

Double matrix lamp /PL-7IP

Note: This manual contains important information on how to install and use it safely, please read it carefully and install and operate it as required. At the same time, please keep this manual properly for emergency use.

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This product leaves the factory in good condition and the package is complete. All users should strictly abide by the warnings and operation instructions stated in this manual. Any damage caused by misuse is not guaranteed by the company. The dealer is not responsible for the failure and problems caused by ignoring the operation manual.

This manual is subject to technical changes without prior notice.

Safety guidance information



Warnings

The products are packaged in good condition before delivery. Please follow the user manual for operation.



The machine failure caused by human causes is not covered by the warranty.

- After receiving the light fixture, unwrap it and check for any damage caused by shipping. If there is damage caused by transportation, please do not use this lamp.

And contact the distributor or manufacturer as soon as possible.

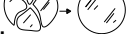
- This product is suitable for indoor use, its protection level is IP65, the lamp should be kept clean, avoid use in wet or excessive dust environment.

Should be carried out every three months: maintenance.

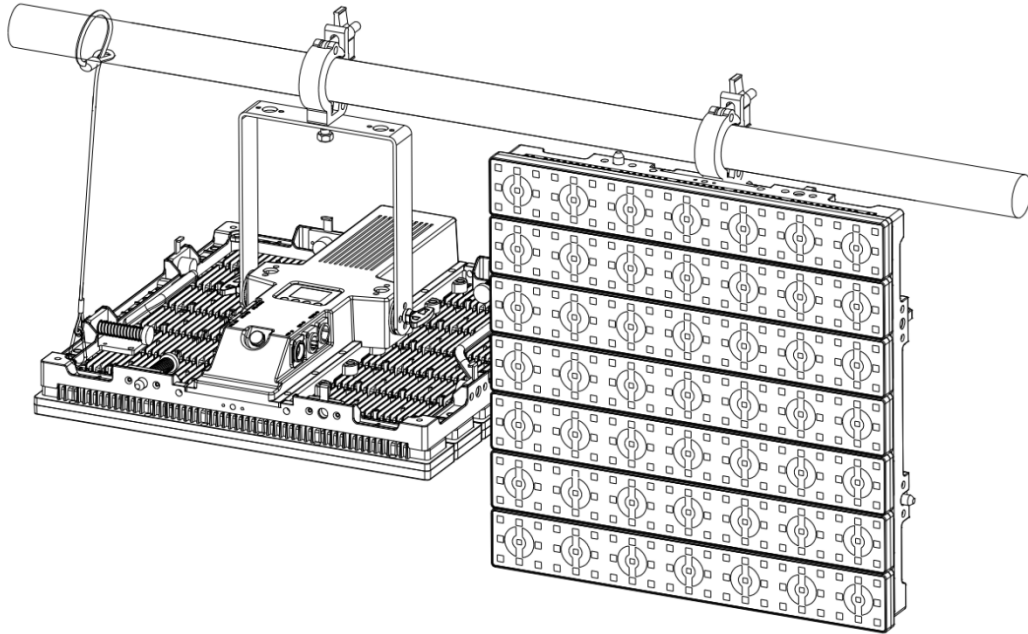
- Please do not install the lamp directly on the surface of ordinary combustible substances. 
- Only qualified professionals can install, operate and maintain the luminaire, and ensure that the operation is strictly in accordance with the procedures described in this operating instruction manual.
- Do not project the luminaire directly on combustible objects, and keep the distance between the luminaire and the illuminated object at more than 3 meters. $\geq 3\text{m}$ 

- Do not look directly at the light source of the luminaire (especially for people with epilepsy) to avoid eye damage!
- Please do not open the lamp to repair yourself, and do not make any changes to the structure of the lamp.
- The person who connects the electrical part must have the corresponding qualification to operate.
- Before installation, please make sure that the power supply voltage you are using matches the voltage marked on the lamp.
- Each luminaire should be properly grounded and electrically installed in accordance with the relevant standards.
- Do not connect this lamp to any other dimming device.
- When the luminaire is suspended from a high place, for safety reasons, please pass the safety rope equipped with the luminaire through the handle or related parts for auxiliary lifting.

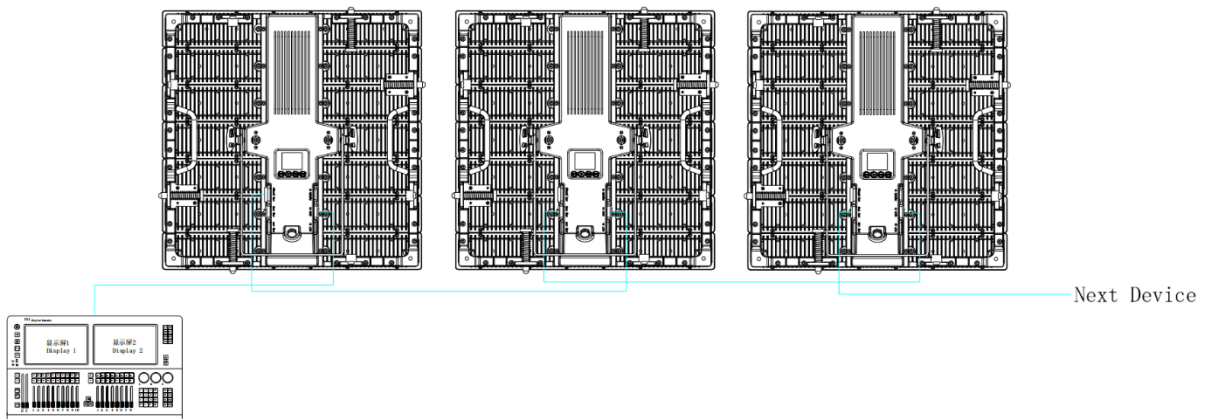
For specific installation methods, please refer to the relevant parts of this manual.

- When the LED lens and glass cover are seriously scratched or cracked, they need to be replaced. 
- After 5 minutes of work, the external surface temperature of the lamp is 45 °C, and the external surface temperature of the lamp is 60 °C after the lamp is stable (after constant temperature).
- There are no repairable parts inside the luminaire. Before starting to operate the light fixture, please check that all cover plates (or housings) are installed.
- Whether the screws have been reliably tightened. Do not use the light fixture with the cover (or housing) open.
- If you have any questions or suggestions, please contact the distributor or manufacturer in time.

