coarse adjustment
14	000-255	Y7 fine-tuning
15	000-255	Y8 coarse adjustment
16	000-255	Y8 fine-tuning
17	000-255	Y9 coarse adjustment
18	000-255	Y9 fine-tuning
19	000-255	Y10 coarse adjustment
20	000-255	Y10 fine-tuning
21	000-255	Y11 coarse adjustment
22	000-255	Y11 fine-tuning
23	000-255	Y12 coarse adjustment
24	000-255	Y12 fine-tuning
25	000-255	Y speed (Y mode speed)
26	000-255	Y mode
27	000-255	CTC
28	000-255	Color Macro
29	000-255	pattern
30	000-255	LED built-in effect
31	000-255	LED built-in effect speed
32	000-255	LED built-in effect trailing time
33	000-255	LED background color
34	000-255	LED background color tone light coarse adjustment
35	000-255	Dimming

36	000-255	Strobe light
37	000-255	Enlarge 1
38	000-255	Enlarge 2
39	000-255	Enlarge 3
40	000-255	Enlarge 4
41	000-255	Zoom in 5
42	000-255	Magnify 6
43	000-255	Magnify 7
44	000-255	Enlarge 8
45	000-255	Enlarge 9
46	000-255	Zoom in 10
47	000-255	Enlarge 11
48	000-255	Enlarge 12
49	000-255	function
50	000-255	red
51	000-255	green
52	000-255	blue
53	000-255	white

CH169AChannel description：

thoroughfare	channel value	basic function
1	000-255	function
2	000-255	Y speed (Y mode speed)
3	000-255	Y mode
4	000-255	CTC
5	000-255	Color Macro
6	000-255	pattern
7	000-255	LED built-in effect
8	000-255	LED built-in effect speed
9	000-255	LED built-in effect trailing time
10	000-255	LED background color
11	000-255	LED background color tone light coarse adjustment
12	000-255	LED background color tone light fine-tuning
13	000-255	Strobe light
14	000-255	Y1 coarse adjustment (Y mode direction)
15	000-255	Y1 fine-tuning (Y mode amplitude)
16	000-255	Enlarge 1
17	000-255	Dimming 1 coarse adjustment
18	000-255	Dimming 1 fine-tuning
19	000-255	Red 1 coarse adjustment
20	000-255	Red 1 fine-tuning

21	000-255	Green 1 coarse adjustment
22	000-255	Green 1 fine-tuning
23	000-255	Blue 1 coarse adjustment
24	000-255	Blue 1 fine-tuning
25	000-255	White 1 coarse adjustment
26	000-255	White 1 fine-tuning
27	000-255	Y2 coarse adjustment
28	000-255	Y2 fine-tuning
29	000-255	Enlarge 2
30	000-255	Dimming 2 coarse adjustment
31	000-255	Dimming 2 fine-tuning
32	000-255	Red 2 coarse adjustment
33	000-255	Red 2 fine-tuning
34	000-255	Green 2 coarse adjustment
35	000-255	Green 2 fine-tuning
36	000-255	Blue 2 coarse adjustment
37	000-255	Blue 2 fine-tuning
38	000-255	White 2 coarse adjustment
39	000-255	White 2 fine-tuning
40	000-255	Y3 coarse adjustment
41	000-255	Y3 fine-tuning
42	000-255	Enlarge 3
43	000-255	Dimming 3 coarse adjustment
44	000-255	Dimming 3 fine-tuning
45	000-255	Red 3 coarse adjustment
46	000-255	Red 3 fine-tuning
47	000-255	Green 3 coarse adjustment
48	000-255	Green 3 fine-tuning
49	000-255	Blue 3 coarse adjustment
50	000-255	Blue 3 fine-tuning
51	000-255	White 3 coarse adjustment
52	000-255	White 3 Fine Adjustments
53	000-255	Y4 coarse adjustment
54	000-255	Y4 fine-tuning
55	000-255	Enlarge 4
56	000-255	Dimming 4 coarse adjustment
57	000-255	Dimming 4 fine-tuning
58	000-255	Red 4 coarse adjustment
59	000-255	Red 4 fine-tuning
60	000-255	Green 4 coarse adjustment
61	000-255	Green 4 fine-tuning
62	000-255	Blue 4 coarse adjustment
63	000-255	Blue 4 fine-tuning
64	000-255	White 4 coarse adjustment
65	000-255	White 4 Fine Adjustments
66	000-255	Y5 coarse adjustment

