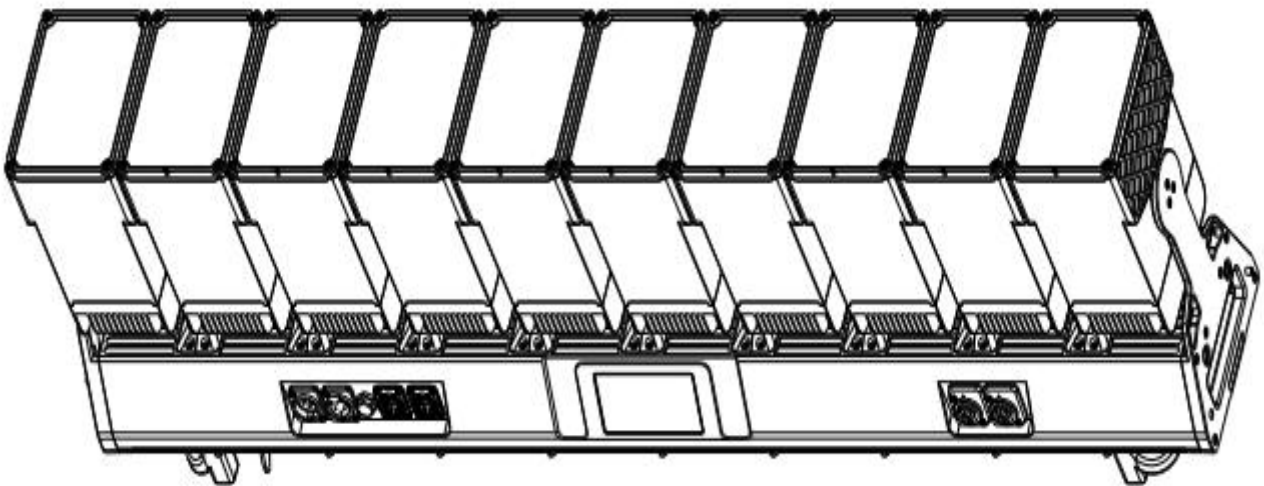


MEDUSA IP



USER MANUAL

KEEP THIS USER MANUAL FOR FUTURE NEEDS

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1. Precautions and installation precautions and installation

1.1. Declarations

Thank you for choosing our company's products! When this product leaves the factory, the performance is intact and the packaging is complete. In order for you to use this product safely and effectively, please read this instruction manual carefully and completely before you use this product. This manual contains important information for installation and use, please install and operate according to the requirements of the manual, and at the same time, please keep this manual properly so that it can be used at any time.

This manual is subject to technical change without notice.

1.2. Maintenance

- This fixture is for professional use only.
- If the external flexible cable or wire of this luminaire is damaged, it should be replaced with a special wire or wire provided by the manufacturer or its service agent.
- The light source contained in this luminaire should only be replaced by the manufacturer or its service agent or similar qualified person.
- Always connect the product to a protected circuit (circuit breaker or fuse). Ensure that the product has proper electrical grounding to avoid the risk of electric shock or fire.
- To avoid unnecessary wear and tear and prolong its service life, the power supply should be completely cut off by a circuit breaker or unplugged when not in use.
- The housing may generate heat while the product is operating. This product should be installed in a well-ventilated location.
- When a product is transferred from an extreme temperature environment (e.g., from a cold truck to warm and humid), the internal electronics of the product may condense. To avoid failure, allow the product to fully acclimatize to the surrounding environment before turning on the power supply.
- Flashing lights are known to trigger seizures. Users must comply with local notification laws regarding flash use.

1.3. Product Precautions

- Disconnect the power supply before cleaning the product or replacing the fuse.
- When not in use, replace and secure the shields of all power, data, USB, or other ports to IP rating.
- When installing this product above your head, use a safety cord.
- Connect this product to a grounded and protected circuit.
- When the product is turned on, look at the light source.
- Do not place any flammable materials within 20 cm of this product when operating or plugging in a power supply.
- Do not operate the product if the housing, lenses, or cables are damaged.
- Only use handles or hoisting/mounting brackets to handle this product.
- To avoid unnecessary wear and tear and prolong its service life, the power supply should be completely cut off by a circuit breaker or unplugged when not in use.
- In case of serious operational problems, it should be discontinued immediately

1.4. Product Introduction

ELECTRICAL

AC100 to 240V, 50/60 Hz (auto-ranging)

