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COLLIDER FC

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USER MANUAL

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TROUBLE SHOOTING

Problem	Possible Causes	Check list and Remedies
Fixture does not light up	<ul style="list-style-type: none"> No mains supply Dimmer fader set to 0 All color faders set to 0 Faulty LED Faulty LED board 	<ul style="list-style-type: none"> Check the power supply voltage Increase the value of the dimmer channels Increase the value of the color channels Replace the LED board Replace the LED board
General low light intensity	<ul style="list-style-type: none"> Dirty lens assembly Misaligned lens assembly 	<ul style="list-style-type: none"> Clean the fixture regularly Install lens assembly properly
Fixture does not power up	<ul style="list-style-type: none"> No power Loose or damaged power cord Faulty internal power supply 	<ul style="list-style-type: none"> Check for power on power outlet Check power cord Replace internal power supply
Fixture does not respond to DMX	<ul style="list-style-type: none"> Wrong DMX addressing Damaged DMX cables Bouncing signals 	<ul style="list-style-type: none"> Check control panel and unit addressing Check DMX cables Install terminator as suggested



WARNING

Before carrying out any operations with the unit, carefully read this instruction manual and keep it with care for future reference. It contains important information about the installation, usage and maintenance of the unit.

SAFETY

General instruction

The products referred to in this manual conform to the European Community Directives and are therefore marked with.

The unit is supplied with hazardous network voltage (230V~). Leave servicing to skilled personnel only. Never make any modifications on the unit not described in this instruction manual, otherwise you will risk an electric shock.

Connection must be made to a power supply system fitted with efficient earthing (Class I appliance according to standard EN 60598-1). It is, moreover, recommended to protect the supply lines of the units from indirect contact and/or shorting to earth by using appropriately sized residual current devices.

The connection to the main network of electric distribution must be carried out by a qualified electrical installer. Check that the main frequency and voltage correspond to those for which the unit is designed as given on the electrical data label.

This unit is not for home use, only professional applications.

Never use the fixture under the following conditions:

- in wet places;
- in places subject to vibrations or bumps;
- in places with an ambient temperature of over 45°

Make certain that no inflammable liquids, water or metal objects enter the fixture.

All work must always be carried out by qualified technical personnel. Contact the nearest sales point for an inspection or contact the manufacturer directly.

If the unit is to be put out of operation definitively, take it to a local recycling plant for a disposal

Warnings and installation precautions

If this device will be operated in any way different to the one described in this manual, it may suffer damage and the guarantee becomes void. Furthermore, any other operation may lead to dangers like short circuit, burns, electric shock, etc.

Before starting any maintenance work or cleaning the projector, cut off power from the main supply.

Always additionally secure the projector with the safety rope. When carrying out any work, always comply scrupulously with all the regulations (particularly regarding safety) currently in force in the country in which the fixture is being used.

For inside use only. Not designed for outside use.

The minimum distance between the fixture and surrounding walls must be more than 50cm and the air vents at the housing must not be covered in any case.

Install the fixture in a well ventilated place.

Keep any inflammable material at a safe distance from the fixture.

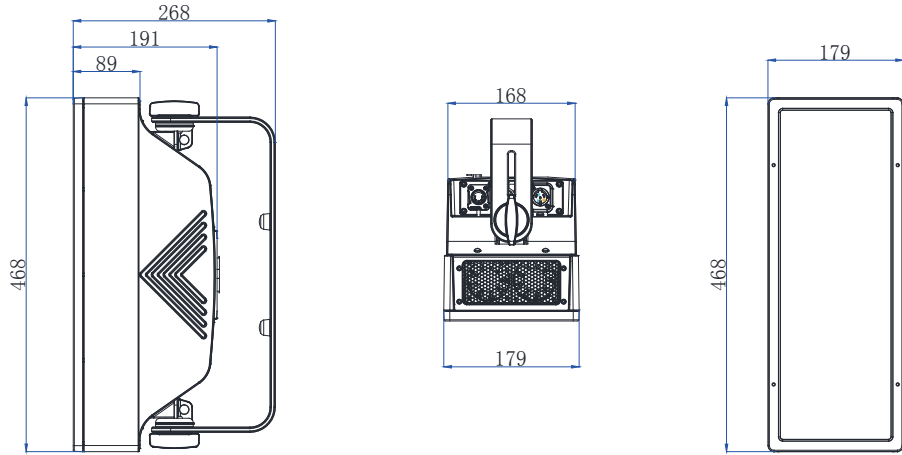
The maximum temperature that can be reached on the external surface of the fitting, in a thermally steady state, is high. After power off, please cool down over 15 minutes.

