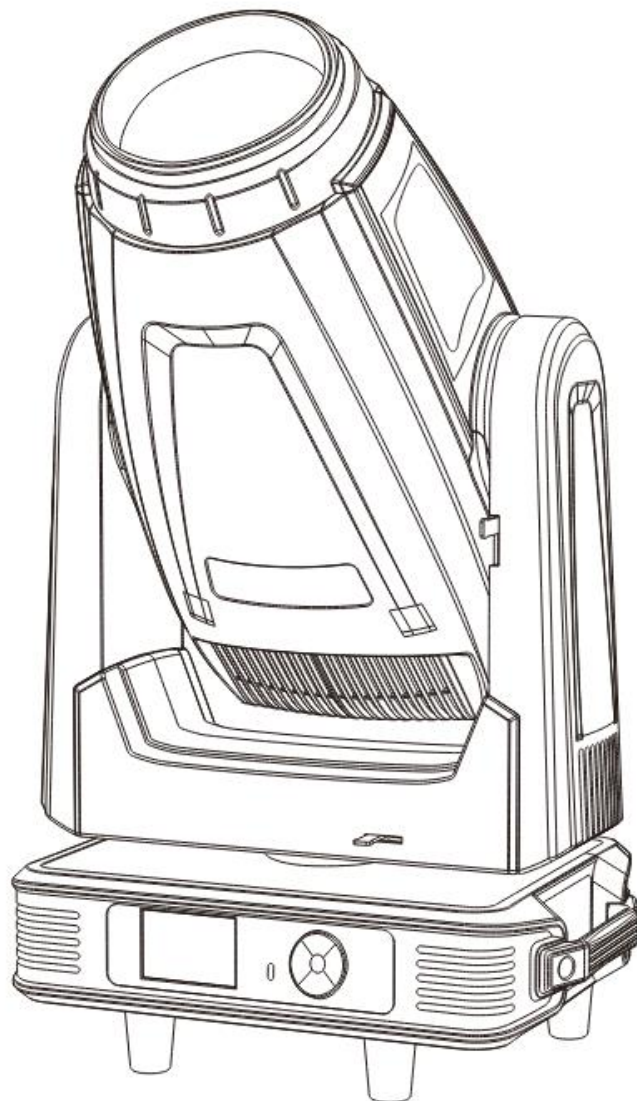


CYCLOPS

L I G H T I N G

ILLUMA 1000P

1000W LED Profile Moving Head



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1. PRODUCTION INTRODUCTION

The product is fully in conformity with the CE standard and the recipient country. The standard DMX512 signal mode is supported by the RDM protocol.

Production enforces standard IEC 60598-1:2014, IEC60598-2-17:2017.

SOURCE

- Light source: 1000W LED white light module
- Color temperature: 8000K
- Output: 51000lm
- Illuminance at 10m: 22800 lx/spot of 1.02m, 800 lx/spot of 9.32m
- LED Life expectancy: 20,000 hours

OPTICAL SYSTEM

- Beam angle: 7° to 53°
- Four shutter blades, 180° rotatable
- Electronic Focus
- Iris
- LED Frequency adjustment

DYNAMIC EFFECTS

- Dimmer: 0-100% linear adjustment
- Electronic Strobe
- Color mixing: CMY
- Color wheel: 6 colors + white
- CTO filter: 3200K to 6000K
- Static gobos: 9 gobos + open
- Rotating gobos: 6 gobos + open
- Rotating gobo size: OD= 29.9mm, ID=21mm
- Prism: 4 facets prism
- 3 Frost levels

CONTROL & PROGRAMMING

- Control Protocols: DMX, RDM, Art-net, Auto
- Channel mode: 42, 49, 52 channels
- Quiet Fan Mode
- Display: 2.8-inch touch screen, can be reversed 180°