Power Consumption:880w

LIGHT SOURCE

10*LEDs (RGBW 4in1) 80W, 360*Golden+360*Cool White LED

50,000 hours life expectancy

Color Temperature (range): 2700 to 8000K

Beam Angle Spot: 5.7°

Beam Angle Flood: 26.8°

Field Angle Spot: 9°

Field Angle Flood: 33.9°

Cutoff Angle Spot: 9.9°

Cutoff Angle Flood: 36.3°

Zoom Range: 5.7° to 36.3°

Individual LED Control

DYNAMIC EFFECTS

Tilt: 200°

Tilt Range: 60°, 180°, 200°

Dimmer: Electronic

Shutter/Strobe: Electronic, 0 to 30Hz

CONTROL

Control Protocol: DMX512/RDM, Optional Artnet

DMX CH Model:CH29/56/144/216/262/282

Power connections: Seetronic True1 PowerCON IN/OUT

Data connections: 3pin(or 5pin) DMX IN/OUT

PHYSICAL

Protection Level: IP65

Fixture Size:1009*154*332mm

New Weight:28.5KG

Carton box 1in1: 112*27*45cm/32KG

Flight case 2in1: 118*60*52cm/87KG

WHAT'S INCLUDED MEDUSA IP

(2) Omega bracketsS

Power cord

3-Pin DMX Cable

Safety Rope

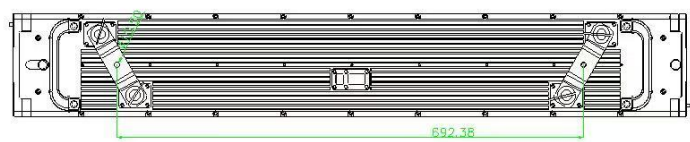
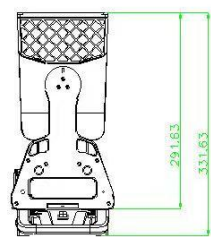
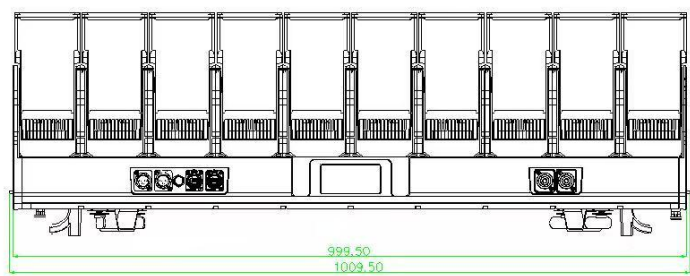
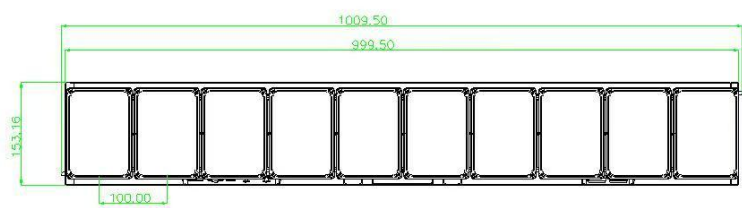
OPTIONAL ACCESSORIES

Professional Folding Clamps

Power linking cables

Flight Case

Fixture size



2. Display panel and button definition

2.1 Control Panel



Menu key: Enter/return to the main menu

Up Arrow: Menu function up selection/parameter increment

Down Arrow: Menu function to select down/decrement parameters

Confirm button: Select the menu function, and confirm and save it when the menu function parameters are modified.

2.2 Menu Function

After powering on and resetting the whole machine, press the menu button to enter the main menu (the main menu interface will exit after 30 seconds of no operation), see the main menu function table (a total of 5 main menu options) for details; Up or down key to select the main menu, confirm button to enter the modification of the function parameters of each menu, and then press the confirm button to save the current function parameters (after saving, it has a power-off memory).

Main menu	submenu	Menu function description
1. System settings	1. DMX address	Modify the DMX address code up or down (the address code can be selected in the range 001-512), and save the confirmation key, which is 002 by default.

	2. Encoder	Modify up/down on/off, confirm key save, and enable by default.
	3. Y reversal	Modify on/off up or down, confirm key to save, and turn off by default.
	4. Zoom in and reverse	Modify on/off up or down, confirm key to save, and turn off by default.
	5. No signal	Modify clearing/holding up or down, confirm the key to save, and clear by default.
	6. Voice-activated sensitivity	Modify the sensitivity of the voice control up or down (optional range 00-99), confirm the key to save, default 009.
	7. Reset	Modify Yes/No up or down, confirm key to save, default no.
	8. Restore factory settings	Modify Yes/No up or down, confirm key to save, default no.
	9. Advanced settings	
2. Operation mode	1. Operation mode	Up or down to select the run mode DMX/Voice Activated/Auto, confirm key to save, default DMX.
	2. Channel selection	Select the channel CH29.CH56.CH144.CH216.CH262.CH282 up or down to save the confirmation key, the default CH29.
	3. Y mode amplitude	Modify the amplitude of Y mode up or down (optional range 000-255), confirm key to save, default 000.
3. Manual control	1. Y	Modify the value up or down (adjustable range 000-255), confirm the key to save, default 000.
	2. Y fine-tuning	Modify the value up or down (adjustable range 000-255), confirm the key to save, default 000.
	3. Y speed	Modify the value up or down (adjustable range 000-255), confirm the key to save, default 000.
	4. Y mode	Modify the value up or down (adjustable range 000-255), confirm the key to save, default 000.
	5. CTO	Modify the value up or down (adjustable range 000-255), confirm the key to save, default 000.
	6. White CTC	Modify the value up or down (adjustable range 000-255), confirm the key to save, default 000.
	7. Color macro	Modify the value up or down (adjustable range 000-255), confirm the key to save, default 000.
	8. Pattern	Modify the value up or down (adjustable range 000-255), confirm the key to save, default 000.
	9. White light pattern	Modify the value up or down (adjustable range 000-255), confirm the key to save, default 000.
	10. LED mode	Modify the value up or down (adjustable range 000-255), confirm the key to save, default 000.
	11. LED speed	Modify the value up or down (adjustable range 000-255), confirm the key to save, default 000.
	12. LED tailing	Modify the value up or down (adjustable range 000-255), confirm the key to save, default 000.
	13. White light mode	Modify the value up or down (adjustable range 000-255), confirm the key to save, default 000.
	14. White light	Modify the value up or down (adjustable range 000-255), confirm the key to