67	000-255	Y5 fine-tuning
68	000-255	Zoom in 5
69	000-255	Dimming 5 coarse adjustment
70	000-255	Dimming 5 fine-tuning
71	000-255	Red 5 coarse adjustment
72	000-255	Red 5 fine-tuning
73	000-255	Green 5 coarse adjustment
74	000-255	Green 5 fine-tuning
75	000-255	Blue 5 coarse adjustment
76	000-255	Blue 5 fine-tuning
77	000-255	White 5 coarse adjustment
78	000-255	White 5 Fine Adjustments
79	000-255	Y6 coarse adjustment
80	000-255	Y6 fine-tuning
81	000-255	Magnify 6
82	000-255	Dimming 6 coarse adjustment
83	000-255	Dimming 6 fine-tuning
84	000-255	Red 6 coarse adjustment
85	000-255	Red 6 fine-tuning
86	000-255	Green 6 coarse adjustment
87	000-255	Green 6 fine-tuning
88	000-255	Blue 6 coarse adjustment
89	000-255	Blue 6 fine-tuning
90	000-255	White 6 coarse adjustment
91	000-255	White 6 Fine Adjustments
92	000-255	Y7 coarse adjustment
93	000-255	Y7 fine-tuning
94	000-255	Magnify 7
95	000-255	Dimming 7 coarse adjustment
96	000-255	Dimming 7 fine-tuning
97	000-255	Red 7 coarse adjustment
98	000-255	Red 7 fine-tuning
99	000-255	Green 7 coarse adjustment
100	000-255	Green 7 fine-tuning
101	000-255	Blue 7 coarse adjustment
102	000-255	Blue 7 fine-tuning
103	000-255	White 7 coarse adjustment
104	000-255	White 7 fine-tuning
105	000-255	Y8 coarse adjustment
106	000-255	Y8 fine-tuning
107	000-255	Enlarge 8
108	000-255	Dimming 8 coarse adjustment
109	000-255	Dimming 8 fine-tuning
110	000-255	Red 8 coarse adjustment
111	000-255	Red 8 fine-tuning
112	000-255	Green 8 coarse adjustment

113	000-255	Green 8 fine-tuning
114	000-255	Blue 8 coarse adjustment
115	000-255	Blue 8 fine-tuning
116	000-255	White 8 coarse adjustment
117	000-255	White 8 Fine Adjustments
118	000-255	Y9 coarse adjustment
119	000-255	Y9 fine-tuning
120	000-255	Enlarge 9
121	000-255	Dimming 9 coarse adjustment
122	000-255	Dimming 9 fine-tuning
123	000-255	Red 9 coarse adjustment
124	000-255	Red 9 fine-tuning
125	000-255	Green 9 coarse adjustment
126	000-255	Green 9 fine-tuning
127	000-255	Blue 9 coarse adjustment
128	000-255	Blue 9 fine-tuning
129	000-255	White 9 coarse adjustment
130	000-255	White 9 fine-tuning
131	000-255	Y10 coarse adjustment
132	000-255	Y10 fine-tuning
133	000-255	Zoom in 10
134	000-255	Dimming 10 coarse adjustment
135	000-255	Dimming 10 fine-tuning
136	000-255	Red 10 coarse adjustment
137	000-255	Red 10 Fine Adjustments
138	000-255	Green 10 coarse adjustment
139	000-255	Green 10 fine-tuning
140	000-255	Blue 10 coarse adjustment
141	000-255	Blue 10 Fine Adjustments
142	000-255	White 10 coarse adjustment
143	000-255	White 10 Fine Adjustments
144	000-255	Y11 coarse adjustment
145	000-255	Y11 fine-tuning
146	000-255	Enlarge 11
147	000-255	Dimming 11 coarse adjustment
148	000-255	Dimming 11 fine-tuning
149	000-255	Red 11 coarse adjustment
150	000-255	Red 11 fine-tuning
151	000-255	Green 11 coarse adjustment
152	000-255	Green 11 fine-tuning
153	000-255	Blue 11 coarse adjustment
154	000-255	Blue 11 fine-tuning
155	000-255	White 11 coarse adjustment
156	000-255	White 11 fine-tuning
157	000-255	Y12 coarse adjustment
158	000-255	Y12 fine-tuning

159	000-255	Enlarge 12
160	000-255	Dimming 12 coarse adjustment
161	000-255	Dimming 12 fine-tuning
162	000-255	Red 12 coarse adjustment
163	000-255	Red 12 fine-tuning
164	000-255	Green 12 coarse adjustment
165	000-255	Green 12 fine-tuning
166	000-255	Blue 12 coarse adjustment
167	000-255	Blue 12 fine-tuning
168	000-255	White 12 coarse adjustment
169	000-255	White 12 Fine Adjustments