Shields, lenses or ultraviolet screens shall be changed if they have become damaged to such an extent that their effectiveness is impaired.

The lamp(LED) shall be changed if it has become damaged or thermally deformed.

Never look directly at the light beam. Please note that fast changes in lighting, e.g. flashing light, may trigger epileptic seizures in photosensitive persons or persons with epilepsy.

DIMENSIONS



DMX CHANNELS

				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
211	/	19	LAYER2 FX SPEED	000-050	Static indexing	
				051-255	From slow to fast	
212	/	20	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.
213	/	21	EMPTY	-	TBD	
214	/	22	EMPTY	-	TBD	
215	/	23	DIMMER MODE	000-051	From MENU	
				052-101	Mode OFF	
				102-152	Mode 1	
				153-203	Mode 2	
				204-255	Mode 3	

DESCRIPTION

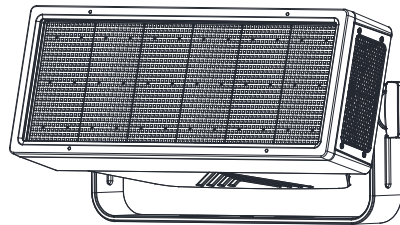
The most powerful RGBW pixel-mappable LED strobe on the planet.

Harness the stunning kinetic energy of accelerated particles of pure blinding two-layer colors.

Onboard macros enable quick programming of stunning effects.

IP65-rated tour-grade construction.

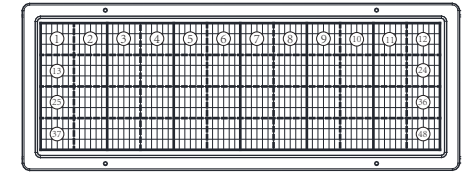
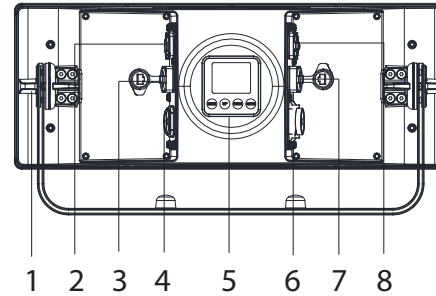
DMX and Artnet control.



DMX CHANNELS

207	/	15	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				
208	/	16	LAYER1 FX SPEED	000-050	Static indexing	
				051-255	From slow to fast	
209	/	17	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.
210	/	18	LAYER2 FX (Colors and strobe are controlled by FLASH channels. If no FX is selected, the FLASH channels will works as basic function.)	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	

INTRODUCTION



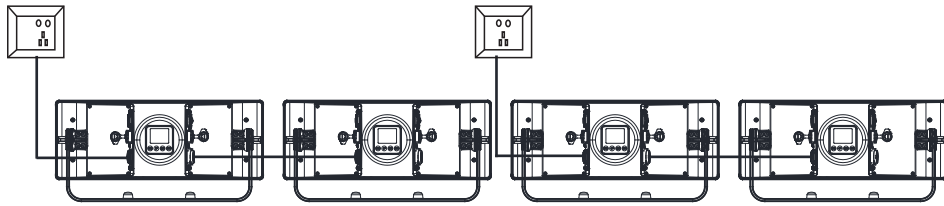
48 individually controllable segments for dynamic effects

1. HANGING BRACKET KNOB
2. DMX IN
3. ART-NET IN
4. POWER IN
5. DISPLAY
6. POWER OUT
7. ART-NET OUT
8. DMX OUT

Display Function Navigation

MODE	ILLUSTRATION	DESCRIPTION	EFFECT
MENU	MENU OPTION	ENTER THE MENU	MENU OPERATION
UP	UP	SCROLL UP	INCREASE THE NUMERIC VALUE
DOWN	DOWN	SCROLL DOWN	DECREASE THE NUMERIC VALUE
ENTER	CONFIRM	CONFIRM	SAVE THE FUCTION

