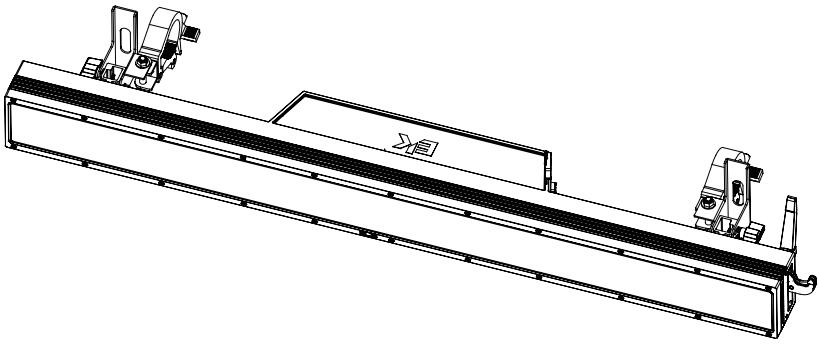


Radiant Bar 1000

USER MANUAL

CONTENT

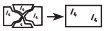
1.SAFETY GUIDE

The products are packed in good condition when leaving factory. Please operate according to the user manual. Machine failure caused by human factors is not covered by the warranty.

When electrical equipment is in operation, be careful of electric shock and do not touch it!

Do not look directly at the light source to avoid damage to your eyes.

To protect environment, please dispose of/recycle the product according to local regulations at the end of its life.



NOTE: Replace any screen that is cracked.

● The light source in this luminaire shall be replaced by the manufacturer, its service agent or a similarly qualified person. If the external flexible cable or cord of this luminaire is damaged, the cord shall be replaced by a qualified person of the manufacturer or its service agent to avoid a hazard.

● After receiving the lamp, please check whether there is any damage caused by transportation. If there is any damage, do not use the lamp and contact the supplier or manufacturer immediately.

● The lamp should be installed in a well-ventilated place, at least 50cm away from the wall, and check whether the ventilation holes are unobstructed.

● Please do not open the lamp to repair it yourself.

● Electrical connections must be made by qualified installers.

● Each lamp should be safely grounded and the electrical installation should be carried out in accordance with relevant standards.

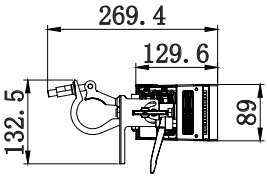
● Do not use a power cord with damaged insulation, and do not place the power cord on other wires. When the lamp is not in use or is being cleaned, unplug the power cord. Do not unplug or pull the power cord forcefully or directly.

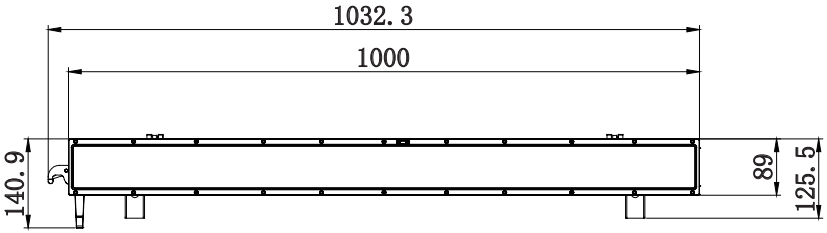
● After working at full power for 10 minutes, the surface temperature of the lamp is about 40 degrees. After stable operation, the surface temperature of the lamp should be around 70 degrees.

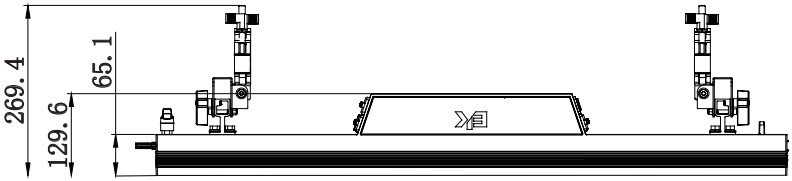
● There are no user-serviceable parts inside this lamp. Before operating the lamp, please check that all parts are well connected and the screws are secure.

● If you have any questions, please contact the supplier or manufacturer in time.

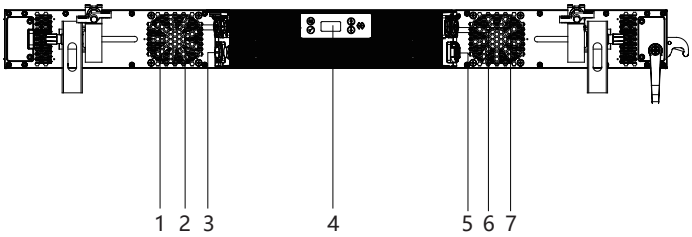
2. DIMENSION







3. OVERVIEW



1/7.Artnet

2.DMX In

3. Power In

4. Display

5. Power Out

6.DMX Out

DISPLAY PANEL BUTTON FUNCTION DESCRIPTION

Control Panel	Illustration	Description	Function
MENU	Menu Option	Enter Menu	Menu Operation
▲	Up	Scroll Up	Increase Numberic Value
▼	down	Scroll Down	Decrease Numberic Value
√	Confirm	Confirm	Save Setting

INITIALIZATION: MENU+ √

IF YOU WANT TO FLIP THE DISPLAY, HOLD UP + DOWN BUTTONS FOR 3SECONDS TO SET DISPLAY ORIENTATION.

WI THOU T E X TE R NA L P OWE R S OUR CE , L ONG P R ES S T H E R I GH T B UT TO N F O R 3 S ECONDS , E NTE R T HE

MENU TO SET PARAMETERS

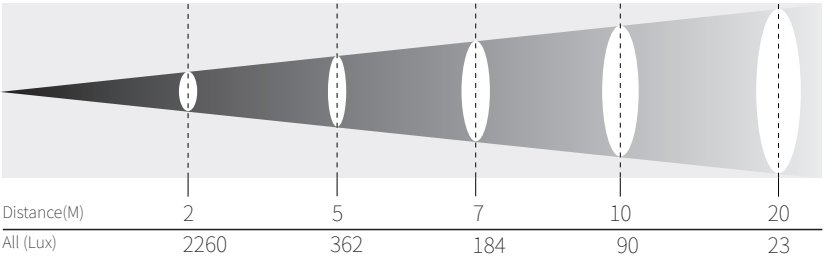
4. LITHING PARAMETERS

4.1 TECHNICAL PARAMETERS

Radiant Bar 1000	
PHOTOMETRICS	
Light Source	1260W RGBWW 4-in-1 LED
CCT	1800K-10000K
Output	Static ALL:14136Lm Strobe Peak Value：87631 lm
Illumination	Static ALL:1440Lux@2m
CRI	RA ＞ 90
R9	R9 ＞ 90
DUV	± 0.002
Main Wave length	R:621nm G:528nm B:453nm
TLCI	＞ 85
LED Lifespan	30000 hour
Beam Angle	135°
Field Angle	163.5°
KEY FEATURE	
Color System	RGBW color mixing
Pixel Matrix	16*3
Strobe	1 ～ 30Hz
Dimmer	4 dimming curves，0 ～ 100% dimming
POWER	
Mains	100V-240V, 50/60Hz, 2.3A-5A
Consumption	500W
Power Connection	5pcs@230V;2pcs@120V
DMX Connection	DMX In/Out, linking up to 32pcs
Power Factor	0.91/230V；0.98/120V
Ambient	-20°C～ 45°C
Power Supply	100 ～ 240VAC，50 ～ 60Hz,V1DC38V*13.2A=500W
PHYSICAL	
Dimension	1000*130*155mm
Weight	8Kg
IP rating	IP66
Cooling System	IP low noise fan
Housing	Magnesium alloy; matte black finish
Optional Accessory	Diffusor
CONTROL	
Protocol	DMX512/Art-Net
DMX Channel	Basic(4CH/5CH/192CH/12CH), Pixel(12CH/40CH/74CH/104CH/200CH), Advanced(21CH/209CH/33CH/221CH)
Diaplay	1.3 inch OLED display
Refresh Rate	1KHz.4KHz.6KHz.25KHz.2KHz

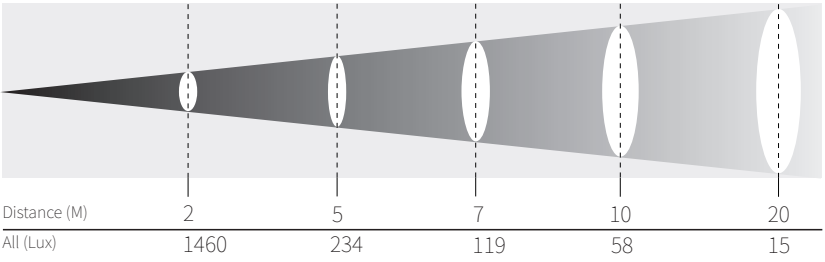
4.2 PHOTOMETRICS

Beam Angle： 135° (cold engine)



Distance(M)	2	5	7	10	20
All (Lux)	2260	362	184	90	23

Beam Angle： 135° (heat engine)



Distance (M)	2	5	7	10	20
All (Lux)	1460	234	119	58	15

5.MENU

\	Main Menu	Menu level 2	Menu level 3	Menu level 4	Menu level 5
1	DMX Setting	DMX Address	1~512		
		DMX Channel	Basic	STATIC	
				STROBE	R=0~255
					G=0~255
					B=0~255
					W=0~255
				PIXEL	
				RGBW STROBE	
			Pixels	PIXELS48	
				PIXELS16	
				PIXELS24	
				PIXELS8	
				PIXELS 1	
			Advanced	ADVANCED 1	
				ADVANCED 2	
				ADVANCED 3	
				ADVANCED 4	
2	Protocol	DMX			
		Artnet			
		sACN			
		Artnet+DMX			
		sACN+DMX			
3	Ethernet Setting	IP Address	xxx.xxx.xxx.xxx		
		Artnet Universe	0-32767		
		sACN Universe	1-63999		
		Start Address	1-512		
		Net To DMX	Off		
			On		
4	Stand Alone	Master/Slave	Slave		
			Master		
		Color Macros	Fixed Color	R	
				G	
				B	
				W	
				GB	
				RB	
				RG	

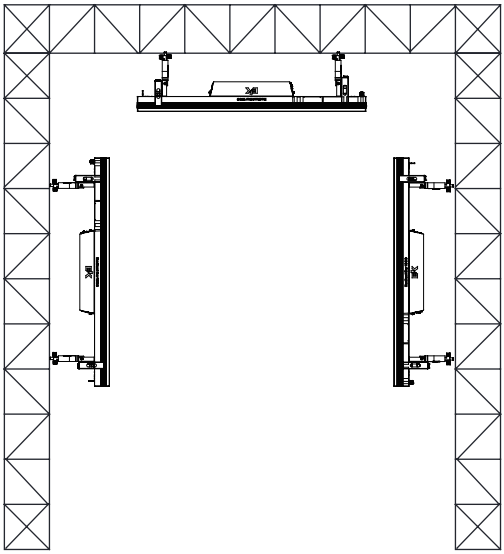
4	Stand Alone	Color Macros	Fixed Color	RW	
				GW	
				BW	
				RGB	
				RGW	
				RBW	
				GBW	
				RGBW	
			Color Temperature	2000K	
				2800K	
				3000K	
				3200K	
				3500K	
				4000K	
				4500K	
				5000K	
				5600K	
				6000K	
				6500K	
				7000K	
				7500K	
				8000K	
				8500K	
				9000K	
				9500K	
				10000K	
			Manual Color	Red	0~255
				Green	0~255
				Blue	0~255
				White	0~255
		Auto Show	Show 1	Speed	1~100
			Show 2		
			Show 3		
			Show 4	Foreground	BLACK R G B W GB RB RG RW GW BW RGB RGW RBW GBW RGBW
			Show 5		
			Show 6		
			Show 7	Background	
			Show 8		
			Show 9		
			Show 10	Fade Speed	1~255
			Show 11		
			...		
			Show 23		
		Frost	0~255		

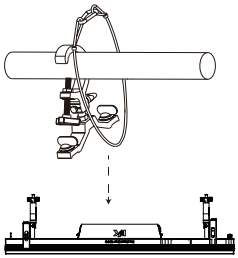
5	Settings	Dimmer Setting	Dimmer Mode	Off	
				Dimmer 1	
				Dimmer 2	
				Dimmer 3	
				Auto	
			Dimmer Curve	S Curve	
				Linear	
				Square	
				Inverse Square	
		LED Setting	LED Frequency	1000Hz	
				2000Hz	
				4000Hz	
				6000Hz	
				25KHz	
			Invert Mapping	No	
				Yes	
		Fan Mode	Auto		
			On		
			Off		
			Silent		
			ECO		
		Display Setting	Back Light	30S	
				On	
			Flip Display	No	
				Yes	
				Auto	
			Key Lock	No	
				Yes	
		DMX FAULT	HOLD		
			BLACKOUT		
			STAND ALONE		
			EMERGENCY		
6	Advanced	Code:xxx	Color Calibration	Off	
				User Calibration	Red
					Green
					Blue
					White
			Factory Reset	No	
				Yes	

7	Information	Fixture Hours	0~65535H		
		Led Hours	0~65535H		
		Version	DISP-V1.x		
			DRV-V1.x		
			.....		
		Temperature	LED1：40℃		
			.....		
			LED6：40℃		
			Display：40℃		
		Fan Speed	xxx%		
		UID:	**********		
		Error			

6.INSTALLATION

6.1Install instructions and precautions



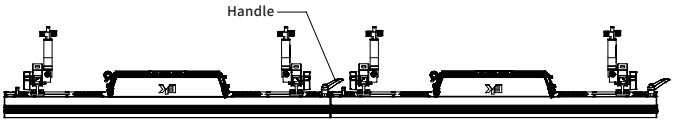


Installation should be performed by qualified personnel and should be done away from pedestrian paths, seating areas, or areas where unauthorized personnel might reach the luminaire. Never stand directly under the luminaire during assembly, disassembly, or maintenance. When installing the luminaire, ensure it is securely fastened to prevent it from vibrating and falling during operation. Ensure that the structure holding the luminaire can support ten times its weight without deformation. When installing the luminaire, use a safety cable capable of supporting twelve times its weight to prevent it from falling if the fixture fails.

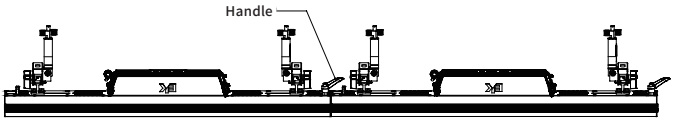
This fixture is fully operational in 2 different mounting positions: hanging upside down, or placed on a flat, horizontal surface. Always use and install a safety cable as a safety measure to prevent accidental damage to the fixture or personal injury in the event of fixture failure.

6.2 Combination Instruction

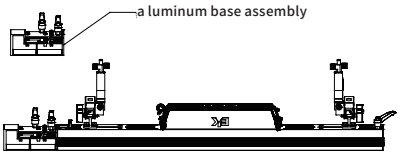
1. Place the handle side of one lighting fixture to the nut side of the other lighting fixture



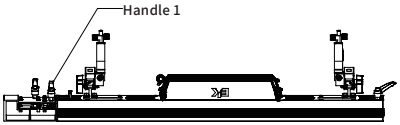
2. Turn the handle to lock two lighting fixtures, and finish vertical combination



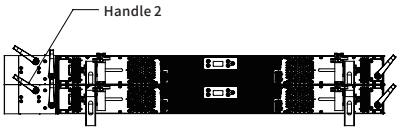
1. Place the handle side of aluminum base assembly to the nut side of the lighting fixture



2. Turn the handle 1 of aluminum base assembly to lock the lighting fixture togeth



3. Place 2 lighting fixtures with aluminum base assembly side by side in same direction, and turn the handle 2 to lock them and finish the horizontal combination

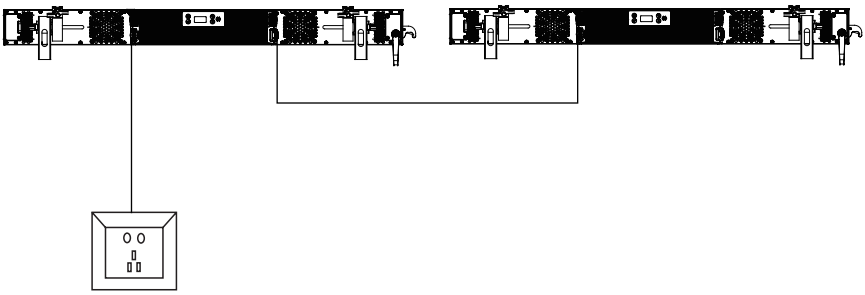


6.3Hanging installation

1.When installing the device, be sure to keep it away from flammable items (decorative materials, etc.), keeping a distance of at least 0.5 meters.
2. When hanging, be sure to install a safety rope with a load-bearing capacity of at least 10 times the weight of the lamp.
3.When hanging, the device for fixing the lamp must use a mounting bracket that can bear at least 10 times the weight of the lamp.
4.The maximum hanging quantity without the assistance is 3 units.
5.As shown in the figure, the safety rope needs to pass through the safety rope hole of the lamp and the mounting bracket to ensure that the structure connected to the lamp is firm.

7.CONNECTION

7.1 POWER CONNECTION



Power connection instructions

Power In

Power out

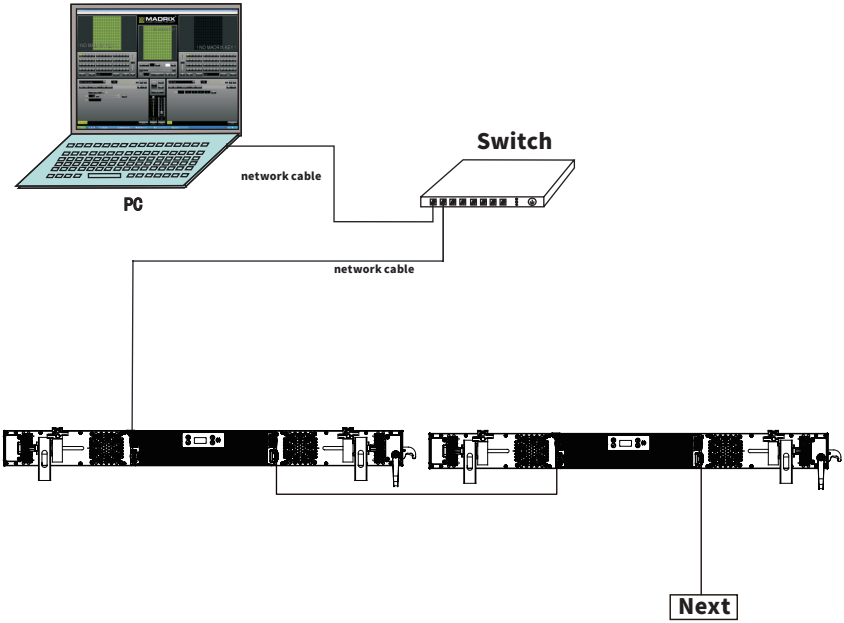
This product uses a Powercon in single connection power cord
Note: Due to power reasons, a 1.5mm^2 power cord can only support up to 7 units (230V), or 2 units (120V)

Warning

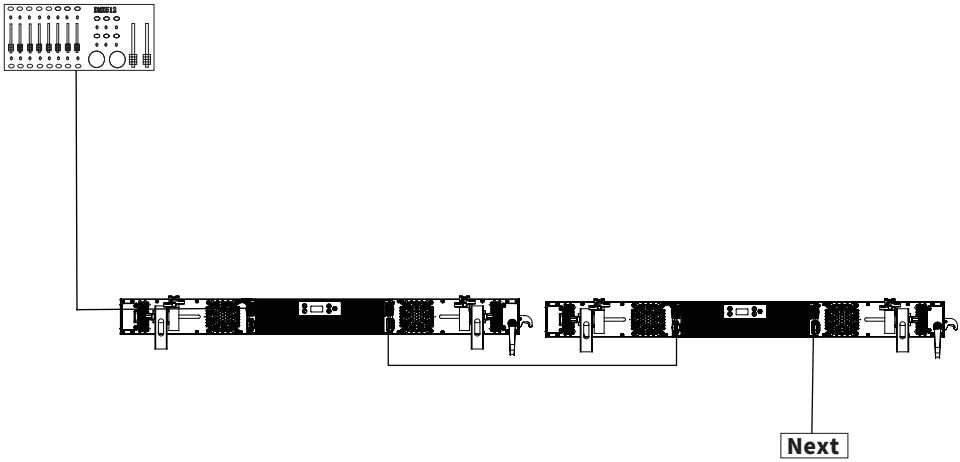
Do not connect too many lamps to a single power cord or overload it.
Do not use a power cord with damaged insulation, and do not place the power cord over other wires.
When the lamp is not in use or is being cleaned, please unplug the power cord.
Do not pull the power cord with force or pull it directly.

7.2 SIGNAL CONNECTION

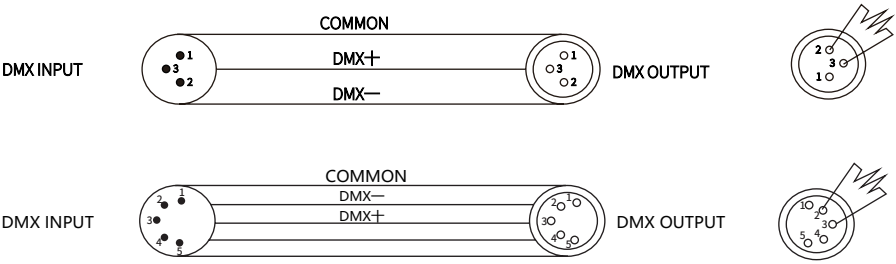
Network connection



DMX Connection



DMX CONNECTION INSTRUCTIONS



- In order to reduce signal errors and avoid signal attenuation and interference during transmission, you can add a 120 ohm 1/4W resistor between the 2nd and 3rd pins of the DMX output terminal of the last machine.
- Connect the fixtures with XLR cables, connecting one end to the output port of one fixture and the other end to the input port of the next fixture. Cables should only be used in series, not in parallel. Because DMX512 signals transmit very quickly, damage to the cable, loose solder joints, or poor contact can affect signal transmission and cause the system to shut down.
- When the power supply of a unit is cut off, the DMX output and input connections are bypassed to maintain the connectivity of the DMX line.
- Each lamp must have an address code to receive information from the console.
- The terminal of the DMX512 system needs to be equipped with a terminator to reduce errors in signal transmission.

DMX Address code setting

MODE	Allocation	Address of 1st fixture	Address of 2nd fixture	Address of 1rd fixture
ADVANCED 1	001 -015	001	016	031
ADVANCED 2	001 -251	001	252	503
ADVANCED 3	001 -027	001	028	055
ADVANCED 4	001 -263	001	264	

(Refer to the f igure above) The number of lamps added af ter the 3rd one; the address code is based on the channel, and so on.

8. DMX CHART

BASIC - STATIC				
Channel	**Function**	**Value**	**Percent/Setting**	**Remark**
1	Red	000-255	Red intensity	
2	Green	000-255	Green intensity	
3	Blue	000-255	Blue intensity	
4	White	000-255	White intensity	
5	FROST	000-255	Electronic Frost 0% to 100%	
6	CONTROL(Hold 3 Second)	000-005	None	
		006-010	Dimmer Mode Off	
		011-015	Dimmer Mode 1	
		016-020	Dimmer Mode 2	
		021-025	Dimmer Mode 3	
		026-030	Dimmer Mode Auto	
		031-035	Dimmer curve S	
		036-040	Dimmer curve Linear	
		041-045	Dimmer curve Square	
		046-050	Dimmer curve Inverse Square	
		051-055	Led Frequency=1000Hz	
		056-060	Led Frequency=2000Hz	
		061-065	Led Frequency=4000Hz	
		066-070	Led Frequency=6000Hz	
		071-075	Led Frequency=25000Hz	
		076-080	Fan Mode Auto	
		081-085	Fan Mode On	
		086-090	Fan Mode Off	
		091-095	Fan Mode Silent	
		096-100	Fan Mode Eco	
		101-105	Invert Mapping Off	
		106-110	Invert Mapping On	
		111-250	RESERVED	
		251-255	Complete Reset	
BASIC - STROBE (color could be choosed by menu)				
Channel	**Function**	**Value**	**Percent/Setting**	**Remark**
1	DIMMER	000-255	Minimum to maximum	
2	DIMMER FINE	000-255	Minimum to maximum	
3	FLASH DURATION	000-255	15ms-990ms	
4	FLASH RATE	000-010	No Flash	
		011-255	Strobe slow to fast	
5	FLASH FX	000-002	No Effect	
		003-005	Static	If selected, the fixture will works as wash, only dimmer control.
		006-042	Ramp up	
		043-085	Ramp down	
		086-128	Ramp up-down	
		129-171	Random	
		172-214	Lightning	
		215-255	Spikes	
6	FROST	000-255	Electronic Frost 0% to 100%	

7	CONTROL(Hold 3 Second)	000-005	None	
		006-010	Dimmer Mode Off	
		011-015	Dimmer Mode 1	
		016-020	Dimmer Mode 2	
		021-025	Dimmer Mode 3	
		026-030	Dimmer Mode Auto	
		031-035	Dimmer curve S	
		036-040	Dimmer curve Linear	
		041-045	Dimmer curve Square	
		046-050	Dimmer curve Inverse Square	
		051-055	Led Frequency=1000Hz	
		056-060	Led Frequency=2000Hz	
		061-065	Led Frequency=4000Hz	
		066-070	Led Frequency=6000Hz	
		071-075	Led Frequency=25000Hz	
		076-080	Fan Mode Auto	
		081-085	Fan Mode On	
		086-090	Fan Mode Off	
7	CONTROL(Hold 3 Second)	091-095	Fan Mode Silent	
		096-100	Fan Mode Eco	
		101-105	Invert Mapping Off	
		106-110	Invert Mapping On	
		111-250	RESERVED	
		251-255	Complete Reset	
BASIC - PIXEL				
Channel	Function	Value	Percent/Setting	Remark
1	PIXEL 1 RED	000-255	Red intensity	
2	PIXEL 1 GREEN	000-255	Green intensity	
3	PIXEL 1 BLUE	000-255	Blue intensity	
4	PIXEL 1 WHITE	000-255	White intensity	
	...			
189	PIXEL 48 RED	000-255	Red intensity	
190	PIXEL 48 GREEN	000-255	Green intensity	
191	PIXEL 48 BLUE	000-255	Blue intensity	
192	PIXEL 48 WHITE	000-255	White intensity	
193	FROST	000-255	Electronic Frost 0% to 100%	
194	CONTROL(Hold 3 Second)	000-005	None	
		006-010	Dimmer Mode Off	
		011-015	Dimmer Mode 1	
		016-020	Dimmer Mode 2	
		021-025	Dimmer Mode 3	
		026-030	Dimmer Mode Auto	
		031-035	Dimmer curve S	
		036-040	Dimmer curve Linear	
		041-045	Dimmer curve Square	
		046-050	Dimmer curve Inverse Square	
		051-055	Led Frequency=1000Hz	
		056-060	Led Frequency=2000Hz	
		061-065	Led Frequency=4000Hz	
		066-070	Led Frequency=6000Hz	
		071-075	Led Frequency=25000Hz	
		076-080	Fan Mode Auto	

194	CONTROL(Hold 3 Second)	081-085	Fan Mode On	
		086-090	Fan Mode Off	
		091-095	Fan Mode Silent	
		096-100	Fan Mode Eco	
		101-105	Invert Mapping Off	
		106-110	Invert Mapping On	
		111-250	RESERVED	
		251-255	Complete Reset	
BASIC - RGBW STROBE				
Channel	Function	Value	Percent/Setting	Remark
1	RED	000-255	Red intensity	
2	GREEN	000-255	Green intensity	
3	BLUE	000-255	Blue intensity	
4	WHITE	000-255	White intensity	
5	CCT	000-255	Color Temperature	
6	TINT	000-255		
7	CROSSFADE	000-255		
8	DIMMER	000-255	Minimum to maximum	
9	DIMMER FINE	000-255	Minimum to maximum	
10	FLASH DURATION	000-255	15ms-990ms	
11	FLASH RATE	000-010	No Flash	
		011-255	Strobe slow to fast	
12	FLASH FX	000-002	No Effect	
		003-005	Static	If selected, works as wash, only dimmer and color control.
		006-042	Ramp up	
		043-085	Ramp down	
		086-128	Ramp up-down	
		129-171	Random	
		172-214	Lightning	
		215-255	Spikes	
13	FROST	000-255	Electronic Frost 0% to 100%	
14	CONTROL(Hold 3 Second)	000-005	None	
		006-010	Dimmer Mode Off	
		011-015	Dimmer Mode 1	
		016-020	Dimmer Mode 2	
		021-025	Dimmer Mode 3	
		026-030	Dimmer Mode Auto	
		031-035	Dimmer curve S	

14	CONTROL(Hold 3 Second)	036-040	Dimmer curve Linear	
		041-045	Dimmer curve Square	
		046-050	Dimmer curve Inverse Square	
		051-055	Led Frequency=1000Hz	
		056-060	Led Frequency=2000Hz	
		061-065	Led Frequency=4000Hz	
		066-070	Led Frequency=6000Hz	
		071-075	Led Frequency=25000Hz	
		076-080	Fan Mode Auto	
		081-085	Fan Mode On	
		086-090	Fan Mode Off	
		091-095	Fan Mode Silent	
		096-100	Fan Mode Eco	

14	CONTROL(Hold 3 Second)	101-105	Invert Mapping Off	
		106-110	Invert Mapping On	
		111-250	RESERVED	
		251-255	Complete Reset	

PIXELS - PIXELS							
PIXEL	DMX	Art-net+DMX		Function	Value	Percent/Setting	Remark
MODE	Artnet	Artnet	DMX				
	1	/	1	DIMMER	000-255	Minimun to maximum	
	2	/	2	DIMMER FINE	000-255	Minimun to maximum	
	3	/	3	FLASH DURATION	000-255	15ms-990ms	
	4	/	4	FLASH RATE	000-010	No Flash	Single flash with ch 1
					011-255	Strobe slow to fast	
	5	/	5	FLASH FX	000-002	No Effect	
					003-005	Static	If selected, the fixture will works as wash, only dimmer control.
					006-042	Ramp up	
	5	/	5	FLASH FX	043-085	Ramp down	
					086-128	Ramp up-down	
					129-171	Random	
					172-214	Lightning	
					215-255	Spikes	
	6	/	6	CCT	000-255	Color Temperature	
	7	/	7	TINT	000-255		
	8	/	8	CROSSFADE	000-255		
	9	/	9	FROST	000-255	Electronic Frost 0% to 100%	
	10	/	10	CONTROL(Hold 3 Second)	000-005	None	
					006-010	Dimmer Mode Off	
					011-015	Dimmer Mode 1	
					016-020	Dimmer Mode 2	
					021-025	Dimmer Mode 3	
					026-030	Dimmer Mode Auto	
					031-035	Dimmer curve S	
					036-040	Dimmer curve Linear	
					041-045	Dimmer curve Square	
					046-050	Dimmer curve Inverse Square	
					051-055	Led Frequency=1000Hz	
					056-060	Led Frequency=2000Hz	
					061-065	Led Frequency=4000Hz	
					066-070	Led Frequency=6000Hz	
					071-075	Led Frequency=25000Hz	
					076-080	Fan Mode Auto	
					081-085	Fan Mode On	
					086-090	Fan Mode Off	
					091-095	Fan Mode Silent	
					096-100	Fan Mode Eco	
					101-105	Invert Mapping Off	
					106-110	Invert Mapping On	
					111-250	RESERVED	

	10	/	10	CONTROL(Hold 3 Second)		251-255	Complete Reset	
1	11	1	/	PIXEL 1	RED	000-255	Red intensity	
	12	2	/		GREEN	000-255	Green intensity	
	13	3	/		BLUE	000-255	Blue intensity	
	14	4	/		WHITE	000-255	White intensity	
8	15	5	/	PIXEL 8	RED	000-255	Red intensity	
	16	6	/		GREEN	000-255	Green intensity	
	17	7	/		BLUE	000-255	Blue intensity	
	18	8	/		WHITE	000-255	White intensity	
	19	9	/		RED	000-255	Red intensity	
	20	10	/		GREEN	000-255	Green intensity	
	21	11	/		BLUE	000-255	Blue intensity	
	22	12	/		WHITE	000-255	White intensity	
	23	13	/		RED	000-255	Red intensity	
	24	14	/		GREEN	000-255	Green intensity	
	25	15	/		BLUE	000-255	Blue intensity	
	26	16	/		WHITE	000-255	White intensity	
	27	17	/		RED	000-255	Red intensity	
	28	18	/		GREEN	000-255	Green intensity	
	29	19	/		BLUE	000-255	Blue intensity	
	30	20	/		WHITE	000-255	White intensity	
	31	21	/		RED	000-255	Red intensity	
	32	22	/		GREEN	000-255	Green intensity	
	33	23	/		BLUE	000-255	Blue intensity	
	34	24	/		WHITE	000-255	White intensity	
	35	25	/		RED	000-255	Red intensity	
	36	26	/		GREEN	000-255	Green intensity	
	37	27	/		BLUE	000-255	Blue intensity	
	38	28	/		WHITE	000-255	White intensity	
	39	29	/		RED	000-255	Red intensity	
	40	30	/		GREEN	000-255	Green intensity	
	41	31	/		BLUE	000-255	Blue intensity	
	42	32	/		WHITE	000-255	White intensity	
	...	...						
16	71	61	/	PIXEL 16	RED	000-255	Red intensity	
	72	62	/		GREEN	000-255	Green intensity	
	73	63	/		BLUE	000-255	Blue intensity	
	74	64	/		WHITE	000-255	White intensity	
	...	...						
24	103	93	/	PIXEL 24	RED	000-255	Red intensity	
	104	94	/		GREEN	000-255	Green intensity	
	105	95	/		BLUE	000-255	Blue intensity	
	106	96	/		WHITE	000-255	White intensity	
	...	...						
48	199	189	/	PIXEL 48	RED	000-255	Red intensity	
	200	190	/		GREEN	000-255	Green intensity	
	201	191	/		BLUE	000-255	Blue intensity	
	202	192	/		WHITE	000-255	White intensity	

ADVANCED rule:

1. Background: It only lights up when the foreground flashes or has an effect;
2. Foreground: When both the foreground and background run the same effect, the foreground takes priority and the background cannot be bright
3. If the first and second layers have the same effect, the second layer will take priority;
4. When the foreground color is the same as LAYER1, then LAYER1 takes priority; When LAYER1 does not control the color, the foreground and
background can be overlaid to use; （ADVANCED 3/4）

ADVANCED - ADVANCED 1

Channel	Function	Value	Percent/Setting	Remark
1	DIMMER	000-255	Minimum to maximum	
2	DIMMER FINE	000-255	Minimum to maximum	
3	FLASH DIMMER	000-255	Strobe dimmer	
4	FLASH STROBE	000-030	No flash/Closed	
		031-100	Strobe slow to fast	
		101-130	Open	
		131-200	Random strobe slow to fast	
		201-255	Open	
5	FLASH RED	000-255	Red intensity	
6	FLASH GREEN	000-255	Green intensity	
7	FLASH BLUE	000-255	Blue intensity	
8	FLASH WHITE	000-255	White intensity	
9	CCT	000-255	Color Temperature	
10	TINT	000-255		
11	CROSSFADE	000-255		
12	BG DIMMER	000-255	Strobe Dimmer	The background can light up only when the foreground flashes or runs performance
13	BG STROBE	000-030	No flash/Closed	
		031-100	Strobe slow to fast	
		101-130	Open	
		131-200	Random strobe slow to fast	
		201-255	Open	
14	BG RED	000-255	Red intensity	
15	BG GREEN	000-255	Green intensity	
16	BG BLUE	000-255	Blue intensity	
17	BG WHITE	000-255	White intensity	
18	AUTO FX	000-010	No Function	
		011-015	FX 1	
		016-020	FX 2	
		021-025	FX 3	
		026-030	FX 4	
		031-035	FX 5	
		036-040	FX 6	
		041-045	FX 7	
		046-050	FX 8	
		051-055	FX 9	
		056-060	FX 10	
		061-065	FX 11	
		066-070	FX 12	
		071-075	FX 13	

18	AUTO FX	076-080	FX 14	
		081-085	FX 15	
		086-090	FX 16	
		091-095	FX 17	
		096-100	FX 18	
		101-105	FX 19	
		106-110	FX 20	
		111-115	FX 21	
		116-120	FX 22	
		121-125	FX 23	
		126-205	RESERVED(TBD)	
		206-255	Random pixel(with density)	From 1 to 10 pixel, 1 more pixel every 5 steps
19	FX SPEED	000-050	Static indexing	
		051-255	From slow to fast	
20	FX FADE	000-255		
21	CONTROL(Hold 3 Second)	000-005	None	
		006-010	Dimmer Mode Off	
		011-015	Dimmer Mode 1	
		016-020	Dimmer Mode 2	
		021-025	Dimmer Mode 3	
		026-030	Dimmer Mode Auto	
		031-035	Dimmer curve S	
		036-040	Dimmer curve Linear	
		041-045	Dimmer curve Square	
		046-050	Dimmer curve Inverse Square	
		051-055	Led Frequency=1000Hz	
		056-060	Led Frequency=2000Hz	
		061-065	Led Frequency=4000Hz	
		066-070	Led Frequency=6000Hz	
		071-075	Led Frequency=25000Hz	
		076-080	Fan Mode Auto	
		081-085	Fan Mode On	
		086-090	Fan Mode Off	
		091-095	Fan Mode Silent	
		096-100	Fan Mode Eco	
		101-105	Invert Mapping Off	
		106-110	Invert Mapping On	
		111-250	RESERVED	
		251-255	Complete Reset	
22	FROST	000-255	Electronic Frost 0% to 100%	

ADVANCED - ADVANCED 2						
DMX	Art-net+DMX		Function	Value	Percent/Setting	Remark
Artnet	Artnet	DMX				
1	/	1	DIMMER	000-255	Minimum to maximum	
2	/	2	DIMMER FINE	000-255	Minimum to maximum	
3	/	3	FLASH DIMMER	000-255	0-100%	
4	/	4	FLASH STROBE	000-030	No flash/Closed	
				031-100	Strobe slow to fast	
				101-130	Open	
				131-200	Random strobe slow to fast	
				201-255	Open	
5	/	5	BG DIMMER	000-255	Strobe Dimmer	
6	/	6	BG STROBE	000-030	No flash/Closed	
				031-100	Strobe slow to fast	
				101-130	Open	
				131-200	Random strobe slow to fast	
				201-255	Open	
7	/	7	BG RED	000-255	Red intensity	
8	/	8	BG GREEN	000-255	Green intensity	
9	/	9	BG BLUE	000-255	Blue intensity	
10	/	10	BG WHITE	000-255	White intensity	
11	/	11	AUTO FX	000-010	No Function	
				011-015	FX 1	
				016-020	FX 2	
				021-025	FX 3	
				026-030	FX 4	
				031-035	FX 5	
				036-040	FX 6	
				041-045	FX 7	
				046-050	FX 8	
				051-055	FX 9	
				056-060	FX 10	

11	/	11	AUTO FX	061-065	FX 11	
				066-070	FX 12	
				071-075	FX 13	
				076-080	FX 14	
				081-085	FX 15	
				086-090	FX 16	
				091-095	FX 17	
				096-100	FX 18	
				101-105	FX 19	
				106-110	FX 20	
				111-115	FX 21	
				116-120	FX 22	
				121-125	FX 23	
				126-205	RESERVED(TBD)	
				206-255	Random pixel(with density)	From 1 to 10 pixel, 1 more pixel every 5 steps
12	/	12	FX SPEED	000-050	Static indexing	
				051-255	From slow to fast	
13		13	FX FADE	000-255		
14	/	14	CONTROL(Hold 3 Second)	000-005	None	
				006-010	Dimmer Mode Off	
				011-015	Dimmer Mode 1	
				016-020	Dimmer Mode 2	
				021-025	Dimmer Mode 3	
				026-030	Dimmer Mode Auto	
				031-035	Dimmer curve S	
				036-040	Dimmer curve Linear	
				041-045	Dimmer curve Square	
				046-050	Dimmer curve Inverse Square	
				051-055	Led Frequency=1000Hz	
				056-060	Led Frequency=2000Hz	
				061-065	Led Frequency=4000Hz	
				066-070	Led Frequency=6000Hz	
				071-075	Led Frequency=25000Hz	
				076-080	Fan Mode Auto	
14	/	14	CONTROL(Hold 3 Second)	081-085	Fan Mode On	
				086-090	Fan Mode Off	
				091-095	Fan Mode Silent	
				096-100	Fan Mode Eco	
				101-105	Invert Mapping Off	
				106-110	Invert Mapping On	
				111-250	RESERVED	
				251-255	Complete Reset	
15	/	15	CCT	000-255	Color Temperature	
16	/	16	TINT	000-255		
17	/	17	CROSSFADE	000-255		
18	/	18	FROST	000-255	Electronic Frost 0% to 100%	

19	1	/	PIXEL 1 RED	000-255	Red intensity	
20	2	/	PIXEL 1 GREEN	000-255	Green intensity	
21	3	/	PIXEL 1 BLUE	000-255	Blue intensity	
22	4	/	PIXEL 1 WHITE	000-255	White intensity	
...	...	/	...	...	...	
207	189	/	PIXEL 48 RED	000-255	Red intensity	
208	190	/	PIXEL 48 GREEN	000-255	Green intensity	
209	191	/	PIXEL 48 BLUE	000-255	Blue intensity	
210	192	/	PIXEL 48 WHITE	000-255	White intensity	

ADVANCED - ADVANCED 3						
Channel	BASIC FUNCTION	FUNCTION WITH L2 FX	Value	Setting	WITH FX	Remark
1	DIMMER		000-255	Minimum to maximum		
2	DIMMER FINE		000-255	Minimum to maximum		
3	FLASH DIMMER	LAYER2 DIMMER	000-255	0-100%	Layer 2 dimmer	
4	FLASH STROBE	LAYER2 STROBE	000-030	No flash/Closed	- Same -	No output - Single flash with ch 1
			031-100	Strobe slow to fast	- Same -	
			101-130	Open	- Same -	
			131-200	Random strobe slow to fast	- Same -	
			201-255	Open	- Same -	
5	FLASH RED	LAYER2 RED	000-255	Red intensity	Layer 2 Red	
6	FLASH GREEN	LAYER2 GREEN	000-255	Green intensity	Layer 2 Green	
7	FLASH BLUE	LAYER2 BLUE	000-255	Blue intensity	Layer 2 Blue	
8	FLASH WHITE	LAYER2 WHITE	000-255	White intensity	Layer 2 White	
9	CCT		000-255	Color Temperature		
10	TINT		000-255			
11	CROSSFADE		000-255			
12	BG DIMMER		000-255	Strobe Dimmer		The background can light up only when the foreground flashes or runs performance
13	BG STROBE		000-030	No flash/Closed		
			031-100	Strobe slow to fast		
			101-130	Open		
			131-200	Random strobe slow to fast		
			201-255	Open		

14	BG RED	000-255	Red intensity	
15	BG GREEN	000-255	Green intensity	
16	BG BLUE	000-255	Blue intensity	
17	BG WHITE	000-255	White intensity	
18	LAYER1 DIMMER	000-255	Strobe Dimmer	
19	LAYER1 STROBE	000-030	No flash/Closed	
		031-100	Strobe slow to fast	
		101-130	Open	
		131-200	Random strobe slow to fast	
		201-255	Open	
20	LAYER1 RED	000-255	Red intensity	
21	LAYER1 GREEN	000-255	Green intensity	
22	LAYER1 BLUE	000-255	Blue intensity	
23	LAYER1 WHITE	000-255	White intensity	
24	LAYER1 FX	000-010	No Function	
		011-015	FX 1	
		016-020	FX 2	
		021-025	FX 3	
		026-030	FX 4	
		031-035	FX 5	
		036-040	FX 6	
		041-045	FX 7	
		046-050	FX 8	
		051-055	FX 9	
		056-060	FX 10	
		061-065	FX 11	
		066-070	FX 12	
		071-075	FX 13	
		076-080	FX 14	
		081-085	FX 15	
		086-090	FX 16	
		091-095	FX 17	
		096-100	FX 18	
		101-105	FX 19	
24	LAYER1 FX	106-110	FX 20	
		111-115	FX 21	
		116-120	FX 22	
		121-125	FX 23	
		126-205	RESERVED(TBD)	
		206-255	Random pixel(with density)	From 1 to 10 pixel, 1 more pixel every 5 steps
25	LAYER1 FX SPEED	000-050	Static indexing	
		051-255	From slow to fast	
26	LAYER1 FX OFFSET	000 -200	Continuous start selection	Choose the step of start
		201 -255	Random distribution	Enables an internal distribution of the macro between a multitude of lights on a specific DMX line basing on their DMX starting address.

27	LAYER2 FX	000-010	No Function	
	(Colors and strobe are controlled by FLASH channels.	011-015	FX 1	
	If no FX is selected, the FLASH channels will works as basic function.)	016-020	FX 2	
		021-025	FX 3	
		026-030	FX 4	
		031-035	FX 5	
		036-040	FX 6	
		041-045	FX 7	
		046-050	FX 8	
		051-055	FX 9	
		056-060	FX 10	
		061-065	FX 11	
		066-070	FX 12	
		071-075	FX 13	
		076-080	FX 14	
		081-085	FX 15	
		086-090	FX 16	
		091-095	FX 17	
		096-100	FX 18	
		101-105	FX 19	
		106-110	FX 20	
		111-115	FX 21	
		116-120	FX 22	
		121-125	FX 23	
		126-205	RESERVED(TBD)	
		206-255	Random pixel(with density)	From 1 to 10 pixel, 1 more pixel every 5 steps
28	LAYER2 FX SPEED	000-050	Static indexing	
		051-255	From slow to fast	

29	LAYER2 FX OFFSET	000 -200	Continuous start selection	Choose the step of start
		201 -255	Random distribution	Enables an internal distribution of the macro between a multitude of lights on a specific DMX line basing on their DMX starting address.
30	FX FADE	000-255		
31	EMPTY	-	TBD	
32	EMPTY	-	TBD	
33	CONTROL(Hold 3 Second)	000-005	None	
		006-010	Dimmer Mode Off	
		011-015	Dimmer Mode 1	
		016-020	Dimmer Mode 2	
		021-025	Dimmer Mode 3	
		026-030	Dimmer Mode Auto	
		031-035	Dimmer curve S	
		036-040	Dimmer curve Linear	
		041-045	Dimmer curve Square	
		046-050	Dimmer curve Inverse Square	
		051-055	Led Frequency=1000Hz	
		056-060	Led Frequency=2000Hz	
		061-065	Led Frequency=4000Hz	
		066-070	Led Frequency=6000Hz	
		071-075	Led Frequency=25000Hz	
		076-080	Fan Mode Auto	
		081-085	Fan Mode On	
		086-090	Fan Mode Off	
		091-095	Fan Mode Silent	
		096-100	Fan Mode Eco	
33	CONTROL(Hold 3 Second)	101-105	Invert Mapping Off	
		106-110	Invert Mapping On	
		111-250	RESERVED	
		251-255	Complete Reset	
34	FROST	000-255	Electronic Frost 0% to 100%	

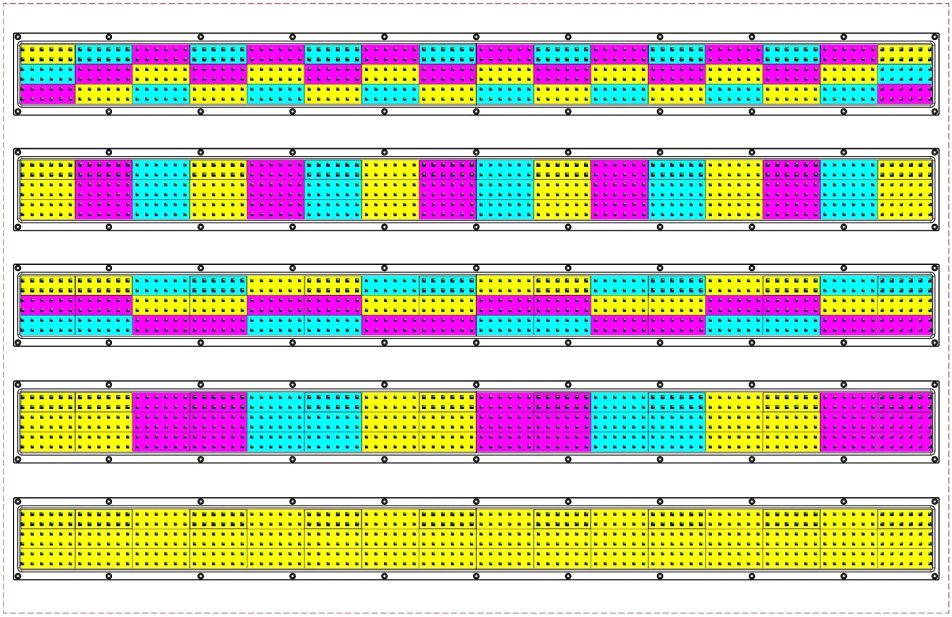
ADVANCED - ADVANCED 4								
Artnet	Artnet+DMX		BASIC Function	WITH L2 FX	Value	Setting	WITH FX	Remark
DMX	Artnet	DMX						
1	/	1	DIMMER		000-255	Minimum to maximum		
2	/	2	DIMMER FINE		000-255	Minimum to maximum		
3	/	3	FLASH DIMMER	LAYER2 DIMMER	000-255	0-100%	Layer 2 dimmer	
4	/	4	FLASH STROBE	LAYER2 STROBE	000-030	No flash/ Closed	- Same -	
					031-100	Strobe slow to fast	- Same -	
					101-130	Open	- Same -	
					131-200	Random strobe slow to fast	- Same -	
					201-255	Open	- Same -	
5	1	/	FLASH 1 RED	LAYER2 1 RED	000-255	Red intensity	Layer 2 Red	
6	2	/	FLASH 1 GREEN	LAYER2 1 GREEN	000-255	Green intensity	Layer 2 Green	
7	3	/	FLASH 1 BLUE	LAYER2 1 BLUE	000-255	Blue intensity	Layer 2 Blue	
8	4	/	FLASH 1 WHITE	LAYER2 1 WHITE	000-255	White intensity	Layer 2 White	
..	..	/	...	...	...	...		
193	189	/	FLASH 48 RED	LAYER2 48 RED	000-255	Red intensity	Layer 2 Red	
194	190	/	FLASH 48 GREEN	LAYER2 48 GREEN	000-255	Green intensity	Layer 2 Green	
195	191	/	FLASH 48 BLUE	LAYER2 48 BLUE	000-255	Blue intensity	Layer 2 Blue	
196	192	/	FLASH 48 WHITE	LAYER2 48 WHITE	000-255	White intensity	Layer 2 White	
197	/	5	CCT		000-255	Color Temperature		
198		6	TINT		000-255			
199	/	7	CROSSFADE		000-255			
200	/	8	BG DIMMER		000-255	Strobe Dimmer		

201	/	9	BG STROBE		000-030	No flash/Closed	
					031-100	Strobe slow to fast	
					101-130	Open	
					131-200	Random strobe slow to fast	
					201-255	Open	
202	/	10	BG RED		000-255	Red intensity	
203	/	11	BG GREEN		000-255	Green intensity	
204	/	12	BG BLUE		000-255	Blue intensity	
205		13	BG WHITE		000-255	White intensity	
206	/	14	LAYER1 DIMMER		000-255	Strobe Dimmer	
207	/	15	LAYER1 STROBE		000-030	No flash/Closed	
					031-100	Strobe slow to fast	
					101-130	Open	
					131-200	Random strobe slow to fast	
					201-255	Open	
208	/	16	LAYER1 RED		000-255	Red intensity	
209	/	17	LAYER1 GREEN		000-255	Green intensity	
210	/	18	LAYER1 BLUE		000-255	Blue intensity	
211	/	19	LAYER1 WHITE		000-255	White intensity	
212	/	20	LAYER1 FX		000-010	No Function	
					011-015	FX 1	
					016-020	FX 2	
					021-025	FX 3	
					026-030	FX 4	
					031-035	FX 5	
					036-040	FX 6	
					041-045	FX 7	
					046-050	FX 8	
					051-055	FX 9	
					056-060	FX 10	
					061-065	FX 11	
					066-070	FX 12	
					071-075	FX 13	
					076-080	FX 14	
					081-085	FX 15	
					086-090	FX 16	
					091-095	FX 17	
					096-100	FX 18	
					101-105	FX 19	
					106-110	FX 20	
					111-115	FX 21	
					116-120	FX 22	
					121-125	FX 23	
					126-205	RESERVED(TBD)	
					206-255	Random pixel(with density)	From 1 to 10 pixel, 1 more pixel every 5 steps

213	/	21	LAYER1 FX SPEED	000-050	Static indexing	
				051-255	From slow to fast	
214	/	22	LAYER1 FX OFFSET	000-200	Continuous start selection	Choose the step of start
				201-255	Random distribution	Enables an internal distribution of the macro between a multitude of lights on a specific DMX line basing on their DMX starting address.
215	/	23	LAYER2 FX	000-010	No Function	
			(Colors and strobe are controlled by FLASH channels.	011-015	FX 1	
			If no FX is selected, the FLASH channels will works as basic function.)	016-020	FX 2	
				021-025	FX 3	
				026-030	FX 4	
				031-035	FX 5	
				036-040	FX 6	
				041-045	FX 7	
				046-050	FX 8	
				051-055	FX 9	
				056-060	FX 10	
				061-065	FX 11	
				066-070	FX 12	
				071-075	FX 13	
				076-080	FX 14	
				081-085	FX 15	
				086-090	FX 16	
				091-095	FX 17	
				096-100	FX 18	
				101-105	FX 19	
				106-110	FX 20	
				111-115	FX 21	
				116-120	FX 22	
				121-125	FX 23	
				126-205	RESERVED(TBD)	
				206-255	Random pixel(with density)	From 1 to 10 pixel, 1 more pixel every 5 steps
216	/	24	LAYER2 FX SPEED	000-050	Static indexing	
				051-255	From slow to fast	

217	/	25	LAYER2 FX OFFSET	000 -200	Continuous start selection	Choose the step of start
				201 -255	Random distribution	Enables an internal distribution of the macro between a multitude of lights on a specific DMX line basing on their DMX starting address.
218		26	FX FADE	000-255		
219	/	27	EMPTY	-	TBD	
220	/	28	EMPTY	-	TBD	
221	/	29	CONTROL(Hold 3 Second)	000-005	None	
				006-010	Dimmer Mode Off	
				011-015	Dimmer Mode 1	
				016-020	Dimmer Mode 2	
				021-025	Dimmer Mode 3	
				026-030	Dimmer Mode Auto	
				031-035	Dimmer curve S	
				036-040	Dimmer curve Linear	
				041-045	Dimmer curve Square	
				046-050	Dimmer curve Inverse Square	
				051-055	Led Frequency=1000Hz	
				056-060	Led Frequency=2000Hz	
				061-065	Led Frequency=4000Hz	
				066-070	Led Frequency=6000Hz	
				071-075	Led Frequency=25000Hz	
				076-080	Fan Mode Auto	
				081-085	Fan Mode On	
				086-090	Fan Mode Off	
				091-095	Fan Mode Silent	
				096-100	Fan Mode Eco	
				101-105	Invert Mapping Off	
				106-110	Invert Mapping On	
				111-250	RESERVED	
				251-255	Complete Reset	
222	/	30	FROST	000-255	Electronic Frost 0% to 100%	

PIXEL MAPPING



9. TROUBLESHOOTING

Fault phenomenon	Fault cause	Handling method
No menu displayed	1.No AC input 2.Power supply failure 3.Display panel failure	1.Check the power supply circuit 2.Check the switching power supply for voltage output 3.Replace the display panel
Unable to receive DMX signal	1.DMX signal line failure 2.The signal line wiring sequence is wrong 3.The signal input receiving signal IC is damaged 4.The DMX address code setting does not match the control corresponding to the console 5.Other parameter settings are incorrect 6.After entering the menu, exit to the main menu without pressing the confirm button or MENU button	1.Check or replace the signal cable 2.Check wiring sequence of signal lines 3.Check if display panel signal receiving IC and two resistors in series on signal line are open. 4.Check or reset address code or restore to factory settings and try again 5.Press MENU to exit to main menu
The surface temperature of lamp body exceeds 75° ,temperature control protection cannot be performed	1. Thermistor on LED bead board is faulty 2. Faulty temperature control circuit on display panel	1. Replace the thermistor 2. Check temperature control circuit on mainboradboard
Uneven light color mixing	1.Improper LED soldering 2.The lens or bracket is not installed properly	1.Check welding condition of LED beads 2.Check lens assembly process and adjust bracket assembly directio
The light has a color cast (reddish, greenish or bluish)	1.The current of one set of LED colors is too large or too small 2.Improper RGBW color mixing white balance setting	1.Check driving current of the corresponding color group of the driver board 2.Reset or restore factory settings 3.Replace the corresponding IC
The lamp is not lit or flickers slightly	1.LED is damaged or driver board has no current output	1.Replace LED lamp beads 2.Replace damaged LED or check driver board circuit 3.Replace the corresponding driver IC
Parameters are not saved	The IC used to store parameters is damaged	Replace the memory IC
The whole lamp does not work when powered on	When temperature is too high, temperature control protection causes the switching power supply over-temperature protection to not work	Wait until the lamp cools down before turning it on again

10.MAINTENANCE AND CARE

1.Regular cleaning is very important to life and performance of lamp. The accumulation of dust, dirt, smoke particles, atomized liquid residue, etc. will reduce the light output and heat dissipation ability of lamp.
2.The cleaning time of lamps varies greatly depending on the operating environment, so it is impossible to specify a precise cleaning interval for lamps.

Environmental factors that may require more frequent cleaning include:
Use a fogger or mist machine.
High air flow rates (for example, near air conditioning vents).
Airborne dust (e.g. from stage effects, building structures and decorations, or the natural environment at outdoor events).
If one or more of these factors are present, check the fixture for cleaning needs within the first few hours of operation. Continue checking the fixture frequently thereafter. This process will enable you to assess the need for cleaning in your specific situation.

When cleaning lamps, pay attention to the following points:
Do this in a clean, dry, well-lit area.
Only wipe gently. We recommend using a soft, lint-free cloth with water or a mild detergent solution. Do not use alcohol, solvents, or abrasives under any circumstances! Be extremely careful when cleaning optical components: their surfaces are fragile and easily scratched.

CLEANING PROCESS

Warning Disconnect the power supply before opening any covers

Wipe optical components gently; the coating surface is very brittle and easily scratched. Do not use aggressive solvents that may damage the plastic or coating surface.

Cleaning optics:

1.After power off, cool thoroughly and open the lid.

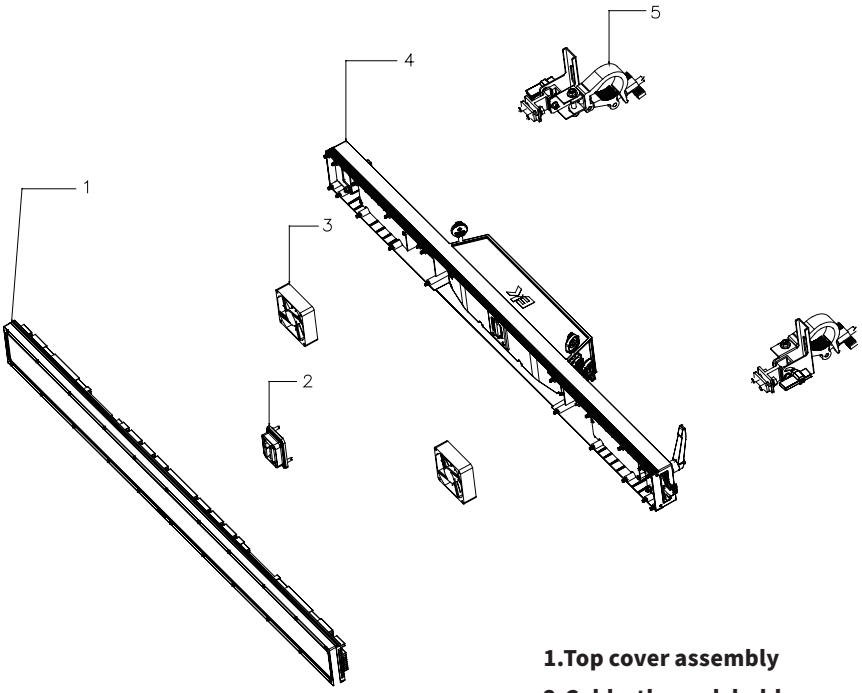
2.Use a vacuum cleaner or pressure blower to gently blow away dust and floating objects

3.Use unscented tissue paper or cotton cloth soaked in clean or distilled water to wipe off the particles. Do not wipe the surface. Use pressurized air to blow away floating objects.

4.Use cotton cloth soaked in ethyl propylene glycol or unscented tissue paper to remove smoke and residue. You can also use glass cleaner, but the residue must be removed with distilled water. Wipe in circles from the center to the sides, then wipe dry with a soft cotton cloth.

5.Clean the fan and air vents. Use a soft brush, tissue paper, air vacuum cleaner or pressure blower to remove dust from the fan and air vents.

11. EXPLODED DIAGRAM



1.Top cover assembly

2.Cable-through holder assembly

3.Fan assembly

4.Back cover assembly

5.clamp aseembly

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