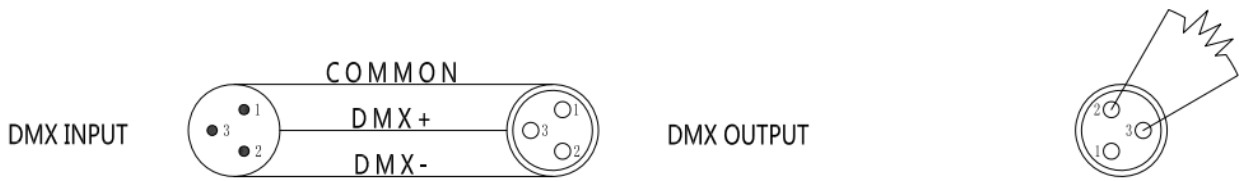
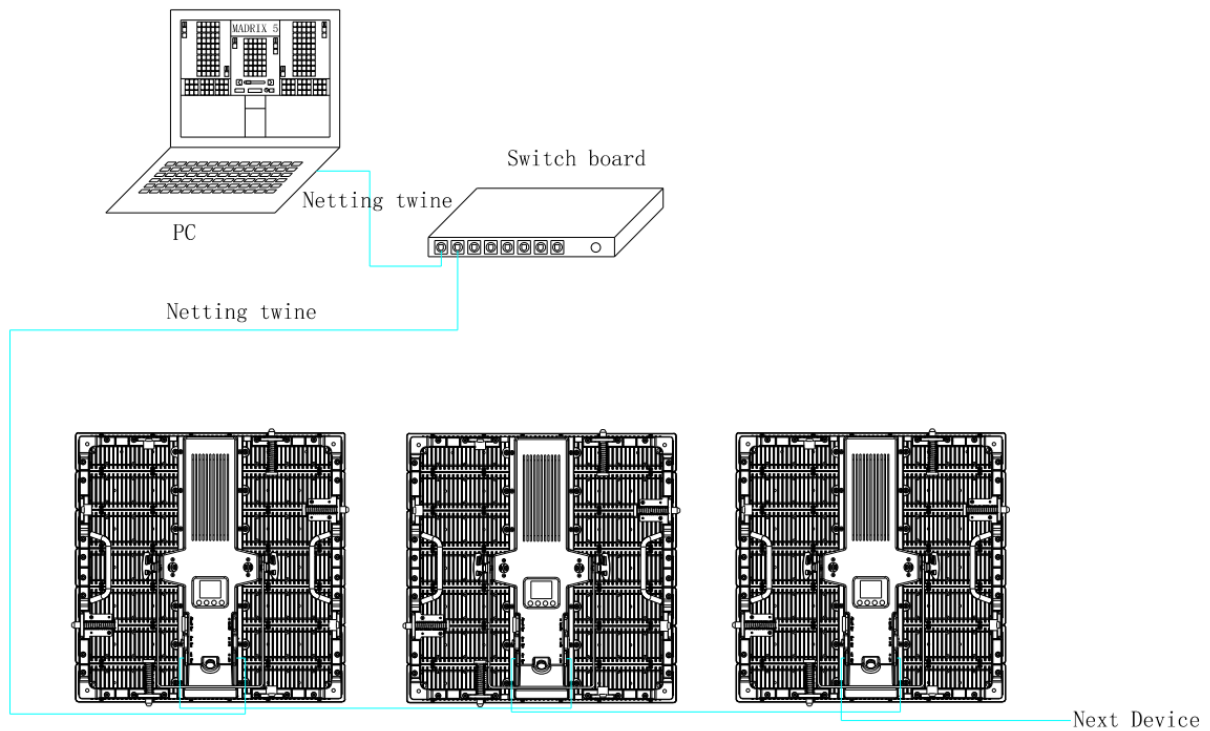
Luminaire structure and installation



DMX connection



Art-Net~SACN connection



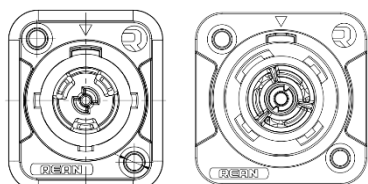
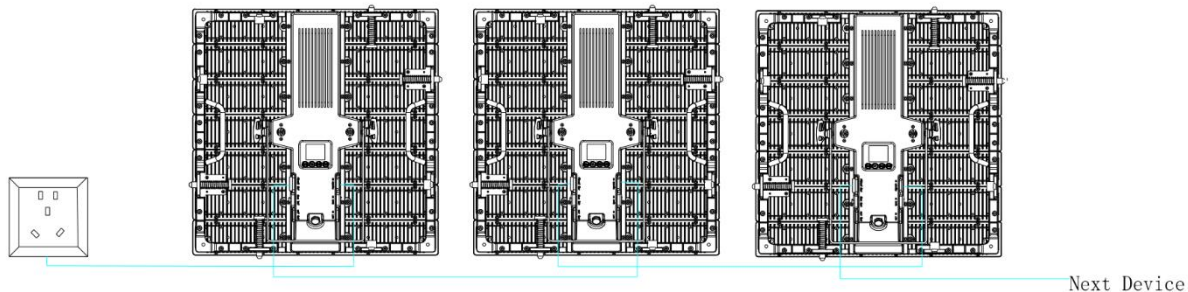
- In order to reduce signal errors and avoid signal weakening and interference during transmission, A 120 ohm 1/4W resistor can be added between core 2 and core 3 at the DMX output of the last machine.
- Connect the luminaire with XLR signal wire, one end is connected to the output outlet of the luminaire, The other end is connected to the input port of the next lamp. Signal lines can only be used in series, not in parallel.
Because the DMX512 signal transmission speed is very fast, when the signal line is damaged, the welding is not strong, the contact is not good, etc.
Can affect signal transmission and shut down the system.
- When the machine power supply of a unit is disconnected, the DMX output and input are connected by bypass.
In order to maintain the connection of the DMX line.
- Each light should have an address code and be able to receive information from the console.
- The terminal of the DMX512 system needs to be equipped with a terminal to reduce the error of signal transmission.

DMX address code Settings

Channel	Address	First address	Second address	Third station address	Station address 4
1CH	001-001	001	002	003	004
5CH	001-005	001	006	011	016
7CH	001-007	001	008	015	022
10CH	001-010	001	011	021	0311
12CH	001-012	001	013	025	037
13CH	001-013	001	014	027	040
16CH	001-016	001	017	033	049
1813CH	001-1813	001	000	000	000
1817CH	001-1817	001	000	000	000
1825CH	001-1825	001	000	000	000

(refer to the picture above) Number of lamps added from the 4th; Address code according to the channel, push in turn

Cable connection



This product uses power in/out
 Connect the power cord hand-in-hand
 Note: A 2.0 square copper power cord due to power
 Up to 3 PCS (230V) Up to 1 PCS (110V)

Do not connect too many lamps with a single power cord, or overload the work.
 Do not use the power cord whose insulation layer has been damaged, and do not put the power cord

on other wires.

