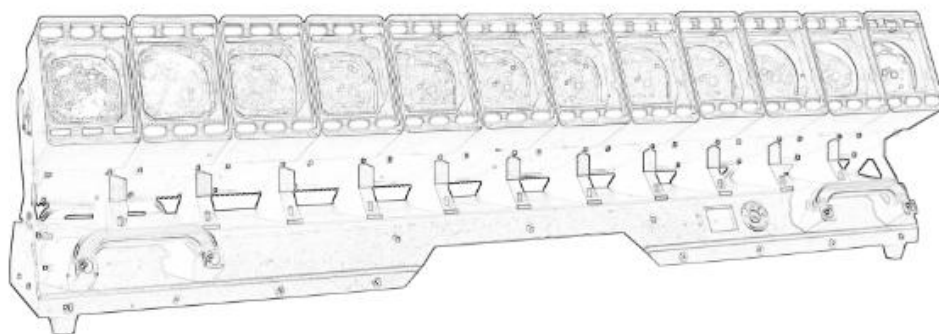


User manual



WAVEBAR PXL

Please read the instructions carefully before use

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STATEMENT

The product has well capability and intact packing when leave factory. All of the user should comply with warning item and manual, any misuse cause of the damages are not included in our guarantee, and also can not be responsible for any malfunction & problem owing to ignore the manual.

1.Safety Instructions

Please keep this User Guide for future consultation. If you sell the unit to another user, be sure that they also receive this instruction booklet.

- Unpack and check carefully there is no transportation damage before using the unit.
- Before operating, ensure that the voltage and frequency of power supply match the power requirements of the unit.
- It's important to ground the yellow/green conductor to earth in order to avoid electric shock.
- The unit is for indoor use only. Use only in a dry location.
- The unit must be installed in a location with adequate ventilation, at least 50cm from adjacent surfaces. Be sure that no ventilation slots are blocked.
- Disconnect main power before replacement or servicing.
- Make sure there are no flammable materials close to the unit while operating as it is fire hazard.
- Use safety cable when fixes this unit. DO NOT handle the unit by taking its head only, but always by taking its base.
- Maximum ambient temperature is $T_a: 40^{\circ}\text{C}$. DO NOT operate it where the temperature is higher than this Unit surface temperature may reach up to 85°C . DO NOT touch the housing bare-hand during its operation. Turn off the power and allow about 15 minutes for the unit to cool down before replacing or serving.
- the event of serious operating problem, stop using the unit immediately. Never try to repair the unit by yourself. Repairs carried out by unskilled people can lead to damage or malfunction. Please contact the nearest authorized technical assistance center. Always use the same type spare parts.
- DO NOT touch any wire during operation as high voltage might be causing electric shock.

Warning:

- To prevent or reduce the risk of electrical shock or fire, do not expose the unit to rain or moisture.
- The housing, the lenses, or the ultraviolet filter must be replaced if they are visibly damaged.

Caution:

- There are no user serviceable parts inside the unit. DO NOT open the housing or attempt any repairs yourself. In the unlikely event your unit may require service, please contact your nearest dealer.

Installation:

- The unit should be mounted via its screw holes on the bracket. Always ensure that the unit is firmly fixed to avoid vibration and slipping while operating. And make sure that the structure to which you are attaching the unit is secure and is able to support a weight of 10 times of the unit's weight. Also always use a safety cable that can hold 12 times of the weight of the unit when installing the fixture.
- The equipment must be fixed by professionals. And it must be fixed at a place where is out of the touch of people.

2. Technical Specifications

Voltage: AC100~240V 50 / 60 HZ

Power: 12 * 60W (800W)

Light source: 12*60 watt RGBW 4in1 LED, 432*2015 warm white led, 432*2015 cold white led

Control mode: DMX512, self-travel, master-slave, voice control, with RDM function.

