一、 Display panel and key definition

Menu key: enter/return to the main menu.
Up key: menu function up selection/parameter increment.
Down key: menu function down selection/parameter decreasing.
Enter key: select the menu function, and confirm and save it when the menu function parameters are modified.

二、The menu function

After the machine is powered on and reset, press the menu key to enter the main menu (exit after 30 seconds of no operation in the main menu interface). See the main menu menu (5 main menu options in total) for details. Press the Up or Down key to select the main menu, enter the Enter key to modify the function parameters of each menu, and then press the Enter key to save the current function parameters after modification (with power-off memory after saving).

Primary menu	Submenu	Menu function description
1. System Settings	1. DMX address	Modify the DMX address code up or down (the optional range of address code is 001-512), and press the Enter key to save. The default value is 001.
	2. Encoder	On/off
	3. Y inversion	On/off
	4. Amplification inversion	On/off
	5. No signal	Clear
	5. Voice sensitivity	
	7. Reset	Yes/no
	8. Restore the factory settings	Yes/no
	9. Advanced Settings	
2. Operation mode	1.Operation mode	Select the running mode DMX/ Voice Control/Auto up or down, and press the Enter key to save. The default DMX is selected.
	2.Channel selection	Select the channel CH29.ch62.ch170.ch254.ch308.ch332 up or down to save. The default is ch29.
	3.Y mode amplitude	
3. Manual control	1.Y	Modify the value up or down (adjustable range: 000-255), and press the Enter key to save. The default value is 000.
	2.Y fine-tuning	Modify the value up or down (adjustable range: 000-255), and press the Enter key to save. The default value is 000.
	3.Y speed	Modify the value up or down (adjustable range: 000-255), and press the Enter key to save. The default value is 000.

	4. Y mode	Modify the value up or down (adjustable range: 000-255), and press the Enter key to save. The default value is 000.	
	5.CTO	Modify the value up or down (adjustable range: 000-255), and press the Enter key to save. The default value is 000.	
	6. White CTO	Modify the value up or down (adjustable range: 000-255), and press the Enter key to save. The default value is 000.	
	7.Color macro	Modify the value up or down (adjustable range: 000-255), and press the Enter key to save. The default value is 000.	
	8. Patterns	Modify the value up or down (adjustable range: 000-255), and press the Enter key to save. The default value is 000.	
	9.White light pattern	Modify the value up or down (adjustable range: 000-255), and press the Enter key to save. The default value is 000.	
	10. LED mode	Modify the value up or down (adjustable range: 000-255), and press the Enter key to save. The default value is 000.	
	11. LED speed	Modify the value up or down (adjustable range: 000-255), and press the Enter key to save. The default value is 000.	
	12. LED tail	Modify the value up or down (adjustable range: 000-255), and press the Enter key to save. The default value is 000.	
	13.White light mode	Modify the value up or down (adjustable range: 000-255), and press the Enter key to save. The default value is 000.	
	14.White light speed	Modify the value up or down (adjustable range: 000-255), and press the Enter key to save. The default value is 000.	
	15.White light trailing	Modify the value up or down (adjustable range: 000-255), and press the Enter key to save. The default value is 000.	
	16. Background color	Modify the value up or down (adjustable range: 000-255), and press the Enter key to save. The default value is 000.	
	17.Background color light	Modify the value up or down (adjustable range: 000-255), and press the Enter key to save. The default value is 000.	
	18. Dimming	Modify the value up or down (adjustable range: 000-255), and press the Enter key to save. The default value is 000.	
	19.White light dimming	Modify the value up or down (adjustable range: 000-255), and press the Enter key to save. The default value is 000.	
	20.Stroboscopic	Modify the value up or down (adjustable range: 000-255), and press the Enter key to save. The default value is 000.	
	21.White light flashing.	Modify the value up or down (adjustable range: 000-255), and press the Enter key to save. The default value is 000.	
	22. Zoom in	Modify the value up or down (adjustable range: 000-255), and press the Enter key to save. The default value is 000.	
	23.Function	Modify the value up or down (adjustable range: 000-255), and press the Enter key to save. The default value is 000.	
	24. Red	Modify the value up or down (adjustable range: 000-255), and press the Enter key to save. The default value is 000.	
	25. Green	Modify the value up or down (adjustable range: 000-255), and press the Enter key to save. The default value is 000.	
	26.Blue	Modify the value up or down (adjustable range: 000-255), and press the Enter key to save. The default value is 000.	
	27.White	Modify the value up or down (adjustable range: 000-255), and press the Enter key to save. The default value is 000.	
	28.Cold white dimming	Modify the value up or down (adjustable range: 000-255), and press the Enter key to save. The default value is 000.	
	29.Warm white dimming	Modify the value up or down (adjustable range: 000-255), and press the Enter key to save. The default value is 000.	
4. Display settings	1. Language choice	Select Chinese /EN (English) up or down, and press the Enter key to save. The default is Chinese.	
	2. Inverted display settings	Select up or down to turn off/on the reverse display setting, and press the Enter key to save, which is turned off by default.	
	3. Screen protection	Select Close/Open Screen Saver up or down, and confirm to save, which is turned on by default.	
	4. Software version	05TB program identification code, which cannot be modified.	
5. Factory Settings	Please enter the password for display! Change it to 138 up or	1. Y1 axis calibration	Modify the parameter up or down (range 000-255), and confirm to save it. The default value is 128.
		2. F1 axis calibration	Modify the parameter up or down (range 000-255), and confirm to save it. The default value is 128.
		3. Y2 axis	Modify the parameter up or down (range 000-255), and confirm to save

down, and then press the Enter key to enter the factory settings.	calibration	it. The default value is 128.
	4. F2 axis calibration	Modify the parameter up or down (range 000-255), and confirm to save it. The default value is 128.
	5.Y3 axis calibration	Modify the parameter up or down (range 000-255), and confirm to save it. The default value is 128.
	6. F3 axis calibration	Modify the parameter up or down (range 000-255), and confirm to save it. The default value is 128.
	7. Y4 axis calibration	Modify the parameter up or down (range 000-255), and confirm to save it. The default value is 128.
	8. F4 axis calibration	Modify the parameter up or down (range 000-255), and confirm to save it. The default value is 128.
	9. Y5 axis calibration	Modify the parameter up or down (range 000-255), and confirm to save it. The default value is 128.
	10. F5 axis calibration	Modify the parameter up or down (range 000-255), and confirm to save it. The default value is 128.
	11. Y6 axis calibration	Modify the parameter up or down (range 000-255), and confirm to save it. The default value is 128.
	12. F6 axis calibration	Modify the parameter up or down (range 000-255), and confirm to save it. The default value is 128.
	13. Y7 axis calibration	Modify the parameter up or down (range 000-255), and confirm to save it. The default value is 128.
	14. F7 axis calibration	Modify the parameter up or down (range 000-255), and confirm to save it. The default value is 128.
	15. Y8 axis calibration	Modify the parameter up or down (range 000-255), and confirm to save it. The default value is 128.
	16. F8 axis calibration	Modify the parameter up or down (range 000-255), and confirm to save it. The default value is 128.
	17.Y9 axis calibration	Modify the parameter up or down (range 000-255), and confirm to save it. The default value is 128.
	18. F9 axis calibration	Modify the parameter up or down (range 000-255), and confirm to save it. The default value is 128.
	19. Y10 axis calibration	Modify the parameter up or down (range 000-255), and confirm to save it. The default value is 128.
	20. F10 axis calibration	Modify the parameter up or down (range 000-255), and confirm to save it. The default value is 128.
	21.Y11 axis calibration	Modify the parameter up or down (range 000-255), and confirm to save it. The default value is 128.
	22. F11 axis calibration	Modify the parameter up or down (range 000-255), and confirm to save it. The default value is 128.
	23.Y12 axis calibration	Modify the parameter up or down (range 000-255), and confirm to save it. The default value is 128.
	24. F12 axis calibration	Modify the parameter up or down (range 000-255), and confirm to save it. The default value is 128.
	25. Y stroke	Modify the parameter up or down (range 000-255), and confirm to save it. The default value is 128.
	26. Focusing stroke	Modify the parameter up or down (range 000-255), and confirm to save it. The default value is 128.
	27. Red 1	Modify the parameters up or down (range 000-255), and press the Enter key to save; the default value is 252.
	28. Green 1	Modify the parameters up or down (range 000-255), and press the Enter key to save; the default value is 252.
	29. Blue 1	Modify the parameters up or down (range 000-255), and press the Enter key to save; the default value is 252.
	30. White 1	Modify the parameters up or down (range 000-255), and press the Enter key to save; the default value is 252.
	31. Red 2	Modify the parameters up or down (range 000-255), and press the Enter key to save; the default value is 252.
	32. Green 2	Modify the parameters up or down (range 000-255), and press the Enter key to save; the default value is 252.
	33. Blue 2	Modify the parameters up or down (range 000-255), and press the Enter key to save; the default value is 252.
	34. White 2	Modify the parameters up or down (range 000-255), and press the Enter key to save; the default value is 252.
	35. Red 3	Modify the parameters up or down (range 000-255), and press the Enter key to save; the default value is 252.