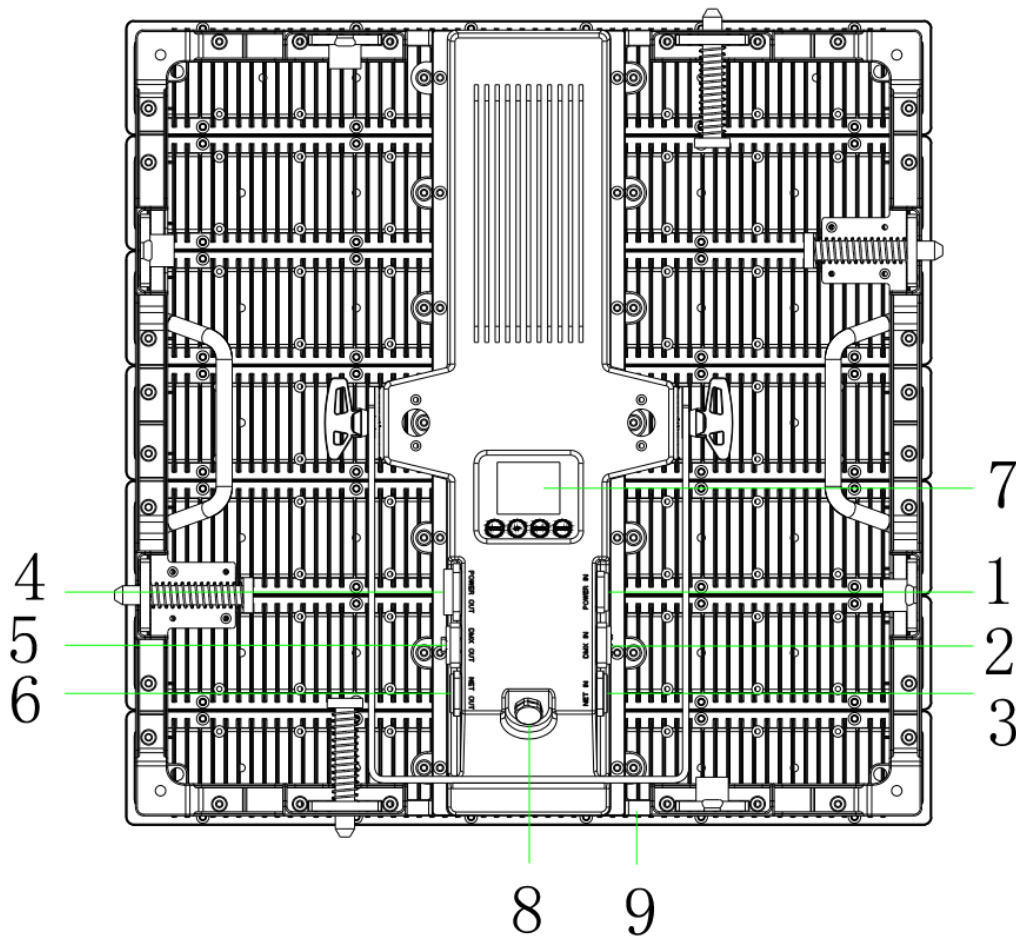
When the lamp is not in use or clean, please remove the power cord.

Do not unplug or drag the power cord.



warn

Control panel



- 1、 POWER input: REAN IP65 waterproof POWER IN power cord Input voltage: 100-240V 50/60HZ
- 2、 DMX input: REAN IP68 3-core, 5-core DMX OUT waterproof signal cable input
- 3、 Network input: REAN IP65 waterproof RRE8F network input
- 4、 POWER output: REAN IP65 waterproof POWER OUT Power supply cable output voltage 100-240V 50/60HZ
- 5、 DMX output: REAN IP65 3 core, 5 core DMX IN waterproof signal cable output
- 6、 Network output: REAN IP65 waterproof RRE8F network output
- 7、 Control Menu Panel
- 8、 Breather valve

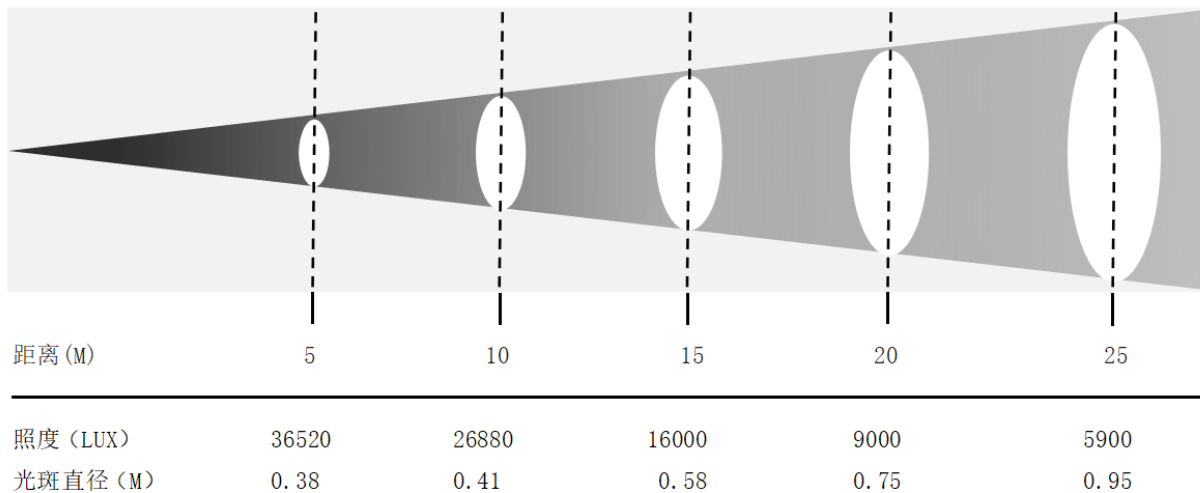
9、Safety hook

Panel function operation table below:

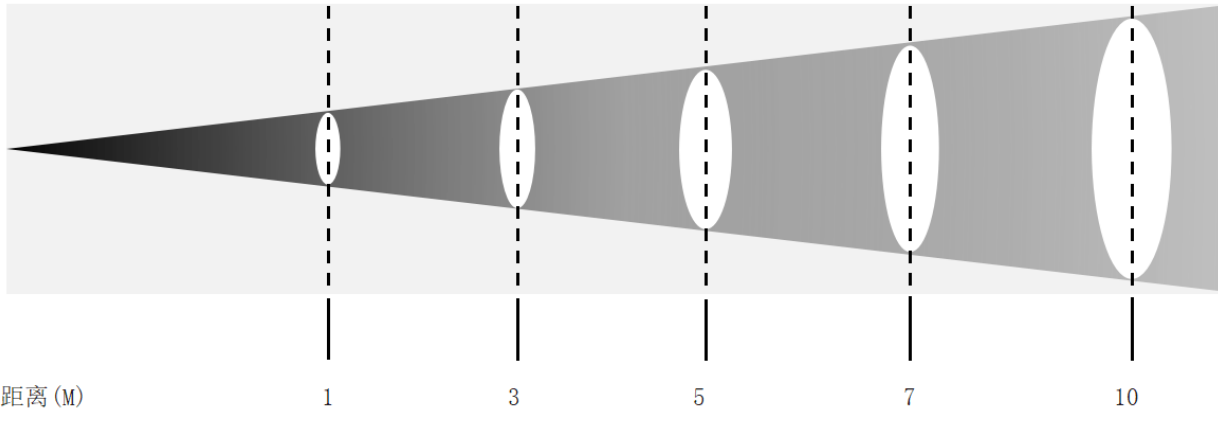
Features	Instructions	Function Description	Function
MENU (Function key)	Menu selection	Go to the menu selection function	Menu Operation
UP (up key)	Up.	Go to the previous option	Change parameters Increase
DOWN (down key)	Under the	Go to the latter option	Change parameter Reduce
ENTER (confirm key)	Confirm	Confirm the selected feature	Save the final parameters

Angle chart

光束角度：2.5°



光束角度：105°



距离 (M)	1	3	5	7	10
照度 (LUX)	6177	734	276	142	82
光斑直径 (M)	2.6	7.8	13	18	26

Main Menu

Access the Main menu Password: 8888

Serial number	Level 1 Menu	Secondary menu	Third level menu	Level 4 Menu	Level 5 Menu
1	Protocol Control protocol	DMX 512	Protocol limits refer to DMX Pass Note, machine menu real Inter will only show channel support Protocol for		The default is DMX512
		Art-Net			
		SACN			
		Art-Net+DMX			
		SACN+DMX			
2	DMX address	001-512	001		Default: 001
3	DMX channel mode	1Ch / 1 channel mode	Fixed Color/Fixed color	DMX channel supported Control protocol description: 1/5/7/10/12/13 / 16/252/HSV/ Mode: DMX512, Art net, SACN 1813/1817/182 5 Channel mode: Art net, SACN, Art net+DMX, SACN+DMX,	Default: 12 mode
			Color Temperature/Color temperature		
			Manual Color Mixer/Hand color mixer		
		5Ch/ 5 channel mode	Original channel mode, left unchanged		
		7Ch/ 7 channel mode			
		10Ch/ 10 channel mode			
		12Ch/ 12 channel mode			
		13Ch/ 13 channel mode			
		16Ch/ 16 channel mode			
		252Ch/252 channel mode			
		1813Ch/ 1813 channel mode			
1817Ch/ 1817 channel mode					
1825Ch/ 1825 channel					

		mode			
		HSV/HSV channel mode			
4	Static color	Fixed Color/Fixed color	R/ Red	Dimmer<0-25> Dimmer <0-255>	Default: RGBW-WW Brightness: 255
			G/ green		
			B/ Blue		
			W/ White		
			WW/ Warm white		
			RG/ Red + green		
			RB/ Red + blue		
			RW/ Red + white		
			R-WW/ Red + warm white		
			GB/ Green + blue		
			GW/ Green + white		
			G-WW/ Green + Warm white		
			BW/ Blue + white		
			B-WW/ Blue + warm white		
			W-WW/ White + warm white		
			RGB/ Red + green + blue		
			RGW/ Red + green + white		
			RG-WW/ Red + green + warm white		
			RBW/ Red + blue + white		
RB-WW/ Red + blue + warm white					
RW-WW/ Red + white + warm white					
GBW/ Green + blue + white					

4	Static color	Fixed Color/Fixed color	GB-WW/ Green + blue + warm white	Dimmer<0-25> Brightness <0-255>	Default: RGBW-WW Brightness: 255
			BW-WW/ Blue + white + warm white		
			RGBW/ Red + green + blue + white		
			RGB-WW/ Red + green + blue + warm white		
			RBW-WW/ Green + blue + white + warm white		
			GBW-WW/ Red + blue + white + warm white		
			RGBW-WW/ Red + green + blue + white + warm white		
		Color Temperature Color temperature	2700K	Dimmer<000-255> Dimmer <0-255>	Default: 3200K Brightness: 255
			2800K		
			3000K		
			3200K		
			3500K		
			4000K		
4500K					
5000K					

			5600K		
			6000K		
			6500K		
			7000k		
			7500K		
			8000K		
			8500K		
			9000K		
			9500K		
			10000K		
		Manual Color Hand Color	Red/ red	> < 0-255.	Default: Red + green + blue + white + warm white =255
			Green/ Green	> < 0-255.	
			Blue/ blue	> < 0-255.	
			White/ white	> < 0-255.	
			Warm White/ Warm white	> < 0-255.	
5	Autoplay	Auto 1/Auto Show 1	< 100 >		Default: Auto play 1 Speed: 100
		Auto 2/Auto Show 2	< 100 >		
		Auto 3/Auto Show 3	< 100 >		
		Auto 4/Auto Show 4	< 100 >		
		Auto 5/Auto Show 5	< 100 >		
		Auto 6/Auto Show 6	< 100 >		
6	Redshift	On/ on			Default: Off
		Off/ Off			
7	Master-slave computer	Master/ host			Default: Slave
		Slave/ slave			
8	Dimming curve	S-Curve/ S-shaped curve			Default: linear line Default: Linear line
		Linear/ Linear curve			
		Square/ exponential curve			
	Dimming curve	Inverse Square/ logarithmic line			
9	Dimming mode	Off/ No dimming			Default: No dimming
		Dimmer 1/ Dimmer Mode 1			
		Dimmer 2/ Dimmer Mode 2			
		Dimmer 3/ Dimmer Mode 3			
10	Power rate of work	Illumination			Default: Boost
		Boost			
11	White Balance	Off/Off			Default: Off
		Manual/manual adjustment	Led Module 1 Red	< > 125-255	RGBAW=255 (Initialize clear) Default: Off RGBAW=255 (Initialize clear)
			Light board 1 Red		
			Led Module 1 Green	< > 125-255	
			Light board 1 Green		
			Led Module 1 Blue	< > 125-255	
			Light board 1 Blue		
			Led Module 1 White	< > 125-255	
			Light board 1 White		

			Led Module 1 Warm White	<> 125-255		
			Light board 1 Warm white			
					
			Led Module 7 Red	<> 125-255		
			Light board 7 Red			
			Led Module 7 Green	<> 125-255		
			Light board 7 Green			
			Led Module 7 Blue	<> 125-255		
			Light board 7 Blue			
			Led Module 7 White	<> 125-255		
			Light board 7 White			
			Led Module 7 Warm White	<> 125-255		
			Light board 1 Warm white			
12	LED dimming frequency	600Hz / 600Hz			Default: 2000 Hz	
		1200Hz / 1200 Hz				
		2000Hz / 2000 Hz				
		4000Hz / 4000 Hz				
		6000Hz / 6000Hz				
		25000Hz / 25,000Hz				
13	Pixel flip	Normal			Default: Set by default	
		Default position				
		Flip Right 90°				
		Flip it 90° to the right				
		Flip Right 180°				
		Flip it 180° to the right				
		Flip Right 270°				
		Flip it 270° to the right				
14	Show flip	No/no			Default: No	
		Yes/Yes			Default: No	
15	Light up time	10S / 10 seconds			Default: 2 minutes	
		30S / 30 seconds				
		2Min / 2 minutes				
15	Screen time	Always On/Always on			Default: 2 minutes	
16	Keylock	On/Open			Default: On	
		Off/off			Default: On	
17	Language (Language)	English			Default: Chinese	
		Chinese				
18	Network Settings	Art-Net/group	0-127		Default: 0	
		Art-Net/subnetwork	0-15		Default: 0; Default: 0	
		Art-Net/domain	Domain 1	0-15		Default: Domain 1:0
						Default: Domain 1:0
			Domain 2	0-15		Default: Domain 1:0
						Default: Domain 1:0
		Domain 3	0-15		Default: Domain 1:0	

			Domain 4	0-15	Note: Non-pixel channel mode only uses domain 1
		SACN/ domain	Domain 1	1-63999	Tacit recognition: Domain 1:1, Domain 2:2, Domain 3:3, Domain 4:4
			Domain 2	1-63999	Remarks
			Domain 3	1-63999	1 Non-pixel channel mode only uses domain 1
			Domain 4	1-63999	2. When you set domain 1, domains 2-4 are automatically set in increments based on domain 1
			Start Channel/Start channel	Start Channel 1/ Start channel 1	001-512
		IP Address/IP address	xxx.xxx.xxx.xxx		
19	Device Information	Fixture Hours/ device room	65000		
		LED Hours/ lighting hours	65000		
		Disp Ver/ Displays the version number	V1.0		
		Drv Ver/ Driver version number	V3.0		
		UID	0991H		
20	Temperature	LED1Temp1:40 °C			
		Light board 1 Temperature 1:40 °C			
		LED2Temp2:40 °C			
		Lamp board 2 Temperature 2:40 °C			
		LED3Temp3:40 °C			
		Lamp board 3 Temperature 3:40 °C			
		LED4Temp4:40 °C			
		Light board 4 Temperature 4:40 °C			
				
		LED5Temp5:40 °C			
		Lamp board 5 Temperature 5:40 °C			
		LED6Temp6:40 °C			
		Lamp board 6 temperature 6:40 °C			
		LED7Temp7:40 °C			
Lamp board 7 Temperature 7:40 °C					
21	Factory	No/ No			Default: No
	Restore factory Settings	Yes/ Yes			Default: No

Note:

1. Only one machine can be set as the host in the same signal line. Please remove the DMX control signal when using the host

function

2, in the synchronous control of multiple lamps can be transferred from the host parameters include: DMX channel mode, display setting state, operating mode state (including user program data), for parameter transfer, please set the machine as the host, other machines set as the slave machine

DMX channel table

CH	1CH	5CH	7CH	10CH
1	Dimmer	Red	Dimmer	Dimmer
2		Green	Red	Dimmer Fine
3		Blue	Green	Red
4		Redshift	Blue	Green
5		White	White	Blue
6		Warm White	Warm White	White
7			Strobe	Warm White
8				Strobe
9				Fixed Color
10				Color Temperature

CH	12CH	10CH	13CH	16CH
1	Dimmer	Master Dimmer	Dimmer	Dimmer
2	Red	Shutter	Dimmer Fine	Dimmer Fine
3	Green	Red	Red	Red
4	Blue	Green	Red Fine	Red Fine
5	White	Blue	Green	Green
6	Warm White	CTC	Green Fine	Green Fine
7	Strobe	Tint	Blue	Blue
8	Fixed Color	Color Macro	Blue Fine	Blue Fine
9	Color Temperature	Color Macro Cross fade	White	White
10	Auto programs	Device Settings	White Fine	White Fine
11	Auto speed		Warm White	Warm White
12	Control (Hold 3 Seconds)		Warm White Fine	Warm White Fine
13			Strobe	Strobe
14				Fixed Color
15				Color Temperature
16				Control (Hold 3 Seconds)

1813CH				1817CH			
Art-Net	Art-Net+DMX			Art-Net	Art-Net+DMX		
Art-Net	Art-Net	DMX		Art-Net	Art-Net	DMX	
1	1		Red 1	1	1		Red 1
2	2		Green 1	2	2		Green 1
3	3		Blue 1	3	3		Blue 1
4	4		White 1	4	4		White 1
5	5		Red 2	5	5		Red 2
6	6		Green 2	6	6		Green 2
7	7		Blue 2	7	7		Blue 2

8	8		White 2	8	8		White 2
...
1757	1757		Red 440	1757	1757		Red 440
1758	1758		Green 440	1758	1758		Green 440
1759	1759		Blue 440	1759	1759		Blue 440
1760	1760		White 440	1760	1760		White 440
1761	1761		Red 441	1761	1761		Red 441
1762	1762		Green 441	1762	1762		Green 441
1763	1763		Blue 441	1763	1763		Blue 441
1764	1764		White 441	1764	1764		White 441
1765		1	Warm White 1	1765		1	Warm White 1
1766		2	Warm White 2	1766		2	Warm White 2
...	
1812		48	Warm White 8	1812		48	Warm White 8
1813		49	Warm White 8	1813		49	Warm White 8
				1814		50	Master Dimmer
				1815		51	RGBW Dimmer
				1816		52	WW Dimmer
				1817		53	Control (Hold 3 Seconds)

1825CH				HSV
Art-Net	Art-Net+DMX			
Art-Net	Art-Net	DMX		
1	1		Red 1	Hue
2	2		Green 1	Saturati
3	3		Blue 1	Value
4	4		White 1	
5	5		Red 2	
6	6		Green 2	
7	7		Blue 2	
8	8		White 2	
...	
1757	1757		Red 440	
1758	1758		Green 440	
1759	1759		Blue 440	
1760	1760		White 440	
1761	1761		Red 441	
1762	1762		Green 441	
1763	1763		Blue 441	
1764	1764		White 441	
1765		1	Warm White 1	
1766		2	Warm White 2	
...		
1812		48	Warm White 8	
1813		49	Warm White 8	
1814		50	Master Dimmer	
1815		51	Master Dimmer Fine	
1816		52	RGBW Dimmer	
1817		53	RGBW Dimmer Fine	
1818		54	WW Dimmer	
1819		55	WW Dimmer Fine	
1820		56	Strobe	
1821		57	Fixed Color	
1822		58	Color Temperature	
1823		59	Auto programs	
1824		60	Auto speed	

1825		61	Control (Hold 3 Seconds)	
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1CH				
CH	Function	Value	Percent/Setting	Remark
1	Dimmer	000-255	0 - 100%	

5CH				
CH	Function	Value	Percent/Setting	Remark
1	Red	000-255	0 ~ 100%	
2	Green	000-255	0 ~ 100%	
3	Blue	000-255	0 ~ 100%	
4	White	000-255	0 ~ 100%	
5	Warm White	000-255	0 ~ 100%	

7CH				
CH	Function	Value	Percent/Setting	Remark
1	Dimmer	000-255	0 ~ 100%	
2	Red	000-255	0 ~ 100%	
3	Green	000-255	0 ~ 100%	
4	Blue	000-255	0 ~ 100%	
5	White	000-255	0 ~ 100%	
6	Warm White	000-255	0 ~ 100%	
7	Strobe	000-010	No Function	
		011-255	Strobe Slow to Fast	

10CH				
CH	Function	Value	Percent/Setting	Remark
1	Dimmer	000-255	0 ~ 100%	
2	Dimmer Fine	000-255	0 ~ 100%	
3	Red	000-255	0 ~ 100%	
4	Green	000-255	0 ~ 100%	
5	Blue	000-255	0 ~ 100%	
6	White	000-255	0 ~ 100%	
7	Warm White	000-255	0 ~ 100%	
8	Strobe	000-010	No Function	
9	Fixed Color	000-005	No Function	
		006-013	R	
		014-021	G	
		022-029	B	
		030-037	W	
		038-045	WW	
		046-053	RG	
		054-061	RB	
		062-069	RW	
		070-077	R-WW	
		078-085	GB	
		086-093	GW	
		094-101	G-WW	
		102-109	BW	
110-117	B-WW			
118-125	W-WW			
126-133	RGB			

		134-141	RGW	
		142-149	RG-WWW	
		150-157	RBW	
		158-165	RB-WWW	
		166-173	RW-WWW	
		174-181	GBW	
		182-189	GB-WWW	
9	Fixed Color	190-197	BW-WWW	
		198-205	RGBW	
		206-213	RGB-WWW	
		214-221	GBW-WWW	
		222-229	RBW-WWW	
		230-237	RGBW-WWW	
		238-255	No Function	
10	Color Temperature	000-005	No Function	
		006-018	2700K	
		019-031	2800K	
10	Color Temperature	032-044	3000K	
		045-057	3200K	
		058-070	3500K	
		071-083	4000K	
		084-096	4500K	
		097-109	5000K	
		110-122	5600K	
		123-135	6000K	
		136-148	6500K	
		149-161	7000k	
		162-174	7500K	
		175-187	8000K	
		188-200	8500K	
		201-213	9000K	
		214-226	9500K	
227-239	10000K			
240-255	No Function			

12CH				
CH	Function	Value	Percent/Setting	Remark
1	Dimmer	000-255	0 ~ 100%	
2	Red	000-255	0 ~ 100%	
3	Green	000-255	0 ~ 100%	
4	Blue	000-255	0 ~ 100%	
5	White	000-255	0 ~ 100%	
6	Warm White	000-255	0 ~ 100%	
7	Strobe	000-010	No Function	
		011-255	Strobe Slow to Fast	
8	Fixed Color	000-005	No Function	
		006-013	R	
		014-021	G	
		022-029	B	
		030-037	W	
		038-045	WW	
		046-053	RG	
		054-061	RB	
		062-069	RW	
070-077	R-WWW			

		078-085	GB	
		086-093	GW	
		094-101	G-WW	
		102-109	BW	
		110-117	B-WW	
		118-125	W-WW	
		126-133	RGB	
		134-141	RGW	
		142-149	RG-WW	
		150-157	RBW	
		158-165	RB-WW	
		166-173	RW-WW	
		174-181	GBW	
		182-189	GB-WW	
		190-197	BW-WW	
198-205	RGBW			
206-213	RGB-WW			
8	Fixed Color	214-221	GBW-WW	
		222-229	RBW-WW	
		230-237	RGBW-WW	
		238-255	No Function	
9	Color Temperature	000-005	No Function	
		006-018	2700K	
		019-031	2800K	
		032-044	3000K	
		045-057	3200K	
		058-070	3500K	
		071-083	4000K	
		084-096	4500K	
		097-109	5000K	
		110-122	5600K	
		123-135	6000K	
		136-148	6500K	
		149-161	7000k	
		162-174	7500K	
		175-187	8000K	
		188-200	8500K	
201-213	9000K			
214-226	9500K			
227-239	10000K			
240-255	No Function			
10	Auto programs	No Function	No Function	
		011-040	Auto Program 1	
		041-080	Auto Program 2	
		081-120	Auto Program 3	
		121-160	Auto Program 4	
		161-200	Auto Program 5	
		201-240	Auto Program 6	
		241-255	No Function	
11	Auto speed	000-255	Auto speed slow to fast	
12	Control (Hold 3 Seconds)	000-007	No function	
		008-015	Dimmer Reset	
		016-023	Red Shift: ON	
		024-031	Red Shift: OFF	
		032-039	Dimmer: S-Curve	
		040-047	Dimmer: Linear	
		048-055	Dimmer: Square	

		056-063	Dimmer: Inverse Square	
		064-071	Dimmer speed mode off	
		072-079	Dimmer speed mode1	
		080-087	Dimmer speed mode2	
		088-095	Dimmer speed mode3	
		096-103	Pixel Flipping:Normal	
		104-111	Pixel Flipping:Flip Right 90°	
		112-119	Pixel Flipping:Flip Right 180°	
		120-127	Pixel Flipping:Flip Right 270°	
		128-255	Future Use (No Function)	

13CH				
CH	Function	Value	Percent/Setting	Remark
1	Dimmer	000-255	0 ~ 100%	
2	Dimmer Fine	000-255	0 ~ 100%	
3	Red	000-255	0 ~ 100%	
4	Red Fine	000-255	0 ~ 100%	
5	Green	000-255	0 ~ 100%	
6	Green Fine	000-255	0 ~ 100%	
7	Blue	000-255	0 ~ 100%	
8	Blue Fine	000-255	0 ~ 100%	
9	White	000-255	0 ~ 100%	
10	White Fine	000-255	0 ~ 100%	
11	Warm White	000-255	0 ~ 100%	
12	Warm White Fine	000-255	0 ~ 100%	
13	Strobe	000-010	No Function	
		011-255	Strobe Slow to Fast	

16CH				
CH	Function	Value	Percent/Setting	Remark
1	Dimmer	000-255	0 ~ 100%	
2	Dimmer Fine	000-255	0 ~ 100%	
3	Red	000-255	0 ~ 100%	
4	Red Fine	000-255	0 ~ 100%	
5	Green	000-255	0 ~ 100%	
6	Green Fine	000-255	0 ~ 100%	
7	Blue	000-255	0 ~ 100%	
8	Blue Fine	000-255	0 ~ 100%	
9	White	000-255	0 ~ 100%	
10	White Fine	000-255	0 ~ 100%	
11	Warm White	000-255	0 ~ 100%	
12	Warm White Fine	000-255	0 ~ 100%	
13	Strobe	000-010	No Function	
14	Fixed Color	011-255	Strobe Slow to Fast	
		000-005	No Function	
		006-013	R	
		014-021	G	
		022-029	B	
		030-037	W	
		038-045	WW	
		046-053	RG	
		054-061	RB	
		062-069	RW	
		070-077	R-WW	

		078-085	GB	
		086-093	GW	
		094-101	G-WW	
		102-109	BW	
		110-117	B-WW	
		118-125	W-WW	
		126-133	RGB	
		134-141	RGW	
		142-149	RG-WW	
		150-157	RBW	
		158-165	RB-WW	
		166-173	RW-WW	
		174-181	GBW	
		182-189	GB-WW	
		190-197	BW-WW	
198-205	RGBW			
206-213	RGB-WW			
14	Fixed Color	214-221	GBW-WW	
		222-229	RBW-WW	
		230-237	RGBW-WW	
		238-255	No Function	
15	Color Temperature	000-005	No Function	
		006-018	2700K	
		019-031	2800K	
		032-044	3000K	
		045-057	3200K	
		058-070	3500K	
		071-083	4000K	
		084-096	4500K	
		097-109	5000K	
		110-122	5600K	
		123-135	6000K	
		136-148	6500K	
		149-161	7000k	
		162-174	7500K	
		175-187	8000K	
188-200	8500K			
201-213	9000K			
214-226	9500K			
227-239	1000KControl (Hold 3 Seconds)			
240-255	No Function			
16	Control (Hold 3 Seconds)	000-007	No function	
		008-015	Dimmer Reset	
		016-023	Red Shift: ON	
		024-031	Red Shift: OFF	
		032-039	Dimmer: S-Curve	
		040-047	Dimmer: Linear	
		048-055	Dimmer: Square	
		056-063	Dimmer: Inverse Square	
		064-071	Dimmer speed mode off	
		072-079	Dimmer speed mode1	
		080-087	Dimmer speed mode2	
		088-095	Dimmer speed mode3	
		096-103	Pixel Flipping:Normal	
		104-111	Pixel Flipping:Flip Right 90°	
		112-119	Pixel Flipping:Flip Right 180°	

		120-127	Pixel Flipping:Flip Right 270°	
		128-255	Future Use (No Function)	

252CH					
CH	Function		Value	Percent/Setting	Remark
1	Master Dimmer		000-255	0 ~ 100%	
2	Master Dimmer Fine		000-255	0 ~ 100%	
3	RGBW Dimmer		000-255	0 ~ 100%	
4	RGBW Dimmer Fine		000-255	0 ~ 100%	
5	WW Dimmer		000-255	0 ~ 100%	
6	WW Dimmer Fine		000-255	0 ~ 100%	
7	Red 1		000-255	0 ~ 100%	
8	Green1		000-255	0 ~ 100%	
9	Blue 1		000-255	0 ~ 100%	
10	White 1		000-255	0 ~ 100%	
11	Red 2		000-255	0 ~ 100%	
12	Green 2		000-255	0 ~ 100%	
13	Blue 2		000-255	0 ~ 100%	
14	White 2		000-255	0 ~ 100%	
15	Red 3		000-255	0 ~ 100%	
16	Green 3		000-255	0 ~ 100%	
17	Blue 3		000-255	0 ~ 100%	
18	White 3		000-255	0 ~ 100%	
...		000-255	0 ~ 100%	
...		000-255	0 ~ 100%	
232	Red 47		000-255	0 ~ 100%	
233	Green 47		000-255	0 ~ 100%	
234	Blue 47		000-255	0 ~ 100%	
235	White 47		000-255	0 ~ 100%	
236	Red 48		000-255	0 ~ 100%	
237	Green 48		000-255	0 ~ 100%	
238	Blue 48		000-255	0 ~ 100%	
239	White 48		000-255	0 ~ 100%	
240	Red 49		000-255	0 ~ 100%	
241	Green 49		000-255	0 ~ 100%	
242	Blue 49		000-255	0 ~ 100%	
243	White 49		000-255	0 ~ 100%	
244	Warm White 1		000-255	0 ~ 100%	
245	Warm White 2		000-255	0 ~ 100%	
246	Warm White 3		000-255	0 ~ 100%	
247	Warm White 4		000-255	0 ~ 100%	
248	Warm White 5		000-255	0 ~ 100%	
249	Warm White 7		000-255	0 ~ 100%	
250	Warm White 8		000-255	0 ~ 100%	
251	Warm White 9		000-255	0 ~ 100%	
252	Strobe		000-010	No Function	
			011-255	Strobe Slow to Fast	

1813CH			Function	Value	Percent/Setting
Art-Net	Art-Net+DMX		/	/	/
Art-Net	Art-Net	DMX	/	/	/
1	1		Red 1	000-255	0 ~ 100%
2	2		Green 1	000-255	0 ~ 100%
3	3		Blue 1	000-255	0 ~ 100%
4	4		White 1	000-255	0 ~ 100%

5	5		Red 2	000-255	0~100%
6	6		Green 2	000-255	0~100%
7	7		Blue 2	000-255	0~100%
8	8		White 2	000-255	0~100%
...
1757	1757		Red 440	000-255	0~100%
1758	1758		Green 440	000-255	0~100%
1759	1759		Blue 440	000-255	0~100%
1760	1760		White 440	000-255	0~100%
1761	1761		Red 441	000-255	0~100%
1762	1762		Green 441	000-255	0~100%
1763	1763		Blue 441	000-255	0~100%
1764	1764		White 441	000-255	0~100%
1765		1	Warm White 1	000-255	0~100%
1766		2	Warm White 2	000-255	0~100%
...	
1812		48	Warm White 8	000-255	0~100%
1813		49	Warm White 8	000-255	0~100%

1817CH			Function	Value	Percent/Setting
Art-Net	Art-Net+DMX		/	/	/
Art-Net	Art-Net	DMX	/	/	/
1	1		Red 1	000-255	0~100%
2	2		Green 1	000-255	0~100%
3	3		Blue 1	000-255	0~100%
4	4		White 1	000-255	0~100%
5	5		Red 2	000-255	0~100%
6	6		Green 2	000-255	0~100%
7	7		Blue 2	000-255	0~100%
8	8		White 2	000-255	0~100%
...
1757	1757		Red 440	000-255	0~100%
1758	1758		Green 440	000-255	0~100%
1759	1759		Blue 440	000-255	0~100%
1760	1760		White 440	000-255	0~100%
1761	1761		Red 441	000-255	0~100%
1762	1762		Green 441	000-255	0~100%
1763	1763		Blue 441	000-255	0~100%
1764	1764		White 441	000-255	0~100%
1765		1	Warm White 1	000-255	0~100%
1766		2	Warm White 2	000-255	0~100%
...	
1812		48	Warm White 8	000-255	0~100%
1813		49	Warm White 8	000-255	0~100%
1814		50	Master Dimmer	000-255	0~100%
1815		51	RGBW Dimmer	000-255	0~100%
1816		52	VW Dimmer	000-255	0~100%
1817		53	Control (Hold 3 Seconds)	000-007	No function
				008-015	Dimmer Reset
				016-023	Red Shift: ON
				024-031	Red Shift: OFF
				032-039	Dimmer: S-Curve
				040-047	Dimmer: Linear
				048-055	Dimmer: Square
				056-063	Dimmer: Inverse Square
064-071	Dimmer speed mode off				

				072-079	Dimmer speed mode1
				080-087	Dimmer speed mode2
				088-095	Dimmer speed mode3
				096-103	Pixel Flipping:Normal
				104-111	Pixel Flipping:Flip Right 90°
				112-119	Pixel Flipping:Flip Right 180°
				120-127	Pixel Flipping:Flip Right 270°
				128-255	Future Use (No Function)

1825CH			Function	Value	Percent/Setting
Art-Net	Art-Net+DMX		/	/	/
Art-Net	Art-Net	DMX	/	/	/
1	1		Red 1	000-255	0 ~ 100%
2	2		Green 1	000-255	0 ~ 100%
3	3		Blue 1	000-255	0 ~ 100%
4	4		White 1	000-255	0 ~ 100%
5	5		Red 2	000-255	0 ~ 100%
6	6		Green 2	000-255	0 ~ 100%
7	7		Blue 2	000-255	0 ~ 100%
8	8		White 2	000-255	0 ~ 100%
...
1757	1757		Red 440	000-255	0 ~ 100%
1758	1758		Green 440	000-255	0 ~ 100%
1759	1759		Blue 440	000-255	0 ~ 100%
1760	1760		White 440	000-255	0 ~ 100%
1761	1761		Red 441	000-255	0 ~ 100%
1762	1762		Green 441	000-255	0 ~ 100%
1763	1763		Blue 441	000-255	0 ~ 100%
1764	1764		White 441	000-255	0 ~ 100%
1765		1	Warm White 1	000-255	0 ~ 100%
1766		2	Warm White 2	000-255	0 ~ 100%
...	
1812		48	Warm White 8	000-255	0 ~ 100%
1813		49	Warm White 8	000-255	0 ~ 100%
1814		50	Master Dimmer	000-255	0 ~ 100%
1815		51	Master Dimmer Fine	000-255	0 ~ 100%
1816		52	RGBW Dimmer	000-255	0 ~ 100%
1817		53	RGBW Dimmer Fine	000-255	0 ~ 100%
1818		54	VW Dimmer	000-255	0 ~ 100%
1819		55	VW Dimmer Fine	000-255	0 ~ 100%
1820		56	Strobe	000-010	No Function
				011-255	Strobe Slow to Fast
1821		57	Fixed Color	000-005	No Function
				006-013	R
				014-021	G
				022-029	B
				030-037	W
				038-045	VW
				046-053	RG
				054-061	RB
				062-069	RW
				070-077	R-VW
				078-085	GB
				086-093	GW
094-101	G-VW				
102-109	BW				

				110-117	B-WW
				118-125	W-WW
				126-133	RGB
				134-141	RGW
				142-149	RG-WW
				150-157	RBW
				158-165	RB-WW
				166-173	RW-WW
				174-181	GBW
				182-189	GB-WW
				190-197	BW-WW
				198-205	RGBW
				206-213	RGB-WW
				214-221	GBW-WW
				222-229	RBW-WW
				230-237	RGBW-WW
				238-255	No Function
1822		58	Color Temperature	000-005	No Function
				006-018	2700K
				019-031	2800K
				032-044	3000K
				045-057	3200K
				058-070	3500K
				071-083	4000K
1822		58	Color Temperature	084-096	4500K
				097-109	5000K
				110-122	5600K
				123-135	6000K
				136-148	6500K
				149-161	7000k
				162-174	7500K
				175-187	8000K
				188-200	8500K
				201-213	9000K
				214-226	9500K
				227-239	10000K
				240-255	No Function
1823		59	Auto programs	No Function	No Function
				011-040	Auto Program 1
				041-080	Auto Program 2
				081-120	Auto Program 3
				121-160	Auto Program 4
				161-200	Auto Program 5
				201-240	Auto Program 6
				241-255	No Function
1824		60	Auto speed	000-255	Auto speed slow to fast
1825		61	Control (Hold 3 Seconds)	000-007	No function
				008-015	Dimmer Reset
				016-023	Red Shift: ON
				024-031	Red Shift: OFF
				032-039	Dimmer: S-Curve
				040-047	Dimmer: Linear
				048-055	Dimmer: Square
				056-063	Dimmer: Inverse Square
				064-071	Dimmer speed mode off
				072-079	Dimmer speed mode1
				080-087	Dimmer speed mode2

				088-095	Dimmer speed mode3
				096-103	Pixel Flipping:Normal
				104-111	Pixel Flipping:Flip Right 90°
				112-119	Pixel Flipping:Flip Right 180°
				120-127	Pixel Flipping:Flip Right 270°
				128-255	Future Use (No Function)

HSV	Function	Value	Percent/Setting	Function	
1	Hue	000-255	0 ~ 100%	Chroma	
2	Saturati	000-255	0 ~ 100%	Saturation	
3	Value	000-255	0 ~ 100%	Purity	

Channel priority: Dimmer > Built-in Program Call > User Program Call > ARGBW Dimmer > HSV Dimmer > Macro Instruction > Color temperature

Maintenance

In order to extend the service life of the lamp, the maintenance of the lamp is very necessary. The outdoor use environment is harsh, or the lamp will be placed for a long time

The lens cover, the lamp shell and other parts accumulate moisture, dust, at this time need to clean the lamp to optimize the light effect output, but also to prevent dust and acid

The gas corrodes the shell.

The cleaning frequency depends on the operation frequency of the lamp and the surrounding use environment. When cleaning with a soft cloth and general glass cleaning products to carefully wipe, it is recommended

Clean at least once every 20 days.

Do not wipe the luminaires housing with organic solvents such as alcohol to avoid damage.

General Troubleshooting

Fault phenomena	Cause of the fault	Handling method
No menu display	<ol style="list-style-type: none"> 1. No AC input 2. The switching power supply is damaged 3. The display board is faulty 	<ol style="list-style-type: none"> 1. Check the power supply line 2. Check whether the switching power supply has voltage output 3. Replace the display board
No DMX signal is being received	<ol style="list-style-type: none"> 1. The DMX signal cable is faulty 2. The sequence of connecting signal cables is incorrect 	<ol style="list-style-type: none"> 1. Check or replace the signal cable 2. Check the wiring sequence of signal cables 3. Check that the display board signal accepts IC and

	<p>3. The receiving signal IC at the signal input terminal is damaged</p> <p>4. DMX address code setup and console</p> <p>The corresponding control does not match</p> <p>5. Other parameters are incorrectly set</p> <p>6. Do not press the confirm button after entering the menu</p> <p>Or Esc key exit to the main menu</p>	<p>The two resistors strung along the signal line are open</p> <p>4. Check or reset the address code</p> <p>Or restore the factory Settings and test again</p> <p>5 Press Esc to exit to the main menu</p>
<p>The light body surface temperature is over 75°</p> <p>Cannot be protected by temperature control</p>	<p>1. The thermistor on the LED lamp bead board is faulty</p> <p>2. The temperature control circuit on the display board is faulty</p>	<p>1. Replace the thermistor</p> <p>2 Check the temperature control circuit on the motherboard</p>
<p>The cast light does not mix evenly</p> <p>Uneven color spots</p>	<p>1. LED welding is not correct</p> <p>2. The lens or bracket is not properly mounted</p>	<p>1. Check the LED bead welding condition</p> <p>2. Check the lens assembly process,</p> <p>Adjust the assembly direction of the bracket</p>
<p>The light bead does not shine or flickers a little</p>	<p>The LED is damaged or the driver board has no current output</p>	<p>1. Replace the LED light bead</p> <p>2 Replace the damaged LED</p> <p>Or check the driver circuit</p> <p>3 Replace the corresponding driver IC</p>
<p>Parameters are not saved</p>	<p>The IC used to store the parameters is damaged</p>	<p>Replace the storage IC</p>
<p>The whole light is powered on and does not work</p>	<p>When the temperature is too high, temperature control protection is caused</p> <p>Switching power supply overtemperature protection does not work</p>	<p>Let the lamp body cool before turning it on</p>

Lamp parameters

Technical parameter sheet:

Optical parameters:	
Light Source	RGBW: 882W+WW: 490W; LED
Illumination	RGBW: @1 m Lux6170; @3m Lux434; @5m Lux276; @7m Lux142;

	WW: @5m Lux36520; @10m Lux26880; @15m Lux16000; @20m Lux9000; @25m Lux5900;
temperature	WW: 2800K RGBW: 3000K RGBW: 2700K-10000K ($\pm 100K$)
Optical system	Reflectors with composite eye lenses
Color rendering index	Ra \geq 83
Master wavelength	R:626nm/G:533nm/B:457nm/W:585nm/WW:585nm
Light source life	20,000 hours
Beam Angle	WW:2.5° RGBW:105°
Flooding Angle	WW: 4.8° RGBW: 147°
Pixel Matrix	Single point control, overall control
Stroboscopic	0 to 25Hz
Power supply parameters:	
Input voltage and frequency	100 to 240V/AC, 50 to 60Hz
Power connection	Urelink waterproof power cord input/output, maximum number of connections 3 @230V
Signal connection	Three core/five core waterproof signal adapter input/output, the maximum number of connections 32 sets
Network connection	Urelink network input, output
Power	Static RGBW: 500W@230V WW: 360W@230V Stroboscopic full on: 1200W@230V RGBW: 800W@230V
Power factor	0.95/230 v
Working environment	-15 ~ 45°C
Structural parameters:	
Dimensions	Product size: 500*500*116.5mm
weight	Net weight: 14 kg
Level of protection	IP65
Cooling system	Natural heat dissipation
Enclosure	Magnesium aluminum alloy, black (customizable color)
Installation method	Vertical hanging installation, side hanging installation, unlimited splicing installation
Controls:	
Control mode	DMX512/RDM/Art-Net/SACN
DMX channel	1CH/5CH/7CH/10CH/12CH/13CH/16CH/252CH/1813CH/1817CH/1825CH/HSV
Display	1.77" TFT display with 4 light touch keys
Refresh frequency	600Hz/1200Hz/2000Hz/4000Hz/6000Hz/25000Hz
Dimming mode	Dimmer 1/ Dimmer Mode 1/ Dimmer 2 Dimmer Mode 2 /Dimmer 3 Dimmer mode 3
Dimmer curve selection	S-Curve/ S-shaped curve /Linear Linear curve /Square exponential curve /Inverse Square logarithmic curve

Accessories:	
Standard	Eurospec waterproof power cord 1PCS; Manual 1PCS

Outline dimensions drawing