CH169BChannel description：

thoroughfare	channel value	basic function
1	000-255	Y1 coarse adjustment
2	000-255	Y1 fine-tuning
3	000-255	Enlarge 1
4	000-255	Dimming 1 coarse adjustment
5	000-255	Dimming 1 fine-tuning
6	000-255	Strobe 1
7	000-255	Red 1 coarse adjustment
8	000-255	Red 1 fine-tuning
9	000-255	Green 1 coarse adjustment
10	000-255	Green 1 fine-tuning
11	000-255	Blue 1 coarse adjustment
12	000-255	Blue 1 fine-tuning
13	000-255	White 1 coarse adjustment
14	000-255	White 1 fine-tuning
15	000-255	Y2 coarse adjustment
16	000-255	Y2 fine-tuning
17	000-255	Enlarge 2
18	000-255	Dimming 2 coarse adjustment
19	000-255	Dimming 2 fine-tuning
20	000-255	Strobe 2
21	000-255	Red 2 coarse adjustment
22	000-255	Red 2 fine-tuning
23	000-255	Green 2 coarse adjustment
24	000-255	Green 2 fine-tuning
25	000-255	Blue 2 coarse adjustment
26	000-255	Blue 2 fine-tuning
27	000-255	White 2 coarse adjustment
28	000-255	White 2 fine-tuning
29	000-255	Y3 coarse adjustment

30	000-255	Y3 fine-tuning
31	000-255	Enlarge 3
32	000-255	Dimming 3 coarse adjustment
33	000-255	Dimming 3 fine-tuning
34	000-255	Strobe 3
35	000-255	Red 3 coarse adjustment
36	000-255	Red 3 fine-tuning
37	000-255	Green 3 coarse adjustment
38	000-255	Green 3 fine-tuning
39	000-255	Blue 3 coarse adjustment
40	000-255	Blue 3 fine-tuning
41	000-255	White 3 coarse adjustment
42	000-255	White 3 Fine Adjustments
43	000-255	Y4 coarse adjustment
44	000-255	Y4 fine-tuning
45	000-255	Enlarge 4
46	000-255	Dimming 4 coarse adjustment
47	000-255	Dimming 4 fine-tuning
48	000-255	Strobe 4
49	000-255	Red 4 coarse adjustment
50	000-255	Red 4 fine-tuning
51	000-255	Green 4 coarse adjustment
52	000-255	Green 4 fine-tuning
53	000-255	Blue 4 coarse adjustment
54	000-255	Blue 4 fine-tuning
55	000-255	White 4 coarse adjustment
56	000-255	White 4 Fine Adjustments
57	000-255	Y5 coarse adjustment
58	000-255	Y5 fine-tuning
59	000-255	Zoom in 5
60	000-255	Dimming 5 coarse adjustment
61	000-255	Dimming 5 fine-tuning
62	000-255	Strobe 5
63	000-255	Red 5 coarse adjustment
64	000-255	Red 5 fine-tuning
65	000-255	Green 5 coarse adjustment
66	000-255	Green 5 fine-tuning
67	000-255	Blue 5 coarse adjustment
68	000-255	Blue 5 fine-tuning
69	000-255	White 5 coarse adjustment
70	000-255	White 5 Fine Adjustments
71	000-255	Y6 coarse adjustment
72	000-255	Y6 fine-tuning
73	000-255	Magnify 6
74	000-255	Dimming 6 coarse adjustment
75	000-255	Dimming 6 fine-tuning