		36. Green 3	Modify the parameters up or down (range 000-255), and press the Enter key to save; the default value is 252.
		37. Blue 3	Modify the parameters up or down (range 000-255), and press the Enter key to save; the default value is 252.
		38. White 3	Modify the parameters up or down (range 000-255), and press the Enter key to save; the default value is 252.
		39. Red 4	Modify the parameters up or down (range 000-255), and press the Enter key to save; the default value is 252.
		40. Green 4	Modify the parameters up or down (range 000-255), and press the Enter key to save; the default value is 252.
		41.Blue 4	Modify the parameters up or down (range 000-255), and press the Enter key to save; the default value is 252.
		42.White 4	Modify the parameters up or down (range 000-255), and press the Enter key to save; the default value is 252.
		43.Red 5	Modify the parameters up or down (range 000-255), and press the Enter key to save; the default value is 252.
		44. Green 5	Modify the parameters up or down (range 000-255), and press the Enter key to save; the default value is 252.
		45.Blue 5	Modify the parameters up or down (range 000-255), and press the Enter key to save; the default value is 252.
		46.White 5	Modify the parameters up or down (range 000-255), and press the Enter key to save; the default value is 252.
		47. Red 6	Modify the parameter up or down (range 000-255), and press the Enter key to save. The default value is 000.
		48. Green 6	Modify the parameter up or down (range 000-255), and press the Enter key to save. The default value is 000.
		49. Blue 6	Modify the parameter up or down (range 000-255), and press the Enter key to save. The default value is 000.
		50.White 6	Modify the parameter up or down (range 000-255), and press the Enter key to save. The default value is 000.
		51. Red 7	Modify the parameter up or down (range 000-255), and press the Enter key to save. The default value is 000.
		52. Green 7	Modify the parameter up or down (range 000-255), and press the Enter key to save. The default value is 000.
		53. Blue 7	Modify the parameter up or down (range 000-255), and press the Enter key to save. The default value is 000.
		54. White 7	Modify the parameter up or down (range 000-255), and press the Enter key to save. The default value is 000.
		55. Red 8	Modify the parameter up or down (range 000-255), and press the Enter key to save. The default value is 000.
		56. Green 8	Modify the parameter up or down (range 000-255), and press the Enter key to save. The default value is 000.
		57.Blue 8	Modify the parameter up or down (range 000-255), and press the Enter key to save. The default value is 000.
		58.White 8	Modify the parameter up or down (range 000-255), and press the Enter key to save. The default value is 000.
		59. Red 9	Modify the parameter up or down (range 000-255), and press the Enter key to save. The default value is 000.
		60. Green 9	Modify the parameter up or down (range 000-255), and press the Enter key to save. The default value is 000.
		61. Blue 9	Modify the parameter up or down (range 000-255), and press the Enter key to save. The default value is 000.
		62. White 9	Modify the parameter up or down (range 000-255), and press the Enter key to save. The default value is 000.
		63. Red 10	Modify the parameter up or down (range 000-255), and press the Enter key to save. The default value is 000.
		64. Green 10	Modify the parameter up or down (range 000-255), and press the Enter key to save. The default value is 000.
		65. Blue 10	Modify the parameter up or down (range 000-255), and press the Enter key to save. The default value is 000.
		66. White 10	Modify the parameter up or down (range 000-255), and press the Enter key to save. The default value is 000.
		67. Red 11	Modify the parameter up or down (range 000-255), and press the Enter key to save. The default value is 000.
		68. Green 11	Modify the parameter up or down (range 000-255), and press the Enter

			key to save. The default value is 000.
		69. Blue 11	Modify the parameter up or down (range 000-255), and press the Enter key to save. The default value is 000.
		70. White 11	Modify the parameter up or down (range 000-255), and press the Enter key to save. The default value is 000.
		71. Red 12	Modify the parameter up or down (range 000-255), and press the Enter key to save. The default value is 000.
		72. Green 12	Modify the parameter up or down (range 000-255), and press the Enter key to save. The default value is 000.
		73. Blue 12	Modify the parameter up or down (range 000-255), and press the Enter key to save. The default value is 000.
		74. White 12	Modify the parameter up or down (range 000-255), and press the Enter key to save. The default value is 000.
		75. LEDYF direction	Modify the parameter up or down (range 000-255), and press the Enter key to save. The default value is 000.
		76. Current	Modify the parameter up or down (range 000-255), and press the Enter key to save. The default value is 200.
		77. Logo	Select 000 /001 up or down, and confirm to save. The default value is 000.
		78. Temperature	Modify the temperature parameter (range 40-70) up or down, and press OK to save. The default value is 050.
		79. Temperature-fan	Off/Normal/Quiet
		80. LED	LEDA/LEDB
		81.Color mixing mode	
		82. PWM frequency	
		83. Dimming curve	Linear /Squared/inverse squared/s curve
		84. Dimming mode	Fast/smooth
		85. Turn off the light during exercise	Linear /Squared/inverse squared/s curve
		86. Time reset	Yes/no

三、 Master-slave control

There are two or more identical lamps connected by DMX three-core signal lines, all lamps are modified to any address code of 001~512, and any one is set as the master, while other lamps are slaves, and all slave displays do not flicker; When the master adjusts the effects of gradual change, pulse change, jump, voice control and self-walking, all slaves synchronize the effects of gradual change, pulse change, jump, voice control and self-walking.

Special attention: 1. Only one host can be set for a group of lamps. If there are multiple hosts, all lamps will flash without synchronization.

2. All lamps and lanterns must be used when the DMX512 console is closed.

四、 DMX512 control

Address codes of all lamps and lanterns are set, and all lamps and lanterns are connected to the DMX512 console in parallel with DMX three-core signal lines. The address code stops flashing, indicating that the DMX512 console signal has been sent to the lamps and lanterns. According to the channel description, the DMX512 console is used to control related functions.