POWER CONNECTION



Power In

Using POWER CON In/Out
Power cable connected in series
Attention: due to the power rating ,
one 1.5mm² power cable can connect 2 units maximum



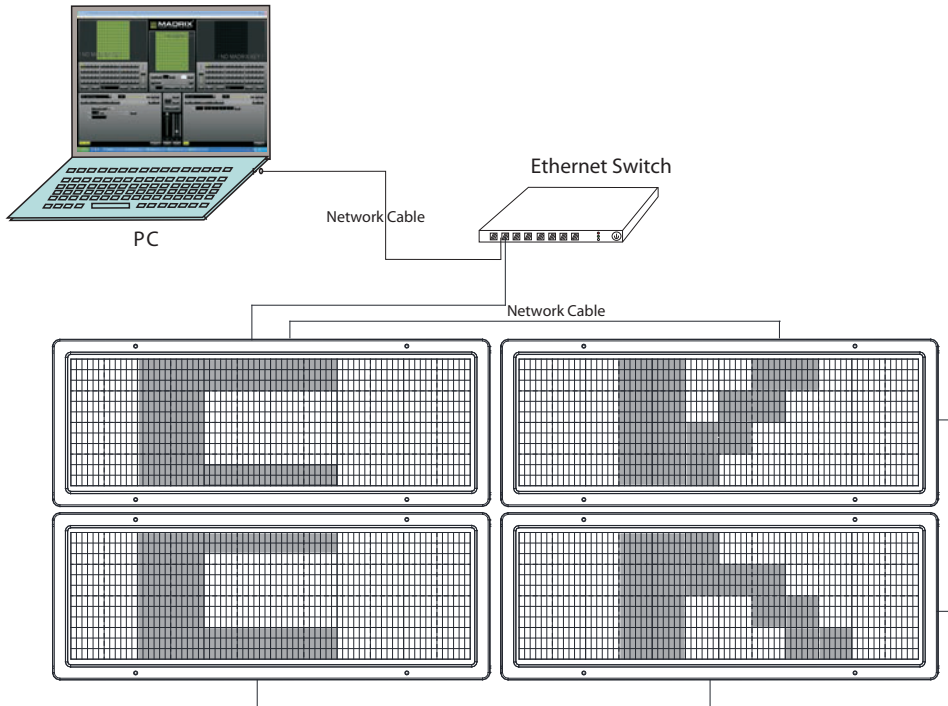
Power out



Warning

Do not connect more than 2 units in series with one power cable.
Do not use damaged power cables
Turn off the power when the units are not in use.