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

Dimming: 32bit 0~100% Linear dimming

Features: single swing + wash + beam

Operating temperature: -30 degrees ~50 degrees

Frequency: 1-30 HZ

Appearance: metal, black

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

IP grade: IP20

Dimension: 1007*231*300mm

NW:26.45kgs

3.Control Menu



Menu key: Enter/return to the main menu

Up key: menu function up selection/parameter increment

Down key: menu function selection down/parameter decrease

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

Main menu	Sub menu	Menu function
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
	6, 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

3. Manual control		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

3. Manual control		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 down, and then press the Enter key to enter the factory settings.	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 calibration	Modify the parameter up or down (range 000-255), and confirm to save 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

5. Factory Settings			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

5. Factory Settings			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.

5. Factory Settings		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.

5. Factory Settings			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

5. Factory Settings			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

4.DMX Channels

29CH

Channel	Value	Function
1	000-255	Y coarse adjustment (Y mode direction)
2	000-255	Y fine adjustment overall (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 Macros
8	000-255	pattern
9	000-255	White light pattern
10	000-255	LED built-in effects
11	000-255	LED built-in effect speed
12	000-255	LED built-in effect trailing time
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	Strobe
21	000-255	White light strobe
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	Cool white total dimming
29	000-255	Warm white total dimming

62CH

Channel	Value	Function
1	000-255	Y1 coarse adjustment (Y mode direction)
2	000-255	Y1 fine adjustment
3	000-255	Y2 coarse adjustment (Y mode amplitude)
4	000-255	Y2 fine adjustment
5	000-255	Y3 coarse adjustment
6	000-255	Y3 fine adjustment
7	000-255	Y4 coarse adjustment
8	000-255	Y4 fine adjustment
9	000-255	Y5 coarse adjustment
10	000-255	Y5 fine adjustment
11	000-255	Y6 coarse adjustment
12	000-255	Y6 fine adjustment
13	000-255	Y7 coarse adjustment
14	000-255	Y7 fine adjustment
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 adjustment
25	000-255	Y Speed
26	000-255	Y-mode
27	000-255	CTC
28	000-255	White Light CTC
29	000-255	Color Macros
30	000-255	pattern
31	000-255	White light pattern
32	000-255	LED built-in effects
33	000-255	LED built-in effect speed
34	000-255	LED built-in effect trailing time
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 light coarse adjustment
40	000-255	Total dimming

41	000-255	White light total dimming
42	000-255	Strobe
43	000-255	White light strobe
44	000-255	Zoom 1
45	000-255	Zoom 2
46	000-255	Zoom 3
47	000-255	Zoom 4
48	000-255	Zoom in 5
49	000-255	Zoom 6
50	000-255	Zoom 7
51	000-255	Zoom 8
52	000-255	Zoom 9
53	000-255	Zoom in 10
54	000-255	Zoom 11
55	000-255	Zoom 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	Cool white total dimming
62	000-255	Warm white total dimming

170CH

Channel	Value	Function
1	000-255	Total dimming
2	000-255	Overall dimming fine adjustment
3	000-255	Strobe
4	000-255	White light strobe
5	000-255	CTC
6	000-255	pattern
7	000-255	White light pattern
8	000-255	Color Macros
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 adjustment (Y mode direction)
14	000-255	Y1 fine adjustment
15	000-255	Zoom 1
16	000-255	Red 1 Coarse
17	000-255	Red 1 fine tuning
18	000-255	Green 1 Coarse
19	000-255	Green 1 fine tuning
20	000-255	Blue 1 Coarse
21	000-255	Blue 1 fine tuning
22	000-255	White 1 Coarse
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 adjustment
28	000-255	Zoom 2
29	000-255	Red 2 Coarse
30	000-255	Red 2 fine tuning
31	000-255	Green 2 Coarse
32	000-255	Green 2 fine tuning
33	000-255	Blue 2 Coarse
34	000-255	Blue 2 fine tuning
35	000-255	White 2 Coarse
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 adjustment
40	000-255	Y3 fine adjustment

41	000-255	Zoom 3
42	000-255	Red 3 Coarse
43	000-255	Red 3 fine tuning
44	000-255	Green 3 Coarse
45	000-255	Green 3 fine tuning
46	000-255	Blue 3 Coarse
47	000-255	Blue 3 fine tuning
48	000-255	White 3 Coarse
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 adjustment
53	000-255	Y4 fine adjustment
54	000-255	Zoom 4
55	000-255	Red 4 Coarse
56	000-255	Red 4 fine tuning
57	000-255	Green 4 Coarse
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
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 adjustment
66	000-255	Y5 fine adjustment
67	000-255	Zoom in 5
68	000-255	Red 5 Coarse
69	000-255	Red 5 fine tuning
70	000-255	Green 5 Coarse
71	000-255	Green 5 fine tuning
72	000-255	Blue 5 Coarse
73	000-255	Blue 5 fine tuning
74	000-255	White 5 Coarse
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 adjustment
79	000-255	Y6 fine adjustment
80	000-255	Zoom 6
81	000-255	Red 6 Coarse
82	000-255	Red 6 fine tuning
83	000-255	Green 6 Coarse
84	000-255	Green 6 fine tuning