Note: The Y mode amplitude of the upgrade menu of Avalokitesvara V12 is 0. Use Y fine-tuning to control the Y mode amplitude as before.

Y mode amplitude is 1-255. Function channel 205-255 controls Y mode amplitude. Function

channel 0-204 controls Y mode amplitude with Y mode amplitude set in the menu.

CH29 Channel Description: (2 values for main light and 1 effect, 8 values for auxiliary light and 1 effect for motor)

Passage	Channel value	Fundamental function
1	000-255	Y coarse adjustment (Y mode direction)
2	000-255	Y fine-tuning the whole (Y mode amplitude)
3	000-255	Y speed
4	000-255	Y mode
5	000-255	CTC
6	000-255	White light CTC
7	000-255	Color macro
8	000-255	Pattern
9	000-255	White light pattern
10	000-255	LED built-in effect
11	000-255	LED built-in effect speed
12	000-255	Trailing time of LED built-in effect
13	000-255	White light built-in effect
14	000-255	White light built-in effect speed
15	000-255	White light built-in effect trailing time
16	000-255	LED background color
17	000-255	LED background tone light
18	000-255	Total dimming
19	000-255	White light total dimming
20	000-255	Stroboscopic
21	000-255	White light stroboscopic
22	000-255	Enlarge the whole
23	000-255	Function
24	000-255	Red (effect color selection)
25	000-255	Green (effect color selection)
26	000-255	Blue (effect color selection)
27	000-255	White (effect color selection)
28	000-255	Cold white total dimming
29	000-255	Warm white total dimming

Description of CH62 channel: (2 values for main light and 1 effect, 8 values for auxiliary light and 1 effect for motor)

Passage	Channel value	Fundamental function
1	000-255	Y1 coarse tuning (Y mode direction)
2	000-255	Y1 fine tuning
3	000-255	Y2 coarse adjustment (Y mode amplitude)
4	000-255	Y2 fine tuning
5	000-255	Y3 coarse tuning
6	000-255	Y3 fine tuning
7	000-255	Y4 coarse tuning
8	000-255	Y4 fine tuning
9	000-255	Y5 coarse tuning

10	000-255	Y5 fine tuning
11	000-255	Y6 coarse tuning
12	000-255	Y6 fine tuning
13	000-255	Y7 coarse tuning
14	000-255	Y7 fine tuning
15	000-255	Y8 coarse tuning
16	000-255	Y8 fine tuning
17	000-255	Y9 coarse tune
18	000-255	Y9 fine tuning
19	000-255	Y10 coarse tuning
20	000-255	Y10 fine tuning
21	000-255	Y11 coarse tuning
22	000-255	Y11 fine tuning
23	000-255	Y12 coarse tuning
24	000-255	Y12 fine tuning
25	000-255	Y speed
26	000-255	Y mode
27	000-255	CTC
28	000-255	White light CTC
29	000-255	Color macro
30	000-255	Pattern
31	000-255	White light pattern
32	000-255	LED built-in effect
33	000-255	LED built-in effect speed
34	000-255	Trailing time of LED built-in effect
35	000-255	White light built-in effect
36	000-255	White light built-in effect speed
37	000-255	White light built-in effect trailing time
38	000-255	LED background color
39	000-255	LED background tone light coarse adjustment
40	000-255	Total dimming
41	000-255	White light total dimming
42	000-255	Stroboscopic
43	000-255	White light stroboscopic
44	000-255	Enlarge 1
45	000-255	Enlarge 2
46	000-255	Enlarge 3
47	000-255	Enlarge 4
48	000-255	Enlarge 5
49	000-255	Enlarge 6
50	000-255	Enlarge 7
51	000-255	Enlarge 8
52	000-255	Enlarge 9
53	000-255	Enlarge by 10
54	000-255	Enlarge 11
55	000-255	Enlarge 12

56	000-255	Function
57	000-255	Red (effect color selection)
58	000-255	Green (effect color selection)
59	000-255	Blue (effect color selection)
60	000-255	White (effect color selection)
61	000-255	Cold white total dimming
62	000-255	Warm white total dimming

Description of CH170 channel: (2 values for main light and 1 effect, 8 values for auxiliary light and 1 effect for motor)

Passage	Channel value	Fundamental function
1	000-255	Total dimming
2	000-255	Total dimming and fine tuning
3	000-255	Stroboscopic
4	000-255	White light stroboscopic
5	000-255	CTC
6	000-255	Pattern
7	000-255	White light pattern
8	000-255	Color macro
9	000-255	White light built-in effect
10	000-255	White light built-in effect speed
11	000-255	White light built-in effect trailing time
12	000-255	Function
13	000-255	Y1 coarse tuning (Y mode direction)
14	000-255	Y1 fine tuning
15	000-255	Enlarge 1
16	000-255	Red 1 coarse tone
17	000-255	Red 1 fine tuning
18	000-255	Green 1 coarse tune
19	000-255	Green 1 fine tuning
20	000-255	Blue 1 coarse tune
21	000-255	Blue 1 fine tuning
22	000-255	White 1 coarse tone
23	000-255	White 1 fine tuning
24	000-255	Cold white 1-2-3-70-71-72
25	000-255	Warm white 1-2-3-70-71-72
26	000-255	Y2 coarse adjustment (Y mode amplitude)
27	000-255	Y2 fine tuning
28	000-255	Enlarge 2
29	000-255	Red 2 coarse tone
30	000-255	Red 2 fine tuning
31	000-255	Green 2 coarse tune
32	000-255	Green 2 fine tuning
33	000-255	Blue 2 coarse tone
34	000-255	Blue 2 fine tuning
35	000-255	White 2 coarse tone

36	000-255	White 2 fine tuning
37	000-255	Cold white 4-5-6-67-68-69
38	000-255	Warm white 4-5-6-67-68-69
39	000-255	Y3 coarse tuning
40	000-255	Y3 fine tuning
41	000-255	Enlarge 3
42	000-255	Red 3 coarse tone
43	000-255	Red 3 fine tuning
44	000-255	Green 3 coarse tune
45	000-255	Green 3 fine tuning
46	000-255	Blue 3 coarse tune
47	000-255	Blue 3 fine tuning
48	000-255	White 3 coarse tone
49	000-255	White 3 fine tuning
50	000-255	Cold white 7-8-9-64-65-66
51	000-255	Warm white 7-8-9-64-65-66
52	000-255	Y4 coarse tuning
53	000-255	Y4 fine tuning
54	000-255	Enlarge 4
55	000-255	Red 4 coarse tone
56	000-255	Red 4 fine tuning
57	000-255	Green 4 coarse tune
58	000-255	Green 4 fine tuning
59	000-255	Blue 4 coarse tone
60	000-255	Blue 4 fine tuning
61	000-255	White 4 coarse tones
62	000-255	White 4 fine tuning
63	000-255	Cold white 10-11-12-61-62-63
64	000-255	Warm white 10-11-12-61-62-63
65	000-255	Y5 coarse tuning
66	000-255	Y5 fine tuning
67	000-255	Enlarge 5
68	000-255	Red 5 coarse tone
69	000-255	Red 5 fine tuning
70	000-255	Green 5 coarse tune
71	000-255	Green 5 fine tuning
72	000-255	Blue 5 coarse tune
73	000-255	Blue 5 fine tuning
74	000-255	White 5 coarse tone
75	000-255	White 5 fine tuning
76	000-255	Cold white 13-14-15-58-59-60
77	000-255	Warm white 13-14-15-58-59-60
78	000-255	Y6 coarse tuning
79	000-255	Y6 fine tuning
80	000-255	Enlarge 6
81	000-255	Red 6 coarse tone