ETHERNET CONNECTION



DMX CHANNELS

27	DIMMER MODE	000-051	From MENU	
		052-101	Mode OFF	
		102-152	Mode 1	
		153-203	Mode 2	
		204-255	Mode 3	

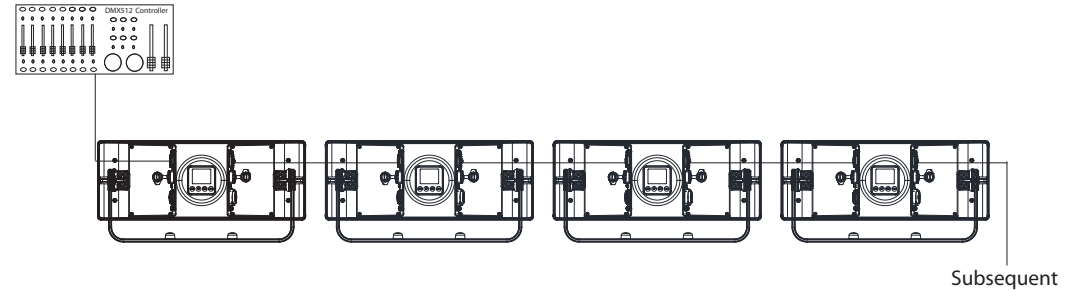
ADVANCED - ADVANCED 4

Artnet DMX	Artnet+DMX Artnet DMX	BASIC Function	WITH L2 FX	Value	Setting	WITH FX	Remark
1	/ 1	FLASH DIMMER	LAYER2 DIMMER	000-255	0-100%	Layer 2 dimmer	
2	/ 2	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 -			
3	1	FLASH 1 RED	LAYER2 1 RED	000-255	Red intensity	Layer 2 Red	
4	2	FLASH 1 GREEN	LAYER2 1 GREEN	000-255	Green intensity	Layer 2 Green	
5	3	FLASH 1 BLUE	LAYER2 1 BLUE	000-255	Blue intensity	Layer 2 Blue	
6	4	FLASH 1 WHITE	LAYER2 1 WHITE	000-255	White intensity	Layer 2 White	
...	
191	189	FLASH 48 RED	LAYER2 48 RED	000-255	Red intensity	Layer 2 Red	
192	190	FLASH 48 GREEN	LAYER2 48 GREEN	000-255	Green intensity	Layer 2 Green	
193	191	FLASH 48 BLUE	LAYER2 48 BLUE	000-255	Blue intensity	Layer 2 Blue	
194	192	FLASH 48 WHITE	LAYER2 48 WHITE	000-255	White intensity	Layer 2 White	
195	/ 3	BG DIMMER		000-255	Strobe Dimmer		
196	/ 4	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				
197	/ 5	BG RED		000-255	Red intensity		
198	/ 6	BG GREEN		000-255	Green intensity		
199	/ 7	BG BLUE		000-255	Blue intensity		
200	/ 8	BG WHITE		000-255	White intensity		
201	/ 9	LAYER1 DIMMER		000-255	Strobe Dimmer		
202	/ 10	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				
203	/ 11	LAYER1 RED		000-255	Red intensity		
204	/ 12	LAYER1 GREEN		000-255	Green intensity		
205	/ 13	LAYER1 BLUE		000-255	Blue intensity		
206	/ 14	LAYER1 WHITE		000-255	White intensity		

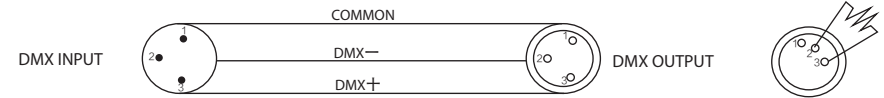
DMX CHANNELS

		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
20	LAYER1 FX SPEED	000-050	Static indexing	
		051-255	From slow to fast	
21	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.
22	LAYER2 FX (Colors and strobe are controlled by FLASH channels. If no FX is selected, the FLASH channels will work as basic function.)	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
23	LAYER2 FX SPEED	000-050	Static indexing	
		051-255	From slow to fast	
24	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.
25	EMPTY	-	TBD	
26	EMPTY	-	TBD	

DMX CONNECTION



DMX512 CONTROLLER



Relation between DMX and Address

MODE	ALLOCATION	DMX ADDRESS 1ST FIXTURE	DMX ADDRESS 2ND FIXTURE	DMX ADDRESS 3RD FIXTURE	DMX ADDRESS 4TH FIXTURE
4CH	001-004	001	005	009	013
6CH	002-007	002	009	015	021
14CH	001-014	001	025	029	043
192CH	001-192	001	193		
202CH	001-202	001	203		

Follow above method for subsequent fixtures, calculating starting address as indicated.

TECHNICAL SPECIFICATION

PHOTOMETRICS

Light Source: 1728 x 1W RGBW LED
 Beam Angle: 98°
 Field Angle: 156°
 Output: 1281LUX @ 5 meters

POWER

Mains: 100 - 240 VAC, 50/60 Hz
 Consumption: 1500W/230V (FULL ON)
 Power connections: PowerCon In/Out
 Power linking: Up to 2 units @ 230V

KEY FEATURES

Color Mixing: RGBW
 Strobe: 0 ~ 30Hz
 Dimming: 4 dimming curve modes

CONTROL

Protocol: DMX, Artnet, Kling-net
 DMX Channels: 3/4-1/4-2/6/7/8/14/144/192/202
 Built-in Programs: Yes
 Display: TFT 220 x 176

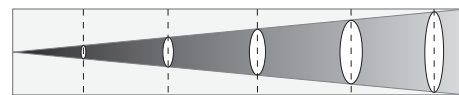
PHYSICAL

Size: 468x179x268mm
 Weight: 15kg
 Ingress rating: IP65

PHOTOMETRICS

Beam Angle: 98°

FULL ON



Project Distance(m)