85	000-255	Blue 6 Coarse
86	000-255	Blue 6 fine tuning
87	000-255	White 6 Coarse
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 adjustment
92	000-255	Y7 fine adjustment
93	000-255	Zoom 7
94	000-255	Red 7 Coarse
95	000-255	Red 7 fine tuning
96	000-255	Green 7 Coarse
97	000-255	Green 7 fine tuning
98	000-255	Blue 7 Coarse
99	000-255	Blue 7 fine tuning
100	000-255	White 7 Coarse
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 adjustment
105	000-255	Y8 fine tuning
106	000-255	Zoom 8
107	000-255	Red 8 coarse
108	000-255	Red 8 fine tuning
109	000-255	Green 8 Coarse
110	000-255	Green 8 fine tuning
111	000-255	Blue 8 Coarse
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 Adjustment
118	000-255	Y9 fine tuning
119	000-255	Zoom 9
120	000-255	Red 9 Coarse
121	000-255	Red 9 fine tuning
122	000-255	Green 9 Coarse
123	000-255	Green 9 fine tuning
124	000-255	Blue 9 Coarse
125	000-255	Blue 9 fine tuning
126	000-255	White 9 Coarse
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 adjustment
131	000-255	Y10 fine tuning
132	000-255	Zoom in 10
133	000-255	Red 10 Coarse
134	000-255	Red 10 fine tuning
135	000-255	Green 10 Coarse
136	000-255	Green 10 fine tuning
137	000-255	Blue 10 Coarse
138	000-255	Blue 10 fine tuning
139	000-255	White 10 Coarse
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 adjustment
144	000-255	Y11 fine tuning
145	000-255	Zoom 11
146	000-255	Red 11 Coarse
147	000-255	Red 11 fine tuning
148	000-255	Green 11 Coarse
149	000-255	Green 11 fine tuning
150	000-255	Blue 11 Coarse
151	000-255	Blue 11 fine tuning
152	000-255	White 11 Coarse
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 adjustment
157	000-255	Y12 fine adjustment
158	000-255	Zoom 12
159	000-255	Red 12 coarse
160	000-255	Red 12 fine tuning
161	000-255	Green 12 Coarse
162	000-255	Green 12 fine tuning
163	000-255	Blue 12 Coarse Tone
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	Cool white total dimming
170	000-255	Warm white total dimming

254CH

Channel	Value	Function
1	000-255	Y1 coarse adjustment (Y mode direction)
2	000-255	Y1 fine adjustment
3	000-255	Y2 coarse adjustment (Y mode amplitude)
4	000-255	Y2 fine adjustment
5	000-255	Y3 coarse adjustment
6	000-255	Y3 fine-tuning
7	000-255	Y4 coarse adjustment
8	000-255	Y4 fine adjustment
9	000-255	Y5 coarse adjustment
10	000-255	Y5 fine adjustment
11	000-255	Y6 coarse adjustment
12	000-255	Y6 fine adjustment
13	000-255	Y7 coarse adjustment
14	000-255	Y7 fine adjustment
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 adjustment
25	000-255	Y Speed
26	000-255	Y-mode
27	000-255	CTC
28	000-255	White Light CTC
29	000-255	Color Macros
30	000-255	pattern
31	000-255	White light pattern
32	000-255	LED built-in effects
33	000-255	LED built-in effect speed
34	000-255	LED built-in effect trailing time
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 light coarse adjustment
40	000-255	Total dimming

41	000-255	White light total dimming
42	000-255	Strobe
43	000-255	White light strobe
44	000-255	Zoom 1
45	000-255	Zoom 2
46	000-255	Zoom 3
47	000-255	Zoom 4
48	000-255	Zoom in 5
49	000-255	Zoom 6
50	000-255	Zoom 7
51	000-255	Zoom 8
52	000-255	Zoom 9
53	000-255	Zoom in 10
54	000-255	Zoom 11
55	000-255	Zoom 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	Cool 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	Cool White 1
112	000-255	Warm White 1
113	000-255	Cool White 2
114	000-255	Warm White 2
115	000-255	Cool White 3
116	000-255	Warm White 3
117	000-255	Cool 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	Cool 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	Cool 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	Cool 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	Cool 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