	speed	save, default 000.	
	15. White light trailing	Modify the value up or down (adjustable range 000-255), confirm the key to save, default 000.	
	16. Background color	Modify the value up or down (adjustable range 000-255), confirm the key to save, default 000.	
	17. Background color light	Modify the value up or down (adjustable range 000-255), confirm the key to save, default 000.	
	18. Dimming	Modify the value up or down (adjustable range 000-255), confirm the key to save, default 000.	
	19. White light dimming	Modify the value up or down (adjustable range 000-255), confirm the key to save, default 000.	
	20. Strobe	Modify the value up or down (adjustable range 000-255), confirm the key to save, default 000.	
	21. White light strobe	Modify the value up or down (adjustable range 000-255), confirm the key to save, default 000.	
	22. Amplify	Modify the value up or down (adjustable range 000-255), confirm the key to save, default 000.	
	23. Functions	Modify the value up or down (adjustable range 000-255), confirm the key to save, default 000.	
	24. Red	Modify the value up or down (adjustable range 000-255), confirm the key to save, default 000.	
	25. Green	Modify the value up or down (adjustable range 000-255), confirm the key to save, default 000.	
	26. Blue	Modify the value up or down (adjustable range 000-255), confirm the key to save, default 000.	
	27. White	Modify the value up or down (adjustable range 000-255), confirm the key to save, default 000.	
	28. Cool white dimming	Modify the value up or down (adjustable range 000-255), confirm the key to save, default 000.	
	29. Warm white dimming	Modify the value up or down (adjustable range 000-255), confirm the key to save, default 000.	
4. Display settings	1. Language selection	Select Chinese/EN (English) up or down, confirm the key to save, default Chinese.	
	2. Inverted display settings	Up or down select Off/On Inverted Display Settings, Confirm key Save, which is on by default.	
	3. Screen protection	Up or down select Turn off/on screen saver and confirm that it is on by default.	
	4. Software version	AW. F program identification code, non-modifiable.	
5. Information settings	sensor	Used to view Hall status and temperature communication status	
	error message	Used to display error messages	
	Channel information	Used to display DMX channel data	
	Time information	Lights on time Fixture time	
6. Factory setting	DisplayPlease enter password! Modify it up or	1. Y1 axis calibration	Modify the parameters up or down (000-255) and save the confirmation key, which is 128 by default.
		2. F1 axis	Modify the parameters up or down (000-255) and save the

down to 138, and then press the confirm button to enter the factory settings.	calibration	confirmation key, which is 128 by default.
	3. Y2 axis calibration	Modify the parameters up or down (000-255) and save the confirmation key, which is 128 by default.
	4. F2 axis calibration	Modify the parameters up or down (000-255) and save the confirmation key, which is 128 by default.
	5. Y3 axis calibration	Modify the parameters up or down (000-255) and save the confirmation key, which is 128 by default.
	6. F3 axis calibration	Modify the parameters up or down (000-255) and save the confirmation key, which is 128 by default.
	7. Y4 axis calibration	Modify the parameters up or down (000-255) and save the confirmation key, which is 128 by default.
	8. F4 axis calibration	Modify the parameters up or down (000-255) and save the confirmation key, which is 128 by default.
	9. Y5 axis calibration	Modify the parameters up or down (000-255) and save the confirmation key, which is 128 by default.
	10. F5 axis calibration	Modify the parameters up or down (000-255) and save the confirmation key, which is 128 by default.
	11. Y6 axis calibration	Modify the parameters up or down (000-255) and save the confirmation key, which is 128 by default.
	12. F6 axis calibration	Modify the parameters up or down (000-255) and save the confirmation key, which is 128 by default.
	13. Y7 axis calibration	Modify the parameters up or down (000-255) and save the confirmation key, which is 128 by default.
	14. F7 axis calibration	Modify the parameters up or down (000-255) and save the confirmation key, which is 128 by default.
	15. Y8 axis calibration	Modify the parameters up or down (000-255) and save the confirmation key, which is 128 by default.
	16. F8 axis calibration	Modify the parameters up or down (000-255) and save the confirmation key, which is 128 by default.
	17. Y9 axis calibration	Modify the parameters up or down (000-255) and save the confirmation key, which is 128 by default.
	18. F9 axis calibration	Modify the parameters up or down (000-255) and save the confirmation key, which is 128 by default.
	19. Y10 axis calibration	Modify the parameters up or down (000-255) and save the confirmation key, which is 128 by default.
	20. F10 axis calibration	Modify the parameters up or down (000-255) and save the confirmation key, which is 128 by default.
	21, Y stroke	Modify the parameters up or down (000-255) and save the confirmation key, which is 128 by default.
	22. Focusing stroke	Modify the parameters up or down (000-255) and save the confirmation key, which is 128 by default.
	23, red 1	Modify the parameters up or down (range 000-255), confirm the key to save, default 252.
	24, green 1	Modify the parameters up or down (range 000-255), confirm the key to save, default 252.
	25, blue 1	Modify the parameters up or down (range 000-255), confirm the key to save, default 252.
	26, white 1	Modify the parameters up or down (range 000-255), confirm