82	000-255	Red 6 fine tuning
83	000-255	Green 6 coarse tune
84	000-255	Green 6 fine tuning
85	000-255	Blue 6 coarse tune
86	000-255	Blue 6 fine tuning
87	000-255	White 6 coarse tones
88	000-255	White 6 fine tuning
89	000-255	Cold white 16-17-18-55-56-57
90	000-255	Warm white 16-17-18-55-56-57
91	000-255	Y7 coarse tuning
92	000-255	Y7 fine tuning
93	000-255	Enlarge 7
94	000-255	Red 7 coarse tune
95	000-255	Red 7 fine tuning
96	000-255	Green 7 coarse tune
97	000-255	Green 7 fine tuning
98	000-255	Blue 7 coarse tune
99	000-255	Blue 7 fine tuning
100	000-255	White 7 coarse tone
101	000-255	White 7 fine tuning
102	000-255	Cold white 19-20-21-52-53-54
103	000-255	Warm white 19-20-21-52-53-54
104	000-255	Y8 coarse tuning
105	000-255	Y8 fine tuning
106	000-255	Enlarge 8
107	000-255	Red 8 coarse tone
108	000-255	Red 8 fine tuning
109	000-255	Green 8 coarse tune
110	000-255	Green 8 fine tuning
111	000-255	Blue 8 coarse tune
112	000-255	Blue 8 fine tuning
113	000-255	White 8 coarse tone
114	000-255	White 8 fine tuning
115	000-255	Cold white 22-23-24-49-50-51
116	000-255	Warm white 22-23-24-49-50-51
117	000-255	Y9 coarse tune
118	000-255	Y9 fine tuning
119	000-255	Enlarge 9
120	000-255	Red 9 coarse tune
121	000-255	Red 9 fine tuning
122	000-255	Green 9 coarse tune
123	000-255	Green 9 fine tuning
124	000-255	Blue 9 coarse tune
125	000-255	Blue 9 fine tuning
126	000-255	White 9 coarse tone
127	000-255	White 9 fine tuning

128	000-255	Cold white 25-26-27-46-47-48
129	000-255	Warm white 25-26-27-46-47-48
130	000-255	Y10 coarse tuning
131	000-255	Y10 fine tuning
132	000-255	Enlarge by 10
133	000-255	Red 10 coarse tone
134	000-255	Red 10 fine tuning
135	000-255	Green 10 coarse tune
136	000-255	Green 10 fine tuning
137	000-255	Blue 10 coarse tune
138	000-255	Blue 10 fine tuning
139	000-255	White 10 coarse tone
140	000-255	White 10 fine tuning
141	000-255	Cold white 28-29-30-43-44-45
142	000-255	Warm white 28-29-30-43-44-45
143	000-255	Y11 coarse tuning
144	000-255	Y11 fine tuning
145	000-255	Enlarge 11
146	000-255	Red 11 coarse tune
147	000-255	Red 11 fine tuning
148	000-255	Green 11 coarse tune
149	000-255	Green 11 fine tuning
150	000-255	Blue 11 coarse tune
151	000-255	Blue 11 fine tuning
152	000-255	White 11 coarse tone
153	000-255	White 11 fine tuning
154	000-255	Cold white 31-32-33-40-41-42
155	000-255	Warm white 31-32-33-40-41-42
156	000-255	Y12 coarse tuning
157	000-255	Y12 fine tuning
158	000-255	Enlarge 12
159	000-255	Red 12 coarse tone
160	000-255	Red 12 fine tuning
161	000-255	Green 12 coarse tune
162	000-255	Green 12 fine tuning
163	000-255	Blue 12 coarse tune
164	000-255	Blue 12 fine tuning
165	000-255	White 12 coarse tone
166	000-255	White 12 fine tuning
167	000-255	Cold white 34-35-36-37-38-39
168	000-255	Warm white 34-35-36-37-38-39
169	000-255	Cold white total dimming
170	000-255	Warm white total dimming

CH254 channel description: (2 values for main light and 1 effect, 8 values for auxiliary light and 1 effect for motor)

Passage	Channel value	Fundamental function
1	000-255	Y1 coarse tuning (Y mode direction)
2	000-255	Y1 fine tuning
3	000-255	Y2 coarse adjustment (Y mode amplitude)
4	000-255	Y2 fine tuning
5	000-255	Y3 coarse tuning
6	000-255	Y3 fine tuning
7	000-255	Y4 coarse tuning
8	000-255	Y4 fine tuning
9	000-255	Y5 coarse tuning
10	000-255	Y5 fine tuning
11	000-255	Y6 coarse tuning
12	000-255	Y6 fine tuning
13	000-255	Y7 coarse tuning
14	000-255	Y7 fine tuning
15	000-255	Y8 coarse tuning
16	000-255	Y8 fine tuning
17	000-255	Y9 coarse tune
18	000-255	Y9 fine tuning
19	000-255	Y10 coarse tuning
20	000-255	Y10 fine tuning
21	000-255	Y11 coarse tuning
22	000-255	Y11 fine tuning
23	000-255	Y12 coarse tuning
24	000-255	Y12 fine tuning
25	000-255	Y speed
26	000-255	Y mode
27	000-255	CTC
28	000-255	White light CTC
29	000-255	Color macro
30	000-255	Pattern
31	000-255	White light pattern
32	000-255	LED built-in effect
33	000-255	LED built-in effect speed
34	000-255	Trailing time of LED built-in effect
35	000-255	White light built-in effect
36	000-255	White light built-in effect speed
37	000-255	White light built-in effect trailing time
38	000-255	LED background color
39	000-255	LED background tone light coarse adjustment
40	000-255	Total dimming
41	000-255	White light total dimming
42	000-255	Stroboscopic
43	000-255	White light stroboscopic
44	000-255	Enlarge 1
45	000-255	Enlarge 2

46	000-255	Enlarge 3
47	000-255	Enlarge 4
48	000-255	Enlarge 5
49	000-255	Enlarge 6
50	000-255	Enlarge 7
51	000-255	Enlarge 8
52	000-255	Enlarge 9
53	000-255	Enlarge by 10
54	000-255	Enlarge 11
55	000-255	Enlarge 12
56	000-255	Function
57	000-255	Red (effect color selection)
58	000-255	Green (effect color selection)
59	000-255	Blue (effect color selection)
60	000-255	White (effect color selection)
61	000-255	Cold white total dimming
62	000-255	Warm white total dimming
63	000-255	Red 1
64	000-255	Green 1
65	000-255	Blue 1
66	000-255	White 1
67	000-255	Red 2
68	000-255	Green 2
69	000-255	Blue 2
70	000-255	White 2
71	000-255	Red 3
72	000-255	Green 3
73	000-255	Blue 3
74	000-255	White 3
75	000-255	Red 4
76	000-255	Green 4
77	000-255	Blue 4
78	000-255	White 4
79	000-255	Red 5
80	000-255	Green 5
81	000-255	Blue 5
82	000-255	White 5
83	000-255	Red 6
84	000-255	Green 6
85	000-255	Blue 6
86	000-255	White 6
87	000-255	Red 7
88	000-255	Green 7
89	000-255	Blue 7
90	000-255	White 7
91	000-255	Red 8