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Channel	Value	Function
1	000-255	Y1 coarse adjustment (Y mode direction)
2	000-255	Y1 fine adjustment
3	000-255	Y2 coarse adjustment (Y mode amplitude)
4	000-255	Y2 fine adjustment
5	000-255	Y3 coarse adjustment
6	000-255	Y3 fine adjustment
7	000-255	Y4 coarse adjustment
8	000-255	Y4 fine adjustment
9	000-255	Y5 coarse adjustment
10	000-255	Y5 fine adjustment
11	000-255	Y6 coarse adjustment
12	000-255	Y6 fine adjustment
13	000-255	Y7 coarse adjustment
14	000-255	Y7 fine adjustment
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 adjustment
25	000-255	Y Speed
26	000-255	Y-mode
27	000-255	CTC
28	000-255	White Light CTC
29	000-255	Color Macros
30	000-255	pattern
31	000-255	White light pattern
32	000-255	LED built-in effects
33	000-255	LED built-in effect speed
34	000-255	LED built-in effect trailing time
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 light coarse adjustment
40	000-255	LED background light fine-tuning

41	000-255	Total dimming
42	000-255	Overall dimming fine adjustment
43	000-255	White light total dimming
44	000-255	Strobe
45	000-255	White light strobe
46	000-255	Zoom 1
47	000-255	Zoom 2
48	000-255	Zoom 3
49	000-255	Zoom 4
50	000-255	Zoom in 5
51	000-255	Zoom 6
52	000-255	Zoom 7
53	000-255	Zoom 8
54	000-255	Zoom 9
55	000-255	Zoom in 10
56	000-255	Zoom 11
57	000-255	Zoom 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	Cool white total dimming
68	000-255	Warm white total dimming
69	000-255	Red 1 Coarse
70	000-255	Red 1 fine tuning
71	000-255	Green 1 Coarse
72	000-255	Green 1 fine tuning
73	000-255	Blue 1 Coarse
74	000-255	Blue 1 fine tuning
75	000-255	White 1 Coarse
76	000-255	White 1 fine tuning
77	000-255	Red 2 Coarse
78	000-255	Red 2 fine tuning
79	000-255	Green 2 Coarse
80	000-255	Green 2 fine tuning
81	000-255	Blue 2 Coarse
82	000-255	Blue 2 fine tuning
83	000-255	White 2 Coarse
84	000-255	White 2 fine tuning

85	000-255	Red 3 Coarse
86	000-255	Red 3 fine tuning
87	000-255	Green 3 Coarse
88	000-255	Green 3 fine tuning
89	000-255	Blue 3 Coarse
90	000-255	Blue 3 fine tuning
91	000-255	White 3 Coarse
92	000-255	White 3 fine tuning
93	000-255	Red 4 Coarse
94	000-255	Red 4 fine tuning
95	000-255	Green 4 Coarse
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
100	000-255	White 4 fine tuning
101	000-255	Red 5 Coarse
102	000-255	Red 5 fine tuning
103	000-255	Green 5 Coarse
104	000-255	Green 5 fine tuning
105	000-255	Blue 5 Coarse
106	000-255	Blue 5 fine tuning
107	000-255	White 5 Coarse
108	000-255	White 5 fine tuning
109	000-255	Red 6 Coarse
110	000-255	Red 6 fine tuning
111	000-255	Green 6 Coarse
112	000-255	Green 6 fine tuning
113	000-255	Blue 6 Coarse
114	000-255	Blue 6 fine tuning
115	000-255	White 6 Coarse
116	000-255	White 6 fine tuning
117	000-255	Red 7 Coarse
118	000-255	Red 7 fine tuning
119	000-255	Green 7 Coarse
120	000-255	Green 7 fine tuning
121	000-255	Blue 7 Coarse
122	000-255	Blue 7 fine tuning
123	000-255	White 7 Coarse
124	000-255	White 7 fine tuning
125	000-255	Red 8 coarse
126	000-255	Red 8 fine tuning
127	000-255	Green 8 Coarse
128	000-255	Green 8 fine tuning