76	000-255	Strobe 6
77	000-255	Red 6 coarse adjustment
78	000-255	Red 6 fine-tuning
79	000-255	Green 6 coarse adjustment
80	000-255	Green 6 fine-tuning
81	000-255	Blue 6 coarse adjustment
82	000-255	Blue 6 fine-tuning
83	000-255	White 6 coarse adjustment
84	000-255	White 6 Fine Adjustments
85	000-255	Y7 coarse adjustment
86	000-255	Y7 fine-tuning
87	000-255	Magnify 7
88	000-255	Dimming 7 coarse adjustment
89	000-255	Dimming 7 fine-tuning
90	000-255	Strobe 7
91	000-255	Red 7 coarse adjustment
92	000-255	Red 7 fine-tuning
93	000-255	Green 7 coarse adjustment
94	000-255	Green 7 fine-tuning
95	000-255	Blue 7 coarse adjustment
96	000-255	Blue 7 fine-tuning
97	000-255	White 7 coarse adjustment
98	000-255	White 7 fine-tuning
99	000-255	Y8 coarse adjustment
100	000-255	Y8 fine-tuning
101	000-255	Enlarge 8
102	000-255	Dimming 8 coarse adjustment
103	000-255	Dimming 8 fine-tuning
104	000-255	Strobe 8
105	000-255	Red 8 coarse adjustment
106	000-255	Red 8 fine-tuning
107	000-255	Green 8 coarse adjustment
108	000-255	Green 8 fine-tuning
109	000-255	Blue 8 coarse adjustment
110	000-255	Blue 8 fine-tuning
111	000-255	White 8 coarse adjustment
112	000-255	White 8 Fine Adjustments
113	000-255	Y9 coarse adjustment
114	000-255	Y9 fine-tuning
115	000-255	Enlarge 9
116	000-255	Dimming 9 coarse adjustment
117	000-255	Dimming 9 fine-tuning
118	000-255	Strobe 9
119	000-255	Red 9 coarse adjustment
120	000-255	Red 9 fine-tuning
121	000-255	Green 9 coarse adjustment

122	000-255	Green 9 fine-tuning
123	000-255	Blue 9 coarse adjustment
124	000-255	Blue 9 fine-tuning
125	000-255	White 9 coarse adjustment
126	000-255	White 9 fine-tuning
127	000-255	Y10 coarse adjustment
128	000-255	Y10 fine-tuning
129	000-255	Zoom in 10
130	000-255	Dimming 10 coarse adjustment
131	000-255	Dimming 10 fine-tuning
132	000-255	Strobe 10
133	000-255	Red 10 coarse adjustment
134	000-255	Red 10 Fine Adjustments
135	000-255	Green 10 coarse adjustment
136	000-255	Green 10 fine-tuning
137	000-255	Blue 10 coarse adjustment
138	000-255	Blue 10 Fine Adjustments
139	000-255	White 10 coarse adjustment
140	000-255	White 10 Fine Adjustments
141	000-255	Y11 coarse adjustment
142	000-255	Y11 fine-tuning
143	000-255	Enlarge 11
144	000-255	Dimming 11 coarse adjustment
145	000-255	Dimming 11 fine-tuning
146	000-255	Strobe 11
147	000-255	Red 11 coarse adjustment
148	000-255	Red 11 fine-tuning
149	000-255	Green 11 coarse adjustment
150	000-255	Green 11 fine-tuning
151	000-255	Blue 11 coarse adjustment
152	000-255	Blue 11 fine-tuning
153	000-255	White 11 coarse adjustment
154	000-255	White 11 fine-tuning
155	000-255	Y12 coarse adjustment
156	000-255	Y12 fine-tuning
157	000-255	Enlarge 12
158	000-255	Dimming 12 coarse adjustment
159	000-255	Dimming 12 fine-tuning
160	000-255	Strobe 12
161	000-255	Red 12 coarse adjustment
162	000-255	Red 12 fine-tuning
163	000-255	Green 12 coarse adjustment
164	000-255	Green 12 fine-tuning
165	000-255	Blue 12 coarse adjustment
166	000-255	Blue 12 fine-tuning
167	000-255	White 12 coarse adjustment

168	000-255	White 12 Fine Adjustments
169	000-255	function

CH101Channel description：

thoroughfare	channel value	basic function
1	000-255	Y1 coarse adjustment (Y mode direction)
2	000-255	Y1 fine-tuning (Y mode amplitude)
3	000-255	Y2 coarse adjustment
4	000-255	Y2 fine-tuning
5	000-255	Y3 coarse adjustment
6	000-255	Y3 fine-tuning
7	000-255	Y4 coarse adjustment
8	000-255	Y4 fine-tuning
9	000-255	Y5 coarse adjustment
10	000-255	Y5 fine-tuning
11	000-255	Y6 coarse adjustment
12	000-255	Y6 fine-tuning
13	000-255	Y7 coarse adjustment
14	000-255	Y7 fine-tuning
15	000-255	Y8 coarse adjustment
16	000-255	Y8 fine-tuning
17	000-255	Y9 coarse adjustment
18	000-255	Y9 fine-tuning
19	000-255	Y10 coarse adjustment
20	000-255	Y10 fine-tuning
21	000-255	Y11 coarse adjustment
22	000-255	Y11 fine-tuning
23	000-255	Y12 coarse adjustment
24	000-255	Y12 fine-tuning
25	000-255	Y speed (Y effect speed)
26	000-255	Y mode
27	000-255	CTC
28	000-255	Color Macro
29	000-255	pattern
30	000-255	LED built-in effect
31	000-255	LED built-in effect speed
32	000-255	LED built-in effect trailing time
33	000-255	LED background color
34	000-255	LED background color tone light coarse adjustment
35	000-255	Dimming
36	000-255	Strobe light
37	000-255	Enlarge 1
38	000-255	Enlarge 2