92	000-255	Green 8
93	000-255	Blue 8
94	000-255	White 8
95	000-255	Red 9
96	000-255	Green 9
97	000-255	Blue 9
98	000-255	White 9
99	000-255	Red 10
100	000-255	Green 10
101	000-255	Blue 10
102	000-255	White 10
103	000-255	Red 11
104	000-255	Green 11
105	000-255	Blue 11
106	000-255	White 11
107	000-255	Red 12
108	000-255	Green 12
109	000-255	Blue 12
110	000-255	White 12
111	000-255	Cold white 1
112	000-255	Warm white 1
113	000-255	Cold white 2
114	000-255	Warm white 2
115	000-255	Cold white 3
116	000-255	Warm white 3
117	000-255	Cold white 4
118	000-255	Warm white 4
119	000-255	Cold white 5
120	000-255	Warm white 5
121	000-255	Cold white 6
122	000-255	Warm white 6
123	000-255	Cold white 7
124	000-255	Warm white 7
125	000-255	Cold white 8
126	000-255	Warm white 8
127	000-255	Cold white 9
128	000-255	Warm white 9
129	000-255	Cold white 10
130	000-255	Warm white 10
131	000-255	Cold white 11
132	000-255	Warm white 11
133	000-255	Cold white 12
134	000-255	Warm white 12
135	000-255	Cold white 13
136	000-255	Warm white 13
137	000-255	Cold white 14

138	000-255	Warm white 14
139	000-255	Cold white 15
140	000-255	Warm white 15
141	000-255	Cold white 16
142	000-255	Warm white 16
143	000-255	Cold white 17
144	000-255	Warm white 17
145	000-255	Cold white 18
146	000-255	Warm white 18
147	000-255	Cold white 19
148	000-255	Warm white 19
149	000-255	Cold white 20
150	000-255	Warm white 20
151	000-255	Cold white 21
152	000-255	Warm white 21
153	000-255	Cold white 22
154	000-255	Warm white 22
155	000-255	Cold white 23
156	000-255	Warm white 23
157	000-255	Cold white 24
158	000-255	Warm white 24
159	000-255	Cold white 25
160	000-255	Warm white 25
161	000-255	Cold white 26
162	000-255	Warm white 26
163	000-255	Cold white 27
164	000-255	Warm white 27
165	000-255	Cold white 28
166	000-255	Warm white 28
167	000-255	Cold white 29
168	000-255	Warm white 29
169	000-255	Cold white 30
170	000-255	Warm white 30
171	000-255	Cold white 31
172	000-255	Warm white 31
173	000-255	Cold white 32
174	000-255	Warm white 32
175	000-255	Cold white 33
176	000-255	Warm white 33
177	000-255	Cold white 34
178	000-255	Warm white 34
179	000-255	Cold white 35
180	000-255	Warm white 35
181	000-255	Cold white 36
182	000-255	Warm white 36
183	000-255	Cold white 37

184	000-255	Warm white 37
185	000-255	Cold white 38
186	000-255	Warm white 38
187	000-255	Cold white 39
188	000-255	Warm white 39
189	000-255	Cold white 40
190	000-255	Warm white 40
191	000-255	Cold white 41
192	000-255	Warm white 41
193	000-255	Cold white 42
194	000-255	Warm white 42
195	000-255	Cold white 43
196	000-255	Warm white 43
197	000-255	Cold white 44
198	000-255	Warm white 44
199	000-255	Cold white 45
200	000-255	Warm white 45
201	000-255	Cold white 46
202	000-255	Warm white 46
203	000-255	Cold white 47
204	000-255	Warm white 47
205	000-255	Cold white 48
206	000-255	Warm white 48
207	000-255	Cold white 49
208	000-255	Warm white 49
209	000-255	Cold white 50
210	000-255	Warm white 50
211	000-255	Cold white 51
212	000-255	Warm white 51
213	000-255	Cold white 52
214	000-255	Warm white 52
215	000-255	Cold white 53
216	000-255	Warm white 53
217	000-255	Cold white 54
218	000-255	Warm white 54
219	000-255	Cold white 55
220	000-255	Warm white 55
221	000-255	Cold white 56
222	000-255	Warm white 56
223	000-255	Cold white 57
224	000-255	Warm white 57
225	000-255	Cold white 58
226	000-255	Warm white 58
227	000-255	Cold white 59
228	000-255	Warm white 59
229	000-255	Cold white 60

230	000-255	Warm white 60
231	000-255	Cold white 61
232	000-255	Warm white 61
233	000-255	Cold white 62
234	000-255	Warm white 62
235	000-255	Cold white 63
236	000-255	Warm white 63
237	000-255	Cold white 64
238	000-255	Warm white 64
239	000-255	Cold white 65
240	000-255	Warm white 65
241	000-255	Cold white 66
242	000-255	Warm white 66
243	000-255	Cold white 67
244	000-255	Warm white 67
245	000-255	Cold white 68
246	000-255	Warm white 68
247	000-255	Cold white 69
248	000-255	Warm white 69
249	000-255	Cold white 70
250	000-255	Warm white 70
251	000-255	Cold white 71
252	000-255	Warm white 71
253	000-255	Cold white 72
254	000-255	Warm white 72

Description of CH308 channel: (2 values for main light and 1 effect, 8 values for auxiliary light and 1 effect for motor)

Passage	Channel value	Fundamental function
1	000-255	Y1 coarse tuning (Y mode direction)
2	000-255	Y1 fine tuning
3	000-255	Y2 coarse adjustment (Y mode amplitude)
4	000-255	Y2 fine tuning
5	000-255	Y3 coarse tuning
6	000-255	Y3 fine tuning
7	000-255	Y4 coarse tuning
8	000-255	Y4 fine tuning
9	000-255	Y5 coarse tuning
10	000-255	Y5 fine tuning
11	000-255	Y6 coarse tuning
12	000-255	Y6 fine tuning
13	000-255	Y7 coarse tuning
14	000-255	Y7 fine tuning
15	000-255	Y8 coarse tuning
16	000-255	Y8 fine tuning
17	000-255	Y9 coarse tune

18	000-255	Y9 fine tuning
19	000-255	Y10 coarse tuning
20	000-255	Y10 fine tuning
21	000-255	Y11 coarse tuning
22	000-255	Y11 fine tuning
23	000-255	Y12 coarse tuning
24	000-255	Y12 fine tuning
25	000-255	Y speed
26	000-255	Y mode
27	000-255	CTC
28	000-255	White light CTC
29	000-255	Color macro
30	000-255	Pattern
31	000-255	White light pattern
32	000-255	LED built-in effect
33	000-255	LED built-in effect speed
34	000-255	Trailing time of LED built-in effect
35	000-255	White light built-in effect
36	000-255	White light built-in effect speed
37	000-255	White light built-in effect trailing time
38	000-255	LED background color
39	000-255	LED background tone light coarse adjustment
40	000-255	Light fine-tuning of LED background tone
41	000-255	Total dimming
42	000-255	Total dimming and fine tuning
43	000-255	White light total dimming
44	000-255	Stroboscopic
45	000-255	White light stroboscopic
46	000-255	Enlarge 1
47	000-255	Enlarge 2
48	000-255	Enlarge 3
49	000-255	Enlarge 4
50	000-255	Enlarge 5
51	000-255	Enlarge 6
52	000-255	Enlarge 7
53	000-255	Enlarge 8
54	000-255	Enlarge 9
55	000-255	Enlarge by 10
56	000-255	Enlarge 11
57	000-255	Enlarge 12
58	000-255	Function
59	000-255	Red (effect color selection)
60	000-255	Red Fine-tuning (effect color selection)
61	000-255	Green (effect color selection)
62	000-255	Green Fine-tuning (effect color selection)
63	000-255	Blue (effect color selection)