			the key to save, default 252.
		27, red 2	Modify the parameters up or down (range 000-255), confirm the key to save, default 252.
		28, green 2	Modify the parameters up or down (range 000-255), confirm the key to save, default 252.
		29, blue 2	Modify the parameters up or down (range 000-255), confirm the key to save, default 252.
		30, white 2	Modify the parameters up or down (range 000-255), confirm the key to save, default 252.
		31, red 3	Modify the parameters up or down (range 000-255), confirm the key to save, default 252.
		32, green 3	Modify the parameters up or down (range 000-255), confirm the key to save, default 252.
		33, blue 3	Modify the parameters up or down (range 000-255), confirm the key to save, default 252.
		34, white 3	Modify the parameters up or down (range 000-255), confirm the key to save, default 252.
		35, red 4	Modify the parameters up or down (range 000-255), confirm the key to save, default 252.
		36, green 4	Modify the parameters up or down (range 000-255), confirm the key to save, default 252.
		37, blue 4	Modify the parameters up or down (range 000-255), confirm the key to save, default 252.
		38, white 4	Modify the parameters up or down (range 000-255), confirm the key to save, default 252.
		39, red 5	Modify the parameters up or down (range 000-255), confirm the key to save, default 252.
		40, green 5	Modify the parameters up or down (range 000-255), confirm the key to save, default 252.
		41, blue 5	Modify the parameters up or down (range 000-255), confirm the key to save, default 252.
		42, white 5	Modify the parameters up or down (range 000-255), confirm the key to save, default 252.
		43, red 6	Modify the parameters up or down (range 000-255), confirm the key to save, default 252.
		44, green 6	Modify the parameters up or down (range 000-255), confirm the key to save, default 252.
		45, blue 6	Modify the parameters up or down (range 000-255), confirm the key to save, default 252.
		46, white 6	Modify the parameters up or down (range 000-255), confirm the key to save, default 252.
		47, red 7	Modify the parameters up or down (range 000-255), confirm the key to save, default 252.
		48, green 7	Modify the parameters up or down (range 000-255), confirm the key to save, default 252.
		49, blue 7	Modify the parameters up or down (range 000-255), confirm the key to save, default 252.
		50, white 7	Modify the parameters up or down (range 000-255), confirm

			the key to save, default 252.
		51, red 8	Modify the parameters up or down (range 000-255), confirm the key to save, default 252.
		52, green 8	Modify the parameters up or down (range 000-255), confirm the key to save, default 252.
		53, blue 8	Modify the parameters up or down (range 000-255), confirm the key to save, default 252.
		54, white 8	Modify the parameters up or down (range 000-255), confirm the key to save, default 252.
		55, red 9	Modify the parameters up or down (range 000-255), confirm the key to save, default 252.
		56, green 9	Modify the parameters up or down (range 000-255), confirm the key to save, default 252.
		57, blue 9	Modify the parameters up or down (range 000-255), confirm the key to save, default 252.
		58, white 9	Modify the parameters up or down (range 000-255), confirm the key to save, default 252.
		59, red 10	Modify the parameters up or down (range 000-255), confirm the key to save, default 252.
		60, green 10	Modify the parameters up or down (range 000-255), confirm the key to save, default 252.
		61, blue 10	Modify the parameters up or down (range 000-255), confirm the key to save, default 252.
		62, white 10	Modify the parameters up or down (range 000-255), confirm the key to save, default 252.
		63. LEDYF direction	Modify parameter 000/001 up or down, and save the confirmation key, default 000.
		64. an electric current	Modify the parameters up or down (range 032-255), confirm the key to save, default 225.
		65. Logo	Select 000 /001 up or down, confirm the key to save, and 000 is the default.
		66. Temperature	Modify the temperature parameter (range 40-70) up or down, save the confirmation key, default 055.
		67. Temperature-fan	Modify Off/Standard/Quiet up or down, Confirm key to save, Off by default.
		68. LED	Modify LEDA/LEDB up or down, confirm that the key is saved, and LEDA is the default.
		69. Color mixing mode	Up or down RGBW/CMY, confirm key to save, default RGBW.
		70. PWM frequency	Up or down 600/1200/2000/4000/6000/15000Hz, confirm key to save, default 1200Hz.
		71. a dimming curve	Modify the linear curve/square rate curve/inverse square rate curve/S-curve up or down, confirm the key to save, and the default linearity.
		72. Dimming mode	Modify Quick/Smooth up or down, confirm key to save, default fast.

		73. Exercise off the light	Up or down off/on, confirm key to save, off by default.
		74. Time clears	Modify Yes/No up or down, confirm key to save, default no.

3. Master-slave control

There are 2 or more identical lamps connected with DMX three-core signal cable, all lamps and lanterns are modified to 001~512 arbitrary address code, set any one as the host, and other lamps and lanterns are slaves, and all slave display screens do not flash; When using the master to adjust the gradient, pulse, jump, voice-activated and self-propelled effects, all slaves synchronize the gradient, pulse, jump, voice-activated and self-propelled effects.

Special attention: 1. A group of lamps can only be set up with one host, if there are multiple hosts, all lamps will flash randomly and not synchronized.

2、All fixtures must be active when the DMX512 console is turned off.

4.DMX512 control

4.1 Address Code

The address code of all lamps and lanterns is set, and all lamps are connected to the DMX512 console in parallel with DMX three-core signal cables, and the address code stops flashing, indicating that the DMX512 console signal has been sent to the lamps, and the DMX512 console is used to control the relevant functions according to the channel instructions.