39	000-255	Enlarge 3
40	000-255	Enlarge 4
41	000-255	Zoom in 5
42	000-255	Magnify 6
43	000-255	Magnify 7
44	000-255	Enlarge 8
45	000-255	Enlarge 9
46	000-255	Zoom in 10
47	000-255	Enlarge 11
48	000-255	Enlarge 12
49	000-255	function
50	000-255	red
51	000-255	green
52	000-255	blue
53	000-255	white
54	000-255	Red 1
55	000-255	Green 1
56	000-255	Blue 1
57	000-255	White 1
58	000-255	Red 2
59	000-255	Green 2
60	000-255	Blue 2
61	000-255	White 2
62	000-255	Red 3
63	000-255	Green 3
64	000-255	Blue 3
65	000-255	White 3
66	000-255	Red 4
67	000-255	Green 4
68	000-255	Blue 4
69	000-255	White 4
70	000-255	Red 5
71	000-255	Green 5
72	000-255	Blue 5
73	000-255	White 5
74	000-255	Red 6
75	000-255	Green 6
76	000-255	Blue 6
77	000-255	White 6
78	000-255	Red 7
79	000-255	Green 7
80	000-255	Blue 7
81	000-255	White 7
82	000-255	Red 8
83	000-255	Green 8
84	000-255	Blue 8

85	000-255	White 8
86	000-255	Red 9
87	000-255	Green 9
88	000-255	Blue 9
89	000-255	White 9
90	000-255	Red 10
91	000-255	Green 10
92	000-255	Blue 10
93	000-255	White 10
94	000-255	Red 11
95	000-255	Green 11
96	000-255	Blue 11
97	000-255	White 11
98	000-255	Red 12
99	000-255	Green 12
100	000-255	Blue 12
101	000-255	White 12

CH155Channel description：

thoroughfare	channel value	basic function
1	000-255	Y1 coarse adjustment (Y mode direction)
2	000-255	Y1 fine-tuning (Y mode amplitude)
3	000-255	Y2 coarse adjustment
4	000-255	Y2 fine-tuning
5	000-255	Y3 coarse adjustment
6	000-255	Y3 fine-tuning
7	000-255	Y4 coarse adjustment
8	000-255	Y4 fine-tuning
9	000-255	Y5 coarse adjustment
10	000-255	Y5 fine-tuning
11	000-255	Y6 coarse adjustment
12	000-255	Y6 fine-tuning
13	000-255	Y7 coarse adjustment
14	000-255	Y7 fine-tuning
15	000-255	Y8 coarse adjustment
16	000-255	Y8 fine-tuning
17	000-255	Y9 coarse adjustment
18	000-255	Y9 fine-tuning
19	000-255	Y10 coarse adjustment
20	000-255	Y10 fine-tuning
21	000-255	Y11 coarse adjustment
22	000-255	Y11 fine-tuning
23	000-255	Y12 coarse adjustment

24	000-255	Y12 fine-tuning
25	000-255	Y speed (Y mode speed)
26	000-255	Y mode
27	000-255	CTC
28	000-255	Color Macro
29	000-255	pattern
30	000-255	LED built-in effect
31	000-255	LED built-in effect speed
32	000-255	LED built-in effect trailing time
33	000-255	LED background color
34	000-255	LED background color tone light coarse adjustment
35	000-255	LED background color tone light fine-tuning
36	000-255	Dimming coarse adjustment
37	000-255	dimmer fine
38	000-255	Strobe light
39	000-255	Enlarge 1
40	000-255	Enlarge 2
41	000-255	Enlarge 3
42	000-255	Enlarge 4
43	000-255	Zoom in 5
44	000-255	Magnify 6
45	000-255	Magnify 7
46	000-255	Enlarge 8
47	000-255	Enlarge 9
48	000-255	Zoom in 10
49	000-255	Enlarge 11
50	000-255	Enlarge 12
51	000-255	function
52	000-255	Red coarse adjustment
53	000-255	Red fine-tuning
54	000-255	Green coarse adjustment
55	000-255	Green fine-tuning
56	000-255	Blue coarse tone
57	000-255	Blue fine-tuning
58	000-255	White coarse adjustment
59	000-255	White fine-tuning
60	000-255	Red 1 coarse adjustment
61	000-255	Red 1 fine-tuning
62	000-255	Green 1 coarse adjustment
63	000-255	Green 1 fine-tuning
64	000-255	Blue 1 coarse adjustment
65	000-255	Blue 1 fine-tuning
66	000-255	White 1 coarse adjustment
67	000-255	White 1 fine-tuning
68	000-255	Red 2 coarse adjustment
69	000-255	Red 2 fine-tuning