129	000-255	Blue 8 Coarse
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
134	000-255	Red 9 fine tuning
135	000-255	Green 9 Coarse
136	000-255	Green 9 fine tuning
137	000-255	Blue 9 Coarse
138	000-255	Blue 9 fine tuning
139	000-255	White 9 Coarse
140	000-255	White 9 fine tuning
141	000-255	Red 10 Coarse
142	000-255	Red 10 fine tuning
143	000-255	Green 10 Coarse
144	000-255	Green 10 fine tuning
145	000-255	Blue 10 Coarse
146	000-255	Blue 10 fine tuning
147	000-255	White 10 Coarse
148	000-255	White 10 fine tuning
149	000-255	Red 11 Coarse
150	000-255	Red 11 fine tuning
151	000-255	Green 11 Coarse
152	000-255	Green 11 fine tuning
153	000-255	Blue 11 Coarse
154	000-255	Blue 11 fine tuning
155	000-255	White 11 Coarse
156	000-255	White 11 fine tuning
157	000-255	Red 12 coarse
158	000-255	Red 12 fine tuning
159	000-255	Green 12 Coarse
160	000-255	Green 12 fine tuning
161	000-255	Blue 12 Coarse Tone
162	000-255	Blue 12 fine tuning
163	000-255	White 12 coarse tone
164	000-255	White 12 fine tuning
165	000-255	Cool White 1
166	000-255	Warm White 1
167	000-255	Cool White 2
168	000-255	Warm White 2
169	000-255	Cool White 3
170	000-255	Warm White 3
171	000-255	Cool 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	Cool 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	Cool 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	Cool 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	Cool 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

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Channel	Value	Function
1	000-255	Y1 coarse adjustment (Y mode direction)
2	000-255	Y1 fine adjustment
3	000-255	Y2 coarse adjustment (Y mode amplitude)
4	000-255	Y2 fine adjustment
5	000-255	Y3 coarse adjustment
6	000-255	Y3 fine adjustment
7	000-255	Y4 coarse adjustment
8	000-255	Y4 fine adjustment
9	000-255	Y5 coarse adjustment
10	000-255	Y5 fine adjustment
11	000-255	Y6 coarse adjustment
12	000-255	Y6 fine adjustment
13	000-255	Y7 coarse adjustment
14	000-255	Y7 fine adjustment
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 adjustment
25	000-255	Y Speed
26	000-255	Y-mode
27	000-255	CTC
28	000-255	White Light CTC
29	000-255	Color Macros
30	000-255	pattern
31	000-255	White light pattern
32	000-255	LED built-in effects
33	000-255	LED built-in effect speed
34	000-255	LED built-in effect trailing time

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 light coarse adjustment
40	000-255	LED background light fine-tuning
41	000-255	Total dimming
42	000-255	Overall dimming fine adjustment
43	000-255	White light total dimming
44	000-255	Strobe
45	000-255	White light strobe
46	000-255	Zoom 1
47	000-255	Zoom 2
48	000-255	Zoom 3
49	000-255	Zoom 4
50	000-255	Zoom in 5
51	000-255	Zoom 6
52	000-255	Zoom 7
53	000-255	Zoom 8
54	000-255	Zoom 9
55	000-255	Zoom in 10
56	000-255	Zoom 11
57	000-255	Zoom 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	Cool white total dimming
68	000-255	Warm white total dimming
69	000-255	Dimming 1 Coarse
70	000-255	Dimming 1 fine adjustment
71	000-255	Red 1 Coarse
72	000-255	Red 1 fine tuning
73	000-255	Green 1 Coarse
74	000-255	Green 1 fine tuning
75	000-255	Blue 1 Coarse
76	000-255	Blue 1 fine tuning
77	000-255	White 1 Coarse
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
82	000-255	Red 2 fine tuning
83	000-255	Green 2 Coarse
84	000-255	Green 2 fine tuning
85	000-255	Blue 2 Coarse
86	000-255	Blue 2 fine tuning
87	000-255	White 2 Coarse
88	000-255	White 2 fine tuning
89	000-255	Dimming 3 coarse adjustment
90	000-255	Dimming 3 fine adjustment
91	000-255	Red 3 Coarse
92	000-255	Red 3 fine tuning
93	000-255	Green 3 Coarse
94	000-255	Green 3 fine tuning
95	000-255	Blue 3 Coarse
96	000-255	Blue 3 fine tuning
97	000-255	White 3 Coarse
98	000-255	White 3 fine tuning
99	000-255	Dimming 4 coarse adjustment
100	000-255	Dimming 4 fine adjustment
101	000-255	Red 4 Coarse
102	000-255	Red 4 fine tuning
103	000-255	Green 4 Coarse
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
108	000-255	White 4 fine tuning
109	000-255	Dimming 5 Coarse Adjustment
110	000-255	Dimming 5 fine adjustment
111	000-255	Red 5 Coarse
112	000-255	Red 5 fine tuning
113	000-255	Green 5 Coarse
114	000-255	Green 5 fine tuning
115	000-255	Blue 5 Coarse
116	000-255	Blue 5 fine tuning
117	000-255	White 5 Coarse
118	000-255	White 5 fine tuning
119	000-255	Dimming 6 coarse adjustment
120	000-255	Dimming 6 fine adjustment
121	000-255	Red 6 Coarse
122	000-255	Red 6 fine tuning