4.2 CH29 channel table

pass age	Channel value	Basic functions
1	000-255	Y coarse adjustment (Y mode orientation)
2	000-255	Y micro-adjuster (Y mode amplitude)
3	000-255	Y speed
4	000-255	Y mode (4 values and 1 effect for motors). 0-3 invalid 4-255 (63 effects total)
5	000-255	CTC

6	000-255	White light CTC
7	000-255	Color Chart
8	000-255	Pattern
9	000-255	White light pattern
10	000-255	LED built-in effect (main light, 2 values, 1 effect) 0-1 is invalid 2-255 (127 effects total)
11	000-255	LED built-in effect speed
12	000-255	LED built-in effect trailing time
13	000-255	Built-in white light effect (8 values and 1 effect for fill light) 0-7 invalid 8-255 (31 effects total)
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 tint light
18	000-255	Total dimming
19	000-255	The white light is always dimmed
20	000-255	Strobe
21	000-255	White lights are flashing
22	000-255	Zoom in on the whole
23	000-255	function
24	000-255	Red (color selection for the effect)
25	000-255	Green (effect color selection)
26	000-255	Blue (effect color selection)
27	000-255	White (color selection for effect)
28	000-255	Cool white total dimming
29	000-255	Warm white total dimming

4.3 CH56 channel table

pass age	Channe l value	Basic functions
1	000-255	Y1 Coarse (Y mode direction)
2	000-255	Y1 fine-tuning
3	000-255	Y2 Coarse (Y mode amplitude)
4	000-255	Y2 fine-tuning
5	000-255	Y3 coarse
6	000-255	Y3 fine-tuning
7	000-255	Y4 coarse
8	000-255	Y4 fine-tuning
9	000-255	Y5 coarse
10	000-255	Y5 fine-tuning
11	000-255	Y6 coarse tuning
12	000-255	Y6 fine-tuning
13	000-255	Y7 coarse

14	000-255	Y7 fine-tuning
15	000-255	Y8 coarse
16	000-255	Y8 fine-tuning
17	000-255	Y9 coarse
18	000-255	Y9 fine-tuning
19	000-255	Y10 coarse
20	000-255	Y10 fine-tuning
21	000-255	Y speed
22	000-255	Y mode (4 values and 1 effect for motors). 0-3 invalid 4-255 (63 effects total)
23	000-255	CTC
24	000-255	White light CTC
25	000-255	Color Chart
26	000-255	Pattern
27	000-255	White light pattern
28	000-255	LED built-in effects (2 values for the main light, 1 effect). 0-1 is invalid 2-255 (127 effects total)
29	000-255	LED built-in effect speed
30	000-255	LED built-in effect trailing time
31	000-255	Built-in white light effect (8 values and 1 effect for fill light). 0-7 invalid 8-255 (31 effects total)
32	000-255	White light built-in effect speed
33	000-255	White light built-in effect trailing time
34	000-255	LED background color
35	000-255	LED background color light coarse adjustment
36	000-255	Total dimming
37	000-255	The white light is always dimmed
38	000-255	Strobe
39	000-255	White lights are flashing
40	000-255	Zoom in 1
41	000-255	Zoom in 2
42	000-255	Zoom 3
43	000-255	Zoom in 4
44	000-255	Zoom in 5
45	000-255	Zoom 6
46	000-255	Zoom 7
47	000-255	Zoom 8
48	000-255	Zoom in 9
49	000-255	Zoom in 10
50	000-255	function
51	000-255	Red (color selection for the effect)
52	000-255	Green (effect color selection)
53	000-255	Blue (effect color selection)

54	000-255	White (color selection for effect)
55	000-255	Cool white total dimming
56	000-255	Warm white total dimming

4.4 CH144 channel table

pass age	Channel value	Basic functions
1	000-255	Total dimming
2	000-255	Total dimming fine-tuning
3	000-255	Strobe
4	000-255	White lights are flashing
5	000-255	CTC
6	000-255	Pattern
7	000-255	White light pattern
8	000-255	Color Chart
9	000-255	Built-in white light effect (8 values and 1 effect for fill light). 0-7 invalid 8-255 (31 effects total)
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 (Y mode direction)
14	000-255	Y1 fine-tuning
15	000-255	Zoom in 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	Cool white 1-2-3-58-59-60
25	000-255	Warm white 1-2-3-58-59-60
26	000-255	Y2 Coarse (Y mode amplitude)
27	000-255	Y2 fine-tuning
28	000-255	Zoom in 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	Cool white 4-5-6-55-56-57
38	000-255	Warm white 4-5-6-55-56-57
39	000-255	Y3 coarse
40	000-255	Y3 fine-tuning
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	Cool white 7-8-9-52-53-54
51	000-255	Warm white 7-8-9-52-53-54
52	000-255	Y4 coarse
53	000-255	Y4 fine-tuning
54	000-255	Zoom in 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 tones
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 10-11-12-49-50-51
64	000-255	Warm white 10-11-12-49-50-51
65	000-255	Y5 coarse
66	000-255	Y5 fine-tuning
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 13-14-15-46-47-48
77	000-255	Warm white 13-14-15-46-47-48
78	000-255	Y6 coarse tuning
79	000-255	Y6 fine-tuning
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 tones
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 16-17-18-43-44-45
90	000-255	Warm white 16-17-18-43-44-45
91	000-255	Y7 coarse
92	000-255	Y7 fine-tuning
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	Cool white 19-20-21-40-41-42
103	000-255	Warm white 19-20-21-40-41-42
104	000-255	Y8 coarse
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
114	000-255	White 8 fine-tuning
115	000-255	Cold white 22-23-24-37-38-39
116	000-255	Warm white 22-23-24-37-38-39
117	000-255	Y9 coarse
118	000-255	Y9 fine-tuning
119	000-255	Zoom in 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	Cool white 25-26-27-34-35-36

129	000-255	Warm white 25-26-27-34-35-36
130	000-255	Y10 coarse
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	Cool white 28-29-30-31-32-33
142	000-255	Warm white 28-29-30-31-32-33
143	000-255	Cool white total dimming
144	000-255	Warm white total dimming