70	000-255	Green 2 coarse adjustment
71	000-255	Green 2 fine-tuning
72	000-255	Blue 2 coarse adjustment
73	000-255	Blue 2 fine-tuning
74	000-255	White 2 coarse adjustment
75	000-255	White 2 fine-tuning
76	000-255	Red 3 coarse adjustment
77	000-255	Red 3 fine-tuning
78	000-255	Green 3 coarse adjustment
79	000-255	Green 3 fine-tuning
80	000-255	Blue 3 coarse adjustment
81	000-255	Blue 3 fine-tuning
82	000-255	White 3 coarse adjustment
83	000-255	White 3 Fine Adjustments
84	000-255	Red 4 coarse adjustment
85	000-255	Red 4 fine-tuning
86	000-255	Green 4 coarse adjustment
87	000-255	Green 4 fine-tuning
88	000-255	Blue 4 coarse adjustment
89	000-255	Blue 4 fine-tuning
90	000-255	White 4 coarse adjustment
91	000-255	White 4 Fine Adjustments
92	000-255	Red 5 coarse adjustment
93	000-255	Red 5 fine-tuning
94	000-255	Green 5 coarse adjustment
95	000-255	Green 5 fine-tuning
96	000-255	Blue 5 coarse adjustment
97	000-255	Blue 5 fine-tuning
98	000-255	White 5 coarse adjustment
99	000-255	White 5 Fine Adjustments
100	000-255	Red 6 coarse adjustment
101	000-255	Red 6 fine-tuning
102	000-255	Green 6 coarse adjustment
103	000-255	Green 6 fine-tuning
104	000-255	Blue 6 coarse adjustment
105	000-255	Blue 6 fine-tuning
106	000-255	White 6 coarse adjustment
107	000-255	White 6 Fine Adjustments
108	000-255	Red 7 coarse adjustment
109	000-255	Red 7 fine-tuning
110	000-255	Green 7 coarse adjustment
111	000-255	Green 7 fine-tuning
112	000-255	Blue 7 coarse adjustment
113	000-255	Blue 7 fine-tuning
114	000-255	White 7 coarse adjustment
115	000-255	White 7 fine-tuning

116	000-255	Red 8 coarse adjustment
117	000-255	Red 8 fine-tuning
118	000-255	Green 8 coarse adjustment
119	000-255	Green 8 fine-tuning
120	000-255	Blue 8 coarse adjustment
121	000-255	Blue 8 fine-tuning
122	000-255	White 8 coarse adjustment
123	000-255	White 8 Fine Adjustments
124	000-255	Red 9 coarse adjustment
125	000-255	Red 9 fine-tuning
126	000-255	Green 9 coarse adjustment
127	000-255	Green 9 fine-tuning
128	000-255	Blue 9 coarse adjustment
129	000-255	Blue 9 fine-tuning
130	000-255	White 9 coarse adjustment
131	000-255	White 9 fine-tuning
132	000-255	Red 10 coarse adjustment
133	000-255	Red 10 Fine Adjustments
134	000-255	Green 10 coarse adjustment
135	000-255	Green 10 fine-tuning
136	000-255	Blue 10 coarse adjustment
137	000-255	Blue 10 Fine Adjustments
138	000-255	White 10 coarse adjustment
139	000-255	White 10 Fine Adjustments
140	000-255	Red 11 coarse adjustment
141	000-255	Red 11 fine-tuning
142	000-255	Green 11 coarse adjustment
143	000-255	Green 11 fine-tuning
144	000-255	Blue 11 coarse adjustment
145	000-255	Blue 11 fine-tuning
146	000-255	White 11 coarse adjustment
147	000-255	White 11 fine-tuning
148	000-255	Red 12 coarse adjustment
149	000-255	Red 12 fine-tuning
150	000-255	Green 12 coarse adjustment
151	000-255	Green 12 fine-tuning
152	000-255	Blue 12 coarse adjustment
153	000-255	Blue 12 fine-tuning
154	000-255	White 12 coarse adjustment
155	000-255	White 12 Fine Adjustments