64	000-255	Blue Fine-tuning (effect color selection)
65	000-255	White (effect color selection)
66	000-255	White fine tuning (effect color selection)
67	000-255	Cold white total dimming
68	000-255	Warm white total dimming
69	000-255	Red 1 coarse tone
70	000-255	Red 1 fine tuning
71	000-255	Green 1 coarse tune
72	000-255	Green 1 fine tuning
73	000-255	Blue 1 coarse tune
74	000-255	Blue 1 fine tuning
75	000-255	White 1 coarse tone
76	000-255	White 1 fine tuning
77	000-255	Red 2 coarse tone
78	000-255	Red 2 fine tuning
79	000-255	Green 2 coarse tune
80	000-255	Green 2 fine tuning
81	000-255	Blue 2 coarse tone
82	000-255	Blue 2 fine tuning
83	000-255	White 2 coarse tone
84	000-255	White 2 fine tuning
85	000-255	Red 3 coarse tone
86	000-255	Red 3 fine tuning
87	000-255	Green 3 coarse tune
88	000-255	Green 3 fine tuning
89	000-255	Blue 3 coarse tune
90	000-255	Blue 3 fine tuning
91	000-255	White 3 coarse tone
92	000-255	White 3 fine tuning
93	000-255	Red 4 coarse tone
94	000-255	Red 4 fine tuning
95	000-255	Green 4 coarse tune
96	000-255	Green 4 fine tuning
97	000-255	Blue 4 coarse tone
98	000-255	Blue 4 fine tuning
99	000-255	White 4 coarse tones
100	000-255	White 4 fine tuning
101	000-255	Red 5 coarse tone
102	000-255	Red 5 fine tuning
103	000-255	Green 5 coarse tune
104	000-255	Green 5 fine tuning
105	000-255	Blue 5 coarse tune
106	000-255	Blue 5 fine tuning
107	000-255	White 5 coarse tone
108	000-255	White 5 fine tuning
109	000-255	Red 6 coarse tone

110	000-255	Red 6 fine tuning
111	000-255	Green 6 coarse tune
112	000-255	Green 6 fine tuning
113	000-255	Blue 6 coarse tune
114	000-255	Blue 6 fine tuning
115	000-255	White 6 coarse tones
116	000-255	White 6 fine tuning
117	000-255	Red 7 coarse tune
118	000-255	Red 7 fine tuning
119	000-255	Green 7 coarse tune
120	000-255	Green 7 fine tuning
121	000-255	Blue 7 coarse tune
122	000-255	Blue 7 fine tuning
123	000-255	White 7 coarse tone
124	000-255	White 7 fine tuning
125	000-255	Red 8 coarse tone
126	000-255	Red 8 fine tuning
127	000-255	Green 8 coarse tune
128	000-255	Green 8 fine tuning
129	000-255	Blue 8 coarse tune
130	000-255	Blue 8 fine tuning
131	000-255	White 8 coarse tone
132	000-255	White 8 fine tuning
133	000-255	Red 9 coarse tune
134	000-255	Red 9 fine tuning
135	000-255	Green 9 coarse tune
136	000-255	Green 9 fine tuning
137	000-255	Blue 9 coarse tune
138	000-255	Blue 9 fine tuning
139	000-255	White 9 coarse tone
140	000-255	White 9 fine tuning
141	000-255	Red 10 coarse tone
142	000-255	Red 10 fine tuning
143	000-255	Green 10 coarse tune
144	000-255	Green 10 fine tuning
145	000-255	Blue 10 coarse tune
146	000-255	Blue 10 fine tuning
147	000-255	White 10 coarse tone
148	000-255	White 10 fine tuning
149	000-255	Red 11 coarse tune
150	000-255	Red 11 fine tuning
151	000-255	Green 11 coarse tune
152	000-255	Green 11 fine tuning
153	000-255	Blue 11 coarse tune
154	000-255	Blue 11 fine tuning
155	000-255	White 11 coarse tone

156	000-255	White 11 fine tuning
157	000-255	Red 12 coarse tone
158	000-255	Red 12 fine tuning
159	000-255	Green 12 coarse tune
160	000-255	Green 12 fine tuning
161	000-255	Blue 12 coarse tune
162	000-255	Blue 12 fine tuning
163	000-255	White 12 coarse tone
164	000-255	White 12 fine tuning
165	000-255	Cold white 1
166	000-255	Warm white 1
167	000-255	Cold white 2
168	000-255	Warm white 2
169	000-255	Cold white 3
170	000-255	Warm white 3
171	000-255	Cold white 4
172	000-255	Warm white 4
173	000-255	Cold white 5
174	000-255	Warm white 5
175	000-255	Cold white 6
176	000-255	Warm white 6
177	000-255	Cold white 7
178	000-255	Warm white 7
179	000-255	Cold white 8
180	000-255	Warm white 8
181	000-255	Cold white 9
182	000-255	Warm white 9
183	000-255	Cold white 10
184	000-255	Warm white 10
185	000-255	Cold white 11
186	000-255	Warm white 11
187	000-255	Cold white 12
188	000-255	Warm white 12
189	000-255	Cold white 13
190	000-255	Warm white 13
191	000-255	Cold white 14
192	000-255	Warm white 14
193	000-255	Cold white 15
194	000-255	Warm white 15
195	000-255	Cold white 16
196	000-255	Warm white 16
197	000-255	Cold white 17
198	000-255	Warm white 17
199	000-255	Cold white 18
200	000-255	Warm white 18
201	000-255	Cold white 19

202	000-255	Warm white 19
203	000-255	Cold white 20
204	000-255	Warm white 20
205	000-255	Cold white 21
206	000-255	Warm white 21
207	000-255	Cold white 22
208	000-255	Warm white 22
209	000-255	Cold white 23
210	000-255	Warm white 23
211	000-255	Cold white 24
212	000-255	Warm white 24
213	000-255	Cold white 25
214	000-255	Warm white 25
215	000-255	Cold white 26
216	000-255	Warm white 26
217	000-255	Cold white 27
218	000-255	Warm white 27
219	000-255	Cold white 28
220	000-255	Warm white 28
221	000-255	Cold white 29
222	000-255	Warm white 29
223	000-255	Cold white 30
224	000-255	Warm white 30
225	000-255	Cold white 31
226	000-255	Warm white 31
227	000-255	Cold white 32
228	000-255	Warm white 32
229	000-255	Cold white 33
230	000-255	Warm white 33
231	000-255	Cold white 34
232	000-255	Warm white 34
233	000-255	Cold white 35
234	000-255	Warm white 35
235	000-255	Cold white 36
236	000-255	Warm white 36
237	000-255	Cold white 37
238	000-255	Warm white 37
239	000-255	Cold white 38
240	000-255	Warm white 38
241	000-255	Cold white 39
242	000-255	Warm white 39
243	000-255	Cold white 40
244	000-255	Warm white 40
245	000-255	Cold white 41
246	000-255	Warm white 41
247	000-255	Cold white 42