4.5 CH216 Channel Table

pass age	Chann el value	Basic functions
1	000-25 5	Y1 Coarse (Y mode direction)
2	000-25 5	Y1 fine-tuning
3	000-25 5	Y2 Coarse (Y mode amplitude)
4	000-25 5	Y2 fine-tuning
5	000-25 5	Y3 coarse
6	000-25 5	Y3 fine-tuning
7	000-25 5	Y4 coarse
8	000-25 5	Y4 fine-tuning
9	000-25 5	Y5 coarse
10	000-25 5	Y5 fine-tuning
11	000-25 5	Y6 coarse tuning
12	000-25 5	Y6 fine-tuning
13	000-25 5	Y7 coarse

14	000-25 5	Y7 fine-tuning
15	000-25 5	Y8 coarse
16	000-25 5	Y8 fine-tuning
17	000-25 5	Y9 coarse
18	000-25 5	Y9 fine-tuning
19	000-25 5	Y10 coarse
20	000-25 5	Y10 fine-tuning
21	000-25 5	Y speed
22	000-25 5	Y mode (4 values and 1 effect for motors). 0-3 invalid 4-255 (63 effects total)
23	000-25 5	CTC
24	000-25 5	White light CTC
25	000-25 5	Color Chart
26	000-25 5	Pattern
27	000-25 5	White light pattern
28	000-25 5	LED built-in effects (2 values for the main light, 1 effect). 0-1 is invalid 2-255 (127 effects total)
29	000-25 5	LED built-in effect speed
30	000-25 5	LED built-in effect trailing time
31	000-25 5	Built-in white light effect (8 values and 1 effect for fill light). 0-7 invalid 8-255 (31 effects total)
32	000-25 5	White light built-in effect speed
33	000-25 5	White light built-in effect trailing time
34	000-25 5	LED background color
35	000-25 5	LED background color light coarse adjustment
36	000-25	Total dimming

	5	
37	000-25 5	The white light is always dimmed
38	000-25 5	Strobe
39	000-25 5	White lights are flashing
40	000-25 5	Zoom in 1
41	000-25 5	Zoom in 2
42	000-25 5	Zoom 3
43	000-25 5	Zoom in 4
44	000-25 5	Zoom in 5
45	000-25 5	Zoom 6
46	000-25 5	Zoom 7
47	000-25 5	Zoom 8
48	000-25 5	Zoom in 9
49	000-25 5	Zoom in 10
50	000-25 5	function
51	000-25 5	red
52	000-25 5	green
53	000-25 5	blue
54	000-25 5	white
55	000-25 5	Cool white total dimming
56	000-25 5	Warm white total dimming
57	000-25 5	Red 1 (Effect Selection)
58	000-25 5	Green 1 (Effect color selection)
59	000-25 5	Blue 1 (effect color selection)
60	000-25	White 1 (effect color selection)

	5	
... 	... 	... 
93	000-25 5	Red 10
94	000-25 5	Green 10
95	000-25 5	Blue 10
96	000-25 5	White 10
97	000-25 5	Cold white 1
98	000-25 5	Warm White 1
... 	... 	... 
215	000-25 5	Cool white 60
216	000-25 5	Warm white 60

4.6 CH262 channel table

pass age	Channe l value	Basic functions
1	000-255	Y1 Coarse (Y mode direction)
2	000-255	Y1 fine-tuning
3	000-255	Y2 Coarse (Y mode amplitude)
4	000-255	Y2 fine-tuning
5	000-255	Y3 coarse
6	000-255	Y3 fine-tuning
7	000-255	Y4 coarse
8	000-255	Y4 fine-tuning
9	000-255	Y5 coarse
10	000-255	Y5 fine-tuning
11	000-255	Y6 coarse tuning
12	000-255	Y6 fine-tuning
13	000-255	Y7 coarse
14	000-255	Y7 fine-tuning
15	000-255	Y8 coarse
16	000-255	Y8 fine-tuning
17	000-255	Y9 coarse
18	000-255	Y9 fine-tuning
19	000-255	Y10 coarse
20	000-255	Y10 fine-tuning

21	000-255	Y speed
22	000-255	Y mode (4 values and 1 effect for motors) 0-3 invalid 4-255 (63 effects total)
23	000-255	CTC
24	000-255	White light CTC
25	000-255	Color Chart
26	000-255	Pattern
27	000-255	White light pattern
28	000-255	LED built-in effect (main light, 2 values, 1 effect) 0-1 is invalid 2-255 (127 effects total)
29	000-255	LED built-in effect speed
30	000-255	LED built-in effect trailing time
31	000-255	Built-in white light effect (8 values and 1 effect for fill light) 0-7 invalid 8-255 (31 effects total)
32	000-255	White light built-in effect speed
33	000-255	White light built-in effect trailing time
34	000-255	LED background color
35	000-255	LED background color light coarse adjustment
36	000-255	LED background tint light adjustment
37	000-255	Total dimming
38	000-255	Total dimming fine-tuning
39	000-255	The white light is always dimmed
40	000-255	Strobe
41	000-255	White lights are flashing
42	000-255	Zoom in 1
43	000-255	Zoom in 2
44	000-255	Zoom 3
45	000-255	Zoom in 4
46	000-255	Zoom in 5
47	000-255	Zoom 6
48	000-255	Zoom 7
49	000-255	Zoom 8
50	000-255	Zoom in 9
51	000-255	Zoom in 10
52	000-255	function
53	000-255	red
54	000-255	Red fine-tuning
55	000-255	green
56	000-255	Green fine-tuning
57	000-255	blue
58	000-255	Blue fine-tuning
59	000-255	white
60	000-255	White fine-tuning

61	000-255	Cool white total dimming
62	000-255	Warm white total dimming
63	000-255	Red 1 coarse (effect color selection)
64	000-255	Red 1 fine-tuning
65	000-255	Green 1 coarse (effect color selection)
66	000-255	Green 1 fine-tuning
67	000-255	Blue 1 coarse adjustment (effect color selection)
68	000-255	Blue 1 fine-tuning
69	000-255	White 1 coarse (color selection for effect)
70	000-255	White 1 fine-tuning
...	...	...
		