CH179Channel description：

thoroughfare	**channel value**	**basic function**

1	000-255	Y1 coarse adjustment (Y mode direction)
2	000-255	Y1 fine-tuning (Y mode amplitude)
3	000-255	Y2 coarse adjustment
4	000-255	Y2 fine-tuning
5	000-255	Y3 coarse adjustment
6	000-255	Y3 fine-tuning
7	000-255	Y4 coarse adjustment
8	000-255	Y4 fine-tuning
9	000-255	Y5 coarse adjustment
10	000-255	Y5 fine-tuning
11	000-255	Y6 coarse adjustment
12	000-255	Y6 fine-tuning
13	000-255	Y7 coarse adjustment
14	000-255	Y7 fine-tuning
15	000-255	Y8 coarse adjustment
16	000-255	Y8 fine-tuning
17	000-255	Y9 coarse adjustment
18	000-255	Y9 fine-tuning
19	000-255	Y10 coarse adjustment
20	000-255	Y10 fine-tuning
21	000-255	Y11 coarse adjustment
22	000-255	Y11 fine-tuning
23	000-255	Y12 coarse adjustment
24	000-255	Y12 fine-tuning
25	000-255	Y speed (Y mode speed)
26	000-255	Y mode
27	000-255	CTC
28	000-255	Color Macro
29	000-255	pattern
30	000-255	LED built-in effect
31	000-255	LED built-in effect speed
32	000-255	LED built-in effect trailing time
33	000-255	LED background color
34	000-255	LED background color tone light coarse adjustment
35	000-255	LED background color tone light fine-tuning
36	000-255	Dimming coarse adjustment
37	000-255	dimmer fine
38	000-255	Strobe light
39	000-255	Enlarge 1
40	000-255	Enlarge 2
41	000-255	Enlarge 3
42	000-255	Enlarge 4
43	000-255	Zoom in 5
44	000-255	Magnify 6
45	000-255	Magnify 7
46	000-255	Enlarge 8

47	000-255	Enlarge 9
48	000-255	Zoom in 10
49	000-255	Enlarge 11
50	000-255	Enlarge 12
51	000-255	function
52	000-255	Red coarse adjustment
53	000-255	Red fine-tuning
54	000-255	Green coarse adjustment
55	000-255	Green fine-tuning
56	000-255	Blue coarse tone
57	000-255	Blue fine-tuning
58	000-255	White coarse adjustment
59	000-255	White fine-tuning
60	000-255	Dimming 1 coarse adjustment
61	000-255	Dimming 1 fine-tuning
62	000-255	Red 1 coarse adjustment
63	000-255	Red 1 fine-tuning
64	000-255	Green 1 coarse adjustment
65	000-255	Green 1 fine-tuning
66	000-255	Blue 1 coarse adjustment
67	000-255	Blue 1 fine-tuning
68	000-255	White 1 coarse adjustment
69	000-255	White 1 fine-tuning
70	000-255	Dimming 2 coarse adjustment
71	000-255	Dimming 2 fine-tuning
72	000-255	Red 2 coarse adjustment
73	000-255	Red 2 fine-tuning
74	000-255	Green 2 coarse adjustment
75	000-255	Green 2 fine-tuning
76	000-255	Blue 2 coarse adjustment
77	000-255	Blue 2 fine-tuning
78	000-255	White 2 coarse adjustment
79	000-255	White 2 fine-tuning
80	000-255	Dimming 3 coarse adjustment
81	000-255	Dimming 3 fine-tuning
82	000-255	Red 3 coarse adjustment
83	000-255	Red 3 fine-tuning
84	000-255	Green 3 coarse adjustment
85	000-255	Green 3 fine-tuning
86	000-255	Blue 3 coarse adjustment
87	000-255	Blue 3 fine-tuning
88	000-255	White 3 coarse adjustment
89	000-255	White 3 Fine Adjustments
90	000-255	Dimming 4 coarse adjustment
91	000-255	Dimming 4 fine-tuning
92	000-255	Red 4 coarse adjustment