248	000-255	Warm white 42
249	000-255	Cold white 43
250	000-255	Warm white 43
251	000-255	Cold white 44
252	000-255	Warm white 44
253	000-255	Cold white 45
254	000-255	Warm white 45
255	000-255	Cold white 46
256	000-255	Warm white 46
257	000-255	Cold white 47
258	000-255	Warm white 47
259	000-255	Cold white 48
260	000-255	Warm white 48
261	000-255	Cold white 49
262	000-255	Warm white 49
263	000-255	Cold white 50
264	000-255	Warm white 50
265	000-255	Cold white 51
266	000-255	Warm white 51
267	000-255	Cold white 52
268	000-255	Warm white 52
269	000-255	Cold white 53
270	000-255	Warm white 53
271	000-255	Cold white 54
272	000-255	Warm white 54
273	000-255	Cold white 55
274	000-255	Warm white 55
275	000-255	Cold white 56
276	000-255	Warm white 56
277	000-255	Cold white 57
278	000-255	Warm white 57
279	000-255	Cold white 58
280	000-255	Warm white 58
281	000-255	Cold white 59
282	000-255	Warm white 59
283	000-255	Cold white 60
284	000-255	Warm white 60
285	000-255	Cold white 61
286	000-255	Warm white 61
287	000-255	Cold white 62
288	000-255	Warm white 62
289	000-255	Cold white 63
290	000-255	Warm white 63
291	000-255	Cold white 64
292	000-255	Warm white 64
293	000-255	Cold white 65

294	000-255	Warm white 65
295	000-255	Cold white 66
296	000-255	Warm white 66
297	000-255	Cold white 67
298	000-255	Warm white 67
299	000-255	Cold white 68
300	000-255	Warm white 68
301	000-255	Cold white 69
302	000-255	Warm white 69
303	000-255	Cold white 70
304	000-255	Warm white 70
305	000-255	Cold white 71
306	000-255	Warm white 71
307	000-255	Cold white 72
308	000-255	Warm white 72

Description of CH332 channel: (2 values for main light and 1 effect, 8 values for auxiliary light and 1 effect for motor)

Passage	Channel value	Fundamental function
1	000-255	Y1 coarse tuning (Y mode direction)
2	000-255	Y1 fine tuning
3	000-255	Y2 coarse adjustment (Y mode amplitude)
4	000-255	Y2 fine tuning
5	000-255	Y3 coarse tuning
6	000-255	Y3 fine tuning
7	000-255	Y4 coarse tuning
8	000-255	Y4 fine tuning
9	000-255	Y5 coarse tuning
10	000-255	Y5 fine tuning
11	000-255	Y6 coarse tuning
12	000-255	Y6 fine tuning
13	000-255	Y7 coarse tuning
14	000-255	Y7 fine tuning
15	000-255	Y8 coarse tuning
16	000-255	Y8 fine tuning
17	000-255	Y9 coarse tune
18	000-255	Y9 fine tuning
19	000-255	Y10 coarse tuning
20	000-255	Y10 fine tuning
21	000-255	Y11 coarse tuning
22	000-255	Y11 fine tuning
23	000-255	Y12 coarse tuning
24	000-255	Y12 fine tuning
25	000-255	Y speed
26	000-255	Y mode
27	000-255	CTC

28	000-255	White light CTC
29	000-255	Color macro
30	000-255	Pattern
31	000-255	White light pattern
32	000-255	LED built-in effect
33	000-255	LED built-in effect speed
34	000-255	Trailing time of LED built-in effect
35	000-255	White light built-in effect
36	000-255	White light built-in effect speed
37	000-255	White light built-in effect trailing time
38	000-255	LED background color
39	000-255	LED background tone light coarse adjustment
40	000-255	Light fine-tuning of LED background tone
41	000-255	Total dimming
42	000-255	Total dimming and fine tuning
43	000-255	White light total dimming
44	000-255	Stroboscopic
45	000-255	White light stroboscopic
46	000-255	Enlarge 1
47	000-255	Enlarge 2
48	000-255	Enlarge 3
49	000-255	Enlarge 4
50	000-255	Enlarge 5
51	000-255	Enlarge 6
52	000-255	Enlarge 7
53	000-255	Enlarge 8
54	000-255	Enlarge 9
55	000-255	Enlarge by 10
56	000-255	Enlarge 11
57	000-255	Enlarge 12
58	000-255	Ffunction
59	000-255	Red (effect color selection)
60	000-255	Red Fine-tuning (effect color selection)
61	000-255	Green (effect color selection)
62	000-255	Green Fine-tuning (effect color selection)
63	000-255	Blue (effect color selection)
64	000-255	Blue Fine-tuning (effect color selection)
65	000-255	White (effect color selection)
66	000-255	White fine tuning (effect color selection)
67	000-255	Cold white total dimming
68	000-255	Warm white total dimming
69	000-255	Dimming 1 coarse adjustment
70	000-255	Dimming 1 fine tuning
71	000-255	Red 1 coarse tone
72	000-255	Red 1 fine tuning
73	000-255	Green 1 coarse tune

74	000-255	Green 1 fine tuning
75	000-255	Blue 1 coarse tune
76	000-255	Blue 1 fine tuning
77	000-255	White 1 coarse tone
78	000-255	White 1 fine tuning
79	000-255	Dimming 2 coarse adjustment
80	000-255	Dimming 2 fine tuning
81	000-255	Red 2 coarse tone
82	000-255	Red 2 fine tuning
83	000-255	Green 2 coarse tune
84	000-255	Green 2 fine tuning
85	000-255	Blue 2 coarse tone
86	000-255	Blue 2 fine tuning
87	000-255	White 2 coarse tone
88	000-255	White 2 fine tuning
89	000-255	Dimming 3 coarse adjustment
90	000-255	Dimming 3 fine tuning
91	000-255	Red 3 coarse tone
92	000-255	Red 3 fine tuning
93	000-255	Green 3 coarse tune
94	000-255	Green 3 fine tuning
95	000-255	Blue 3 coarse tune
96	000-255	Blue 3 fine tuning
97	000-255	White 3 coarse tone
98	000-255	White 3 fine tuning
99	000-255	Dimming 4 coarse adjustment
100	000-255	Dimming 4 fine tuning
101	000-255	Red 4 coarse tone
102	000-255	Red 4 fine tuning
103	000-255	Green 4 coarse tune
104	000-255	Green 4 fine tuning
105	000-255	Blue 4 coarse tone
106	000-255	Blue 4 fine tuning
107	000-255	White 4 coarse tones
108	000-255	White 4 fine tuning
109	000-255	Dimming 5 coarse adjustment
110	000-255	Dimming 5 fine tuning
111	000-255	Red 5 coarse tone
112	000-255	Red 5 fine tuning
113	000-255	Green 5 coarse tune
114	000-255	Green 5 fine tuning
115	000-255	Blue 5 coarse tune
116	000-255	Blue 5 fine tuning
117	000-255	White 5 coarse tone
118	000-255	White 5 fine tuning
119	000-255	Dimming 6 coarse adjustment