Luminance(lux) 32040 3560 1281 653 320

	Color	1m	3m	5m	7m	10m
		LUX	LUX	LUX	LUX	LUX
Full On	R	3339	371	113.6	68	33.4
	G	22590	2510	903.6	461	226
	B	1620	180	64.8	33	16.2
	W	17784	1976	711.4	363	177.8
	ALL	32040	3560	1281.6	653	320.4

DMX CHANNELS

ADVANCED - ADVANCED 3						
Channel	BASIC FUNCTION	FUNCTION WITH L2 FX	Value	Setting	WITH FX	Remark
1	FLASH DIMMER	LAYER2 DIMMER	000-255	0-100%	Layer 2 dimmer	
2	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 -	
3	FLASH RED	LAYER2 RED	000-255	Red intensity	Layer 2 Red	
4	FLASH GREEN	LAYER2 GREEN	000-255	Green intensity	Layer 2 Green	
5	FLASH BLUE	LAYER2 BLUE	000-255	Blue intensity	Layer 2 Blue	
6	FLASH WHITE	LAYER2 WHITE	000-255	White intensity	Layer 2 White	
7	BG DIMMER		000-255	Strobe Dimmer		Only when the foreground flickers or the performance runs can the background brighten.
8	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		
9	BG RED		000-255	Red intensity		
10	BG GREEN		000-255	Green intensity		
11	BG BLUE		000-255	Blue intensity		
12	BG WHITE		000-255	White intensity		
13	LAYER1 DIMMER		000-255	Strobe Dimmer		
14	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		
15	LAYER1 RED		000-255	Red intensity		
16	LAYER1 GREEN		000-255	Green intensity		
17	LAYER1 BLUE		000-255	Blue intensity		
18	LAYER1 WHITE		000-255	White intensity		
19	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					

DMX CHANNELS

5	/	5	BG RED	000-255	Red intensity	
6	/	6	BG GREEN	000-255	Green intensity	
7	/	7	BG BLUE	000-255	Blue intensity	
8	/	8	BG WHITE	000-255	White intensity	
9	/	9	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	
				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				
10	/	10	FX SPEED	000-050	Static indexing	
				051-255	From slow to fast	
11	/	11	DIMMER MODE	000-051	From MENU	
				052-101	Mode OFF	
				102-152	Mode 1	
				153-203	Mode 2	
204-255	Mode 3					
12	1	/	PIXEL 1 RED	000-255	Red intensity	
13	2	/	PIXEL 1 GREEN	000-255	Green intensity	
14	3	/	PIXEL 1 BLUE	000-255	Blue intensity	
15	4	/	PIXEL 1 WHITE	000-255	White intensity	
...	...	/	
200	189	/	PIXEL 48 RED	000-255	Red intensity	
201	190	/	PIXEL 48 GREEN	000-255	Green intensity	
202	191	/	PIXEL 48 BLUE	000-255	Blue intensity	
203	192	/	PIXEL 48 WHITE	000-255	White intensity	

MENU

Menu(-)							
Main Menu	Menu level 2	Menu level 3	Menu level ...			Remark	
1	CONNECT	DMX Address	1-512			Default: 1	
		DMX Mode	BASIC	STATIC(4CH-1)			Default: BASIC RGBW STROBE
				STROBE (4CH-2)	R=0~255	TO CHOOSE THE COLOR OF THE STROBE, NOT SELECTABLE WITH DMX	
					G=0~255		
					B=0~255		
					W=0~255		
			PIXELS(192CH)				
			RGBW STROBE (8CH)				
			PIXELS(48CH)	1PX			Default: 48PX
				2PX			
				3PX			
		12PX					
		48PX					
		ADVANCED	ADVANCED 1 (15CH)			Default: ADVANCED 3	
			ADVANCED 2 (203CH)				
			ADVANCED 3 (27CH)				
			ADVANCED 4 (215CH)				
		Ethernet	Protocol	Only Art-Net (Two different sets of device Artnet signal, default LTP)			Default:Only Art-net
				ArtNet+DMX (PIXELS(1/2/4/8/16/64PX) / ADVANCE(2/4)) Normal control can be achieved only when two sets of signals are valid at the same time.			
			Subnet	0-15			Default: 0
			Universe	0-15			Default: 0
			Start Channel	1-512			Default:1
IP Address	2/10.***.***.***						
Ethernet To DMX	NO Yes			Default: No			
RDM ID	030F*****						
2	SETUP	Temperature unit	°C			Default: °C	
			°F				
		Screen	Back Light	On			Default: 10S
				10S			
				20S			
				30S			
			Flip Display	No			Default: No Exit menu,UP+DOWN Press 3S, screen reverse
		Yes					
		Key Lock	No			Default: No	
			Yes				
Fixture	White Balance	Manual	Off		Default: Off, RGBW Uncertain value;		
			Red	<125-255>			
			Green	<125-255>			
			Blue	<125-255>			
			White	<125-255>			