93	000-255	Red 4 fine-tuning
94	000-255	Green 4 coarse adjustment
95	000-255	Green 4 fine-tuning
96	000-255	Blue 4 coarse adjustment
97	000-255	Blue 4 fine-tuning
98	000-255	White 4 coarse adjustment
99	000-255	White 4 Fine Adjustments
100	000-255	Dimming 5 coarse adjustment
101	000-255	Dimming 5 fine-tuning
102	000-255	Red 5 coarse adjustment
103	000-255	Red 5 fine-tuning
104	000-255	Green 5 coarse adjustment
105	000-255	Green 5 fine-tuning
106	000-255	Blue 5 coarse adjustment
107	000-255	Blue 5 fine-tuning
108	000-255	White 5 coarse adjustment
109	000-255	White 5 Fine Adjustments
110	000-255	Dimming 6 coarse adjustment
111	000-255	Dimming 6 fine-tuning
112	000-255	Red 6 coarse adjustment
113	000-255	Red 6 fine-tuning
114	000-255	Green 6 coarse adjustment
115	000-255	Green 6 fine-tuning
116	000-255	Blue 6 coarse adjustment
117	000-255	Blue 6 fine-tuning
118	000-255	White 6 coarse adjustment
119	000-255	White 6 Fine Adjustments
120	000-255	Dimming 7 coarse adjustment
121	000-255	Dimming 7 fine-tuning
122	000-255	Red 7 coarse adjustment
123	000-255	Red 7 fine-tuning
124	000-255	Green 7 coarse adjustment
125	000-255	Green 7 fine-tuning
126	000-255	Blue 7 coarse adjustment
127	000-255	Blue 7 fine-tuning
128	000-255	White 7 coarse adjustment
129	000-255	White 7 fine-tuning
130	000-255	Dimming 8 coarse adjustment
131	000-255	Dimming 8 fine-tuning
132	000-255	Red 8 coarse adjustment
133	000-255	Red 8 fine-tuning
134	000-255	Green 8 coarse adjustment
135	000-255	Green 8 fine-tuning
136	000-255	Blue 8 coarse adjustment
137	000-255	Blue 8 fine-tuning
138	000-255	White 8 coarse adjustment

139	000-255	White 8 Fine Adjustments
140	000-255	Dimming 9 coarse adjustment
141	000-255	Dimming 9 fine-tuning
142	000-255	Red 9 coarse adjustment
143	000-255	Red 9 fine-tuning
144	000-255	Green 9 coarse adjustment
145	000-255	Green 9 fine-tuning
146	000-255	Blue 9 coarse adjustment
147	000-255	Blue 9 fine-tuning
148	000-255	White 9 coarse adjustment
149	000-255	White 9 fine-tuning
150	000-255	Dimming 10 coarse adjustment
151	000-255	Dimming 10 fine-tuning
152	000-255	Red 10 coarse adjustment
153	000-255	Red 10 Fine Adjustments
154	000-255	Green 10 coarse adjustment
155	000-255	Green 10 fine-tuning
156	000-255	Blue 10 coarse adjustment
157	000-255	Blue 10 Fine Adjustments
158	000-255	White 10 coarse adjustment
159	000-255	White 10 Fine Adjustments
160	000-255	Dimming 11 coarse adjustment
161	000-255	Dimming 11 fine-tuning
162	000-255	Red 11 coarse adjustment
163	000-255	Red 11 fine-tuning
164	000-255	Green 11 coarse adjustment
165	000-255	Green 11 fine-tuning
166	000-255	Blue 11 coarse adjustment
167	000-255	Blue 11 fine-tuning
168	000-255	White 11 coarse adjustment
169	000-255	White 11 fine-tuning
170	000-255	Dimming 12 coarse adjustment
171	000-255	Dimming 12 fine-tuning
172	000-255	Red 12 coarse adjustment
173	000-255	Red 12 fine-tuning
174	000-255	Green 12 coarse adjustment
175	000-255	Green 12 fine-tuning
176	000-255	Blue 12 coarse adjustment
177	000-255	Blue 12 fine-tuning
178	000-255	White 12 coarse adjustment
179	000-255	White 12 Fine Adjustments

5 Technical parameters:
Voltage: AC100~240V 50/60HZ
Power: 12 * 60W (800W)
Lamp beads: 12 four in one 60 watt LED lamp beads
Control mode: DMX512, self-propelled, master-slave, voice control, with RDM function.
Channel: CH20.CH169A.CH169B.CH53.CH101.CH155.CH179
Dimming: 32-bit 0~100% linear dimming
Features: Single swing+staining+beam
Working temperature: -30 ° C~50 ° C
Strobe frequency: 1-30HZ
Appearance: Metal, Black
Connection method: DMX512 input/output/power input/output.
IP rating: IP20
Size: 26.5kg
Weight:110*38*25cm