120	000-255	Dimming 6 fine tuning
121	000-255	Red 6 coarse tone
122	000-255	Red 6 fine tuning
123	000-255	Green 6 coarse tune
124	000-255	Green 6 fine tuning
125	000-255	Blue 6 coarse tune
126	000-255	Blue 6 fine tuning
127	000-255	White 6 coarse tones
128	000-255	White 6 fine tuning
129	000-255	Dimming 7 coarse adjustment
130	000-255	Dimming 7 fine tuning
131	000-255	Red 7 coarse tune
132	000-255	Red 7 fine tuning
133	000-255	Green 7 coarse tune
134	000-255	Green 7 fine tuning
135	000-255	Blue 7 coarse tune
136	000-255	Blue 7 fine tuning
137	000-255	White 7 coarse tone
138	000-255	White 7 fine tuning
139	000-255	Dimming 8 coarse adjustment
140	000-255	Dimming 8 fine tuning
141	000-255	Red 8 coarse tone
142	000-255	Red 8 fine tuning
143	000-255	Green 8 coarse tune
144	000-255	Green 8 fine tuning
145	000-255	Blue 8 coarse tune
146	000-255	Blue 8 fine tuning
147	000-255	White 8 coarse tone
148	000-255	White 8 fine tuning
149	000-255	Dimming 9 coarse adjustment
150	000-255	Dimming 9 fine tuning
151	000-255	Red 9 coarse tune
152	000-255	Red 9 fine tuning
153	000-255	Green 9 coarse tune
154	000-255	Green 9 fine tuning
155	000-255	Blue 9 coarse tune
156	000-255	Blue 9 fine tuning
157	000-255	White 9 coarse tone
158	000-255	White 9 fine tuning
159	000-255	Dimming 10 coarse adjustment
160	000-255	Dimming 10 fine tuning
161	000-255	Red 10 coarse tone
162	000-255	Red 10 fine tuning
163	000-255	Green 10 coarse tune
164	000-255	Green 10 fine tuning
165	000-255	Blue 10 coarse tune

166	000-255	Blue 10 fine tuning
167	000-255	White 10 coarse tone
168	000-255	White 10 fine tuning
169	000-255	Dimming 11 coarse adjustment
170	000-255	Dimming 11 Fine adjustment
171	000-255	Red 11 coarse tune
172	000-255	Red 11 fine tuning
173	000-255	Green 11 coarse tune
174	000-255	Green 11 fine tuning
175	000-255	Blue 11 coarse tune
176	000-255	Blue 11 fine tuning
177	000-255	White 11 coarse tone
178	000-255	White 11 fine tuning
179	000-255	Dimming 12 coarse adjustment
180	000-255	Dimming 12 fine tuning
181	000-255	Red 12 coarse tone
182	000-255	Red 12 fine tuning
183	000-255	Green 12 coarse tune
184	000-255	Green 12 fine tuning
185	000-255	Blue 12 coarse tune
186	000-255	Blue 12 fine tuning
187	000-255	White 12 coarse tone
188	000-255	White 12 fine tuning
189	000-255	Cold white 1
190	000-255	Warm white 1
191	000-255	Cold white 2
192	000-255	Warm white 2
193	000-255	Cold white 3
194	000-255	Warm white 3
195	000-255	Cold white 4
196	000-255	Warm white 4
197	000-255	Cold white 5
198	000-255	Warm white 5
199	000-255	Cold white 6
200	000-255	Warm white 6
201	000-255	Cold white 7
202	000-255	Warm white 7
203	000-255	Cold white 8
204	000-255	Warm white 8
205	000-255	Cold white 9
206	000-255	Warm white 9
207	000-255	Cold white 10
208	000-255	Warm white 10
209	000-255	Cold white 11
210	000-255	Warm white 11
211	000-255	Cold white 12

212	000-255	Warm white 12
213	000-255	Cold white 13
214	000-255	Warm white 13
215	000-255	Cold white 14
216	000-255	Warm white 14
217	000-255	Cold white 15
218	000-255	Warm white 15
219	000-255	Cold white 16
220	000-255	Warm white 16
221	000-255	Cold white 17
222	000-255	Warm white 17
223	000-255	Cold white 18
224	000-255	Warm white 18
225	000-255	Cold white 19
226	000-255	Warm white 19
227	000-255	Cold white 20
228	000-255	Warm white 20
229	000-255	Cold white 21
230	000-255	Warm white 21
231	000-255	Cold white 22
232	000-255	Warm white 22
233	000-255	Cold white 23
234	000-255	Warm white 23
235	000-255	Cold white 24
236	000-255	Warm white 24
237	000-255	Cold white 25
238	000-255	Warm white 25
239	000-255	Cold white 26
240	000-255	Warm white 26
241	000-255	Cold white 27
242	000-255	Warm white 27
243	000-255	Cold white 28
244	000-255	Warm white 28
245	000-255	Cold white 29
246	000-255	Warm white 29
247	000-255	Cold white 30
248	000-255	Warm white 30
249	000-255	Cold white 31
250	000-255	Warm white 31
251	000-255	Cold white 32
252	000-255	Warm white 32
253	000-255	Cold white 33
254	000-255	Warm white 33
255	000-255	Cold white 34
256	000-255	Warm white 34
257	000-255	Cold white 35

258	000-255	Warm white 35
259	000-255	Cold white 36
260	000-255	Warm white 36
261	000-255	Cold white 37
262	000-255	Warm white 37
263	000-255	Cold white 38
264	000-255	Warm white 38
265	000-255	Cold white 39
266	000-255	Warm white 39
267	000-255	Cold white 40
268	000-255	Warm white 40
269	000-255	Cold white 41
270	000-255	Warm white 41
271	000-255	Cold white 42
272	000-255	Warm white 42
273	000-255	Cold white 43
274	000-255	Warm white 43
275	000-255	Cold white 44
276	000-255	Warm white 44
277	000-255	Cold white 45
278	000-255	Warm white 45
279	000-255	Cold white 46
280	000-255	Warm white 46
281	000-255	Cold white 47
282	000-255	Warm white 47
283	000-255	Cold white 48
284	000-255	Warm white 48
285	000-255	Cold white 49
286	000-255	Warm white 49
287	000-255	Cold white 50
288	000-255	Warm white 50
289	000-255	Cold white 51
290	000-255	Warm white 51
291	000-255	Cold white 52
292	000-255	Warm white 52
293	000-255	Cold white 53
294	000-255	Warm white 53
295	000-255	Cold white 54
296	000-255	Warm white 54
297	000-255	Cold white 55
298	000-255	Warm white 55
299	000-255	Cold white 56
300	000-255	Warm white 56
301	000-255	Cold white 57
302	000-255	Warm white 57
303	000-255	Cold white 58

304	000-255	Warm white 58
305	000-255	Cold white 59
306	000-255	Warm white 59
307	000-255	Cold white 60
308	000-255	Warm white 60
309	000-255	Cold white 61
310	000-255	Warm white 61
311	000-255	Cold white 62
312	000-255	Warm white 62
313	000-255	Cold white 63
314	000-255	Warm white 63
315	000-255	Cold white 64
316	000-255	Warm white 64
317	000-255	Cold white 65
318	000-255	Warm white 65
319	000-255	Cold white 66
320	000-255	Warm white 66
321	000-255	Cold white 67
322	000-255	Warm white 67
323	000-255	Cold white 68
324	000-255	Warm white 68
325	000-255	Cold white 69
326	000-255	Warm white 69
327	000-255	Cold white 70
328	000-255	Warm white 70
329	000-255	Cold white 71
330	000-255	Warm white 71
331	000-255	Cold white 72
332	000-255	Warm white 72

五、 Technical parameters:

Voltage: AC100~240V 50/60HZ

Power: 12*60W(800W)

Lamp beads: 12 four-in-one 60-watt LED lamp beads, 432 2015 golden light lamp beads, and 432 2015 cold white light lamp beads.

Control mode: DMX512, self-propelled, master-slave, voice control and RDM function.

Channel: CH29, CH62, CH170, CH254, CH308, CH332.

Dimming: 0~100% linear dimming

Features: single swing+dyeing+light beam

Working temperature: -30 ~50°C

Strobe frequency: 1~30HZ

Appearance: metal, black

Connection mode: DMX512 input/output/power input/output.

IP grade: IP20