MOVEMENT

- Pan: 540°
- Tilt: 270°
- Resolution: 16Bit

ELECTRICAL

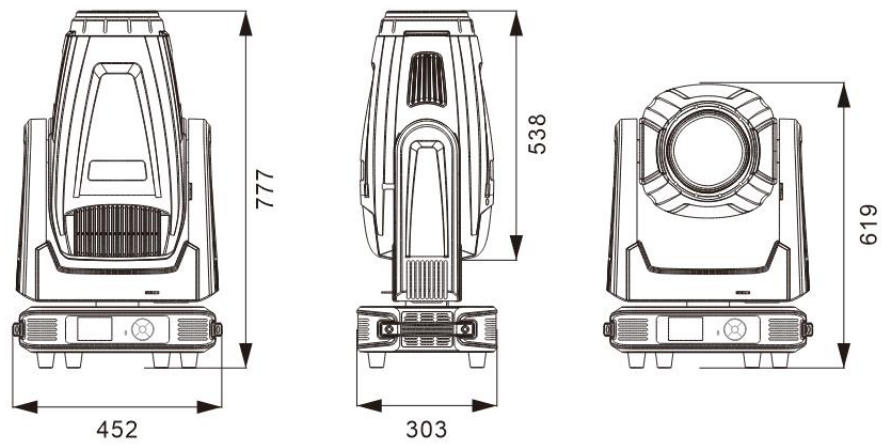
- Input voltage: AC110-240V/50-60Hz
- Power factor: $PF \geq 0.95$
- Power consumption: 1420W

PHYSICAL

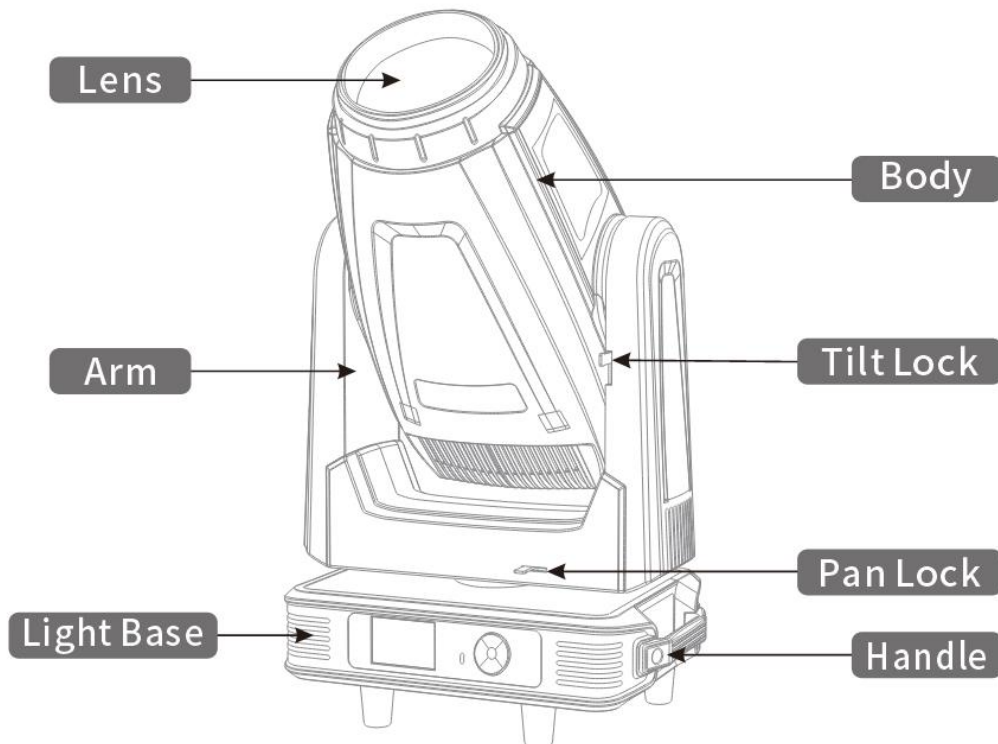
- Dimensions: 452 x 303 x 777 mm
- Weight: 35 Kg
- IP Rating: 20
- Color: Black

2. FIXTURE SIZE