123	000-255	Green 6 Coarse
124	000-255	Green 6 fine tuning
125	000-255	Blue 6 Coarse
126	000-255	Blue 6 fine tuning
127	000-255	White 6 Coarse
128	000-255	White 6 fine tuning
129	000-255	Dimming 7 coarse adjustment
130	000-255	Dimming 7 fine adjustment
131	000-255	Red 7 Coarse
132	000-255	Red 7 fine tuning
133	000-255	Green 7 Coarse
134	000-255	Green 7 fine tuning
135	000-255	Blue 7 Coarse
136	000-255	Blue 7 fine tuning
137	000-255	White 7 Coarse
138	000-255	White 7 fine tuning
139	000-255	Dimming 8 coarse adjustment
140	000-255	Dimming 8 fine adjustment
141	000-255	Red 8 coarse
142	000-255	Red 8 fine tuning
143	000-255	Green 8 Coarse
144	000-255	Green 8 fine tuning
145	000-255	Blue 8 Coarse
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 adjustment
151	000-255	Red 9 Coarse
152	000-255	Red 9 fine tuning
153	000-255	Green 9 Coarse
154	000-255	Green 9 fine tuning
155	000-255	Blue 9 Coarse
156	000-255	Blue 9 fine tuning
157	000-255	White 9 Coarse
158	000-255	White 9 fine tuning
159	000-255	Dimming 10 coarse adjustment
160	000-255	Dimming 10 fine adjustment
161	000-255	Red 10 Coarse
162	000-255	Red 10 fine tuning
163	000-255	Green 10 Coarse
164	000-255	Green 10 fine tuning
165	000-255	Blue 10 Coarse
166	000-255	Blue 10 fine tuning

167	000-255	White 10 Coarse
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
172	000-255	Red 11 fine tuning
173	000-255	Green 11 Coarse
174	000-255	Green 11 fine tuning
175	000-255	Blue 11 Coarse
176	000-255	Blue 11 fine tuning
177	000-255	White 11 Coarse
178	000-255	White 11 fine tuning
179	000-255	Dimming 12 coarse adjustment
180	000-255	Dimming 12 fine adjustment
181	000-255	Red 12 coarse
182	000-255	Red 12 fine tuning
183	000-255	Green 12 Coarse
184	000-255	Green 12 fine tuning
185	000-255	Blue 12 Coarse Tone
186	000-255	Blue 12 fine tuning
187	000-255	White 12 coarse tone
188	000-255	White 12 fine tuning
189	000-255	Cool White 1
190	000-255	Warm White 1
191	000-255	Cool White 2
192	000-255	Warm White 2
193	000-255	Cool White 3
194	000-255	Warm White 3
195	000-255	Cool 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	Cool 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	Cool 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	Cool 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	Cool 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

5. Trouble Shooting

Following are a few common problems that may occur during operation. Here are some suggestions for easy troubleshooting:

A. The unit does not work, no light and the fan does not work

1. Check the connection of power and main fuse.
2. Measure the mains voltage on the main connector.
3. Check the power on LED.

B. Not responding to DMX controller

1. DMX LED should be on. If not, check DMX connectors, cables to see if link properly.
2. If the DMX LED is on and no response to the channel, check the address settings and DMX polarity.
3. If you have intermittent DMX signal problems, check the pins on connectors or on PCB of the unit or the previous one.
4. Try to use another DMX controller.
5. Check if the DMX cables run near or run alongside to high voltage cables that may cause damage or interference to DMX interface circuit.

C. One of the channels is not working well

1. The stepper motor might be damaged or the cable connected to the PCB is broken.
2. The motor's drive IC on the PCB might be out of condition

6. Fixture Cleaning

The cleaning of internal and external optical lenses and/or mirrors must be carried out periodically to optimize light output. Cleaning frequency depends on the environment in which the fixture operates: damp, smoky or particularly dirty surrounding can cause greater accumulation of dirt on the unit's optics.

Clean with soft cloth using normal glass cleaning fluid.

Always dry the parts carefully.

Clean the external optics at least every 20 days. Clean the internal optics at least every 30/60 days.