NENU

		Fixture	Dimmer Mode	Off	Default: Off	
				Dimmer 1		
				Dimmer 2		
			Dimmer 3			
			Fan mode	Auto	Default: Yes	
			High			
3	ADVANCED	Factory Reload	No			
			Yes			
		Mapping Rotation	No		Default: No	
			Yes			
4	INFORMATION	Fixture Time	0-9999		Default: 0	
		Temperature	58 °C			
		Fans Speed	**%			
		Software Version	DISP-V1.0			
			CTR1-NET-V1.0			
		Master/Slave	Master		Default: Slave	
			Slave			
5	STAND ALONE	Sequence	Show 1 Show 2 Show 3 Show 16 Show 17 Show 18 Show 19 Show 20 Show 21 Show 22 Show 23	Speed	1-100	Default: Show 23 Speed:100 Foreground = R Background = Black
				Foreground	Black	
					R	
					G	
					B	
					W	
					GB	
					RB	
					RG	
					RGB	
					RW	
					GW	
					BW	
					RGW	
					RBW	
				GBW		
				RGBW		
				Background	Black	
					R	
					G	
					B	
					W	
					GB	
					RB	
					RG	
					RGB	
					RW	
					GW	
BW						
RGW						
RBW						
GBW						
RGBW						

DMX CHANNELS

13	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	
		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	
14	FX SPEED	000-050	Static indexing	
		051-255	From slow to fast	
15	DIMMER MODE	000-051	From MENU	
		052-101	Mode OFF	
		102-152	Mode 1	
		153-203	Mode 2	
		204-255	Mode 3	

ADVANCED - ADVANCED 2

DMX	Art-net+DMX		Function	Value	Percent/Setting	Remark
Artnet	Artnet	DMX				
1	/	1	FLASH DIMMER	000-255	0-100%	
2	/	2	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	
3	/	3	BG DIMMER	000-255	Strobe Dimmer	
4	/	4	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	

DMX CHANNELS

3	13	9	/	PIXEL 3	RED	000-255	Red intensity	
	14	10	/		GREEN	000-255	Green intensity	
	15	11	/		BLUE	000-255	Blue intensity	
	16	12	/		WHITE	000-255	White intensity	
12	17	13	/	PIXEL 4	RED	000-255	Red intensity	
	18	14	/		GREEN	000-255	Green intensity	
	19	15	/		BLUE	000-255	Blue intensity	
	20	16	/		WHITE	000-255	White intensity	
	/	
	49	45	/	PIXEL 12	RED	000-255	Red intensity	
50	46	/	GREEN		000-255	Green intensity		
51	47	/	BLUE		000-255	Blue intensity		
52	48	/	WHITE		000-255	White intensity		
48	53	49	/	PIXEL 13	RED	000-255	Red intensity	
	54	50	/		GREEN	000-255	Green intensity	
	55	51	/		BLUE	000-255	Blue intensity	
	56	52	/		WHITE	000-255	White intensity	
	/	
	193	189	/	PIXEL 48	RED	000-255	Red intensity	
	194	190	/		GREEN	000-255	Green intensity	
	195	191	/		BLUE	000-255	Blue intensity	
196	192	/	WHITE		000-255	White intensity		