135	000-255	Red 10 coarse
136	000-255	Red 10 fine-tuning
137	000-255	Green 10 coarse
138	000-255	Green 10 fine-tuning
139	000-255	Blue 10 coarse
140	000-255	Blue 10 fine-tuning
141	000-255	White 10 coarse
142	000-255	White 10 fine-tuning
143	000-255	Cold white 1
144	000-255	Warm White 1
...	...	...
		
261	000-255	Cool white 60
262	000-255	Warm white 60

4.7 CH282 channel table

pass age	Channe l value	Basic functions
1	000-255	Y1 Coarse (Y mode direction)
2	000-255	Y1 fine-tuning
3	000-255	Y2 Coarse (Y mode amplitude)
4	000-255	Y2 fine-tuning
5	000-255	Y3 coarse
6	000-255	Y3 fine-tuning
7	000-255	Y4 coarse
8	000-255	Y4 fine-tuning
9	000-255	Y5 coarse
10	000-255	Y5 fine-tuning
11	000-255	Y6 coarse tuning
12	000-255	Y6 fine-tuning

13	000-255	Y7 coarse
14	000-255	Y7 fine-tuning
15	000-255	Y8 coarse
16	000-255	Y8 fine-tuning
17	000-255	Y9 coarse
18	000-255	Y9 fine-tuning
19	000-255	Y10 coarse
20	000-255	Y10 fine-tuning
21	000-255	Y speed
22	000-255	Y mode (4 values and 1 effect for motors). 0-3 invalid 4-255 (63 effects total)
23	000-255	CTC
24	000-255	White light CTC
25	000-255	Color Chart
26	000-255	Pattern
27	000-255	White light pattern
28	000-255	LED built-in effects (2 values for the main light, 1 effect). 0-1 is invalid 2-255 (127 effects total)
29	000-255	LED built-in effect speed
30	000-255	LED built-in effect trailing time
31	000-255	Built-in white light effect (8 values and 1 effect for fill light). 0-7 invalid 8-255 (31 effects total)
32	000-255	White light built-in effect speed
33	000-255	White light built-in effect trailing time
34	000-255	LED background color
35	000-255	LED background color light coarse adjustment
36	000-255	LED background tint light adjustment
37	000-255	Total dimming
38	000-255	Total dimming fine-tuning
39	000-255	The white light is always dimmed
40	000-255	Strobe
41	000-255	White lights are flashing
42	000-255	Zoom in 1
43	000-255	Zoom in 2
44	000-255	Zoom 3
45	000-255	Zoom in 4
46	000-255	Zoom in 5
47	000-255	Zoom 6
48	000-255	Zoom 7
49	000-255	Zoom 8
50	000-255	Zoom in 9
51	000-255	Zoom in 10
52	000-255	function

53	000-255	red
54	000-255	Red fine-tuning
55	000-255	green
56	000-255	Green fine-tuning
57	000-255	blue
58	000-255	Blue fine-tuning
59	000-255	white
60	000-255	White fine-tuning
61	000-255	Cool white total dimming
62	000-255	Warm white total dimming
63	000-255	Dimming 1 coarse adjustment
64	000-255	Dimming 1 fine-tuning
65	000-255	Red 1 coarse (effect color selection)
66	000-255	Red 1 fine-tuning
67	000-255	Green 1 coarse (effect color selection)
68	000-255	Green 1 fine-tuning
69	000-255	Blue 1 coarse adjustment (effect color selection)
70	000-255	Blue 1 fine-tuning
71	000-255	White 1 coarse (color selection for effect)
72	000-255	White 1 fine-tuning
...	...	...
153	000-255	Dimming 10 coarse adjustments
154	000-255	Dimming 10 fine-tuning
155	000-255	Red 10 coarse
156	000-255	Red 10 fine-tuning
157	000-255	Green 10 coarse
158	000-255	Green 10 fine-tuning
159	000-255	Blue 10 coarse
160	000-255	Blue 10 fine-tuning
161	000-255	White 10 coarse
162	000-255	White 10 fine-tuning
163	000-255	Cold white 1
164	000-255	Warm White 1
...	...	...
281	000-255	Cool white 60
282	000-255	Warm white 60

4.8 Functional Channel Description

1	000-009	empty	No function
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2	010-014	Y-axis motion turns off the light on	Blackout on tilt on
3	015-019	Y-axis motion is turned off and off	Blackout on tilt Off
4	020-024	rgbw	RGBW (additive) color-mixing mode
5	025-029	CMY light reverse control	CMY (subtractive) color-mixing mode
6	030-034	Y-axis control is turned on	Combine heads
7	035-039	The Y-axis is closed by the whole control	Disable combine heads
8	040-044	retain	Reserved for future use
9	045-049	retain	Reserved for future use
10	050-054	retain	Reserved for future use
11	055-059	Y-axis reset	Tilt reset
12	060-064	Amplified reset	Zoom reset
13	065-069	Zoom in on the quiet reset	Quiet zoom reset
14	070-074	Reset the whole machine (need to reset to zero)	All reset
15	075-079	Lamp head order 1-10	Cell order 1-10
16	080-084	Lamphead order 10-1	Cell order 10-1
17	085-089	retain	Reserved for future use
18	090-094	Y reversal is turned on	Tilt reverse
19	095-099	retain	Reserved for future use
20	100-104	Y reversal closes	Disable tilt reverse
21	105-109	retain	Reserved for future use
22	110-114	retain	Reserved for future use
23	115-119	retain	Reserved for future use
24	120-134	retain	Reserved for future use
25	135-139	Fast dimming	Dimmer fast
26	140-144	Smooth dimming	Dimmer smooth
27	145-149	Linear curves	Linear
28	150-154	Squared rate curve	Square
29	155-159	Inverse square rate curve	I Squa
30	160-164	S-curve	S-Curve
31	165-169	retain	Reserved for future use
32	170-174	retain	Reserved for future use
33	175-179	PWM frequency 600HZ	PWM 600HZ
34	180-184	PWM frequency 1200HZ	PWM 1200HZ
35	185-189	PWM frequency 2000HZ	PWM 2000 HZ
36	190-194	PWM frequency 4000HZ	PWM 4000 HZ
37	195-199	PWM frequency 6000HZ	PWM 6000 HZ
38	200-204	PWM frequency 15000HZ	PWM 15000 HZ
39	205-255	retain	Reserved for future use

Note 1

The amplitude of the menu Y mode is 0, and the amplitude of the Y mode is controlled by Y whole control fine adjustment or Y2 coarse adjustment

The amplitude of menu Y mode is 1--255, and the function channel is 205--255, which controls the amplitude of Y mode

The function channel is 0--204, and the Y mode amplitude set by the menu controls the Y mode amplitude

Strobe

pass age	Channel value	Basic functions
1	000-019	The light valve is closed
2	020-024	The light valve opens
3	025-064	The strobe goes from fast to slow
4	065-069	The light valve opens
5	070-084	100-0% strobe, from fast to slow
6	085-089	The light valve opens
7	090-104	0-100% strobe, from fast to slow
8	105-109	The light valve opens
9	110-124	Random strobe, from fast to slow
10	125-129	The light valve opens
11	130-144	Random 100-0% strobe, from fast to slow
12	145-149	The light valve opens
13	150-164	Random 0-100% strobe, from fast to slow
14	165-169	The light valve opens
15	170-184	Pulse strobe 1, from fast to slow
16	185-189	The light valve opens
17	190-204	Random pulse strobe, from fast to slow
18	205-209	The light valve opens
19	210-224	0-100-0% strobe, from fast to slow
20	225-229	The light valve opens
21	230-244	Pulse Strobe 2, from fast to slow
22	245-255	The light valve opens

Color Chart

pass age	Channel value	Basic functions
1	0	not
2	001-002	2700k
3	003-004	3200k
4	005-006	4200k
5	007-008	5600k
6	009-010	8000k
7	011	blue
8	012-048	Blue to cyan
9	049	cyan
10	050-086	Cyan to green
11	087	green
12	088-124	Green to yellow
13	125	Yellow

14	126-162	Yellow to red
15	163	red
16	164-200	Red to magenta
17	201	magenta
18	202-238	Magenta to blue
19	239	blue
20	240-247	Gradient effect, from fast to slow
21	248-255	Pulse effect, from fast to slow

5. Common faults

In view of some common faults, corresponding solutions are proposed. Any unsolvable problem should be handled by a professional. Disconnect the power supply before maintaining the fixture.

1. The lamp beads are not lit

- Check that the voltage that matches the luminaire is installed;
- Check whether the power supply connection or control switch of the lamp is in poor contact;
- Check if the power supply is insufficient;
- Check if the DMX512 controller is sending instructions.

2. The lamp does not accept the control of the console after normal reset

- Check whether the numerical start address value and function options of the lamp are correct;
- Check whether the connection of the communication control line is correct, the communication line is too long or has been interrupted;
- Check whether the control equipment is invalid, and check whether the signal amplifier connected in series is invalid;
- Check whether the communication line is too long or other equipment interferes with each other;
- Optimize the wiring, shorten the length of the control signal line, and separate the wiring of high-voltage and low-voltage lines;
- add a signal amplifier;
- The signal line adopts high-quality shielded twisted pair cable;
- Connect a signal termination resistor (120 ohms) at the end of the luminaire.

3. The lamp cannot be activated

- Check whether the power supply parameters are consistent with the lamp;
- Check that the lamps have poor contact or fall off due to extrusion deformation, internal parts vibration, moisture and other reasons during long-distance transportation.
- Please check whether the internal wires and connectors of the lamp are falling off or loose.
- Check whether the electronic components of the lamp (such as electronic transformers, PCB boards, motor control boards, etc.) are loose, short-circuited and burned.

REMARK

The product has perfect performance and integrity packing. All users should be strictly comply with the warning and operating instructions as stated. Or we aren't in charge of any result by misusing.

Any damage resulting by misuse is not within the Company's warranty.

Any fault or problem caused by neglecting the manual is also not in the charge of dealers.

Errors and omissions for every information given in this manual excepted.

All information is subject to change without prior notice.

Thank you again for your patronage!
We will be offering sincere service as always,
Wish you have a good lighting journey!