MENU

Static	Fixed Color	R	Default: RGBW	
		G		
		B		
		W		
		GB		
		RB		
		RG		
		RGB		
		RW		
		GW		
		BW		
		RGW		
		RBW		
		GBW		
	RGBW			
	Manual Color	Red	<000-255>	Default: RGBW=255
Green		<000-255>		
Blue		<000-255>		
White		<000-255>		

MENU DESCRIPTION

2.SETUP

(1)Screen :

- 1.Back Light: Set delay time for menu display to go dark at either 10, 20 or 30 seconds or choose always on
- 2.Flip Display
- 3.Key Lock: **password: UP-DOWN-UP-DOWN-ENTER**

(2)Fixture

- (3)white balance
- (4)dimmer mode: 4 dimming curve modes
- (5)Fan Mode
- (6)Temperature

(3).Ethernet

- 1.Protocol:Kling-net& Art-net
- 2.Universe: 000-255
- 3.Start Channel: 001-512
- 4.IP address: 2/10.***.***.***

3. ADVANCED

(1).Factory Reset

5. STANDALONE

- (1).Master/slave:
- (2).Sequence
- (3).Static

4. INFORMATION

- (1).Fixture Time:0-9999
- (2).Temperature
- (3).Fan speed
- (4).Software Version
- (5).UID

ADVANCED - ADVANCED 1				
Channel	Function	Value	Percent/Setting	Remark
1	FLASH DIMMER	000-255	Strobe dimmer	
2	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	
3	FLASH RED	000-255	Red intensity	
4	FLASH GREEN	000-255	Green intensity	
5	FLASH BLUE	000-255	Blue intensity	
6	FLASH WHITE	000-255	White intensity	
7	BG DIMMER	000-255	Strobe Dimmer	Only when the foreground flickers or the performance runs can the background brighten.
8	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	
9	BG RED	000-255	Red intensity	
10	BG GREEN	000-255	Green intensity	
11	BG BLUE	000-255	Blue intensity	
12	BG WHITE	000-255	White intensity	

DMX CHANNELS

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	

BASIC - STROBE (color could be choosed by menu)				
Channel	Function	Value	Percent/Setting	Remark
1	DIMMER	000-005	Blackout	
		006-255	Minimum to maximum	
2	FLASH DURATION	000-255	15ms-990ms	
3	FLASH RATE	000-010	No Flash	
		011-255	Strobe slow to fast	
4	FLASH FX	000-002	No Effect	If selected, the fixture will works as wash, only dimmer control.
		003-005	Static	
		006-042	Ramp up	
		043-085	Ramp down	
		086-128	Ramp up-down	
		129-171	Random	
		172-214	Lightning	
		215-255	Spikes	

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	

DMX CHANNELS

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	DIMMER	000-005	Blackout	
		006-255	Minimum to maximum	
6	FLASH DURATION	000-255	15ms-990ms	
7	FLASH RATE	000-010	No Flash	
		011-255	Strobe slow to fast	
8	FLASH FX	000-002	No Effect	If selected, works as wash, only dimmer and color control.
		003-005	Static	
		006-042	Ramp up	
		043-085	Ramp down	
		086-128	Ramp up-down	
		129-171	Random	
		172-214	Lightning	
		215-255	Spikes	

PIXELS - PIXELS									
PIXEL MODE	DMX			Function	Value	Percent/Setting	Remark		
	Artnet	Artnet	DMX						
1	1	/	1	DIMMER	000-005	Blackout			
					006-255	Minimum to maximum			
	2	/	2	FLASH DURATION	000-255	15ms-990ms			
					3	/	3	FLASH RATE	000-010
	011-255	Strobe slow to fast							
	4	/	4	FLASH FX	000-002	No Effect	If selected, the fixture will works as wash, only dimmer control.		
					003-005	Static			
					006-042	Ramp up			
					043-085	Ramp down			
					086-128	Ramp up-down			
					129-171	Random			
					172-214	Lightning			
215-255					Spikes				
5	1	/	1	RED	000-255	Red intensity			
				GREEN	000-255	Green intensity			
				BLUE	000-255	Blue intensity			
				WHITE	000-255	White intensity			
				2	/	2	RED	000-255	Red intensity
							GREEN	000-255	Green intensity
							BLUE	000-255	Blue intensity
							WHITE	000-255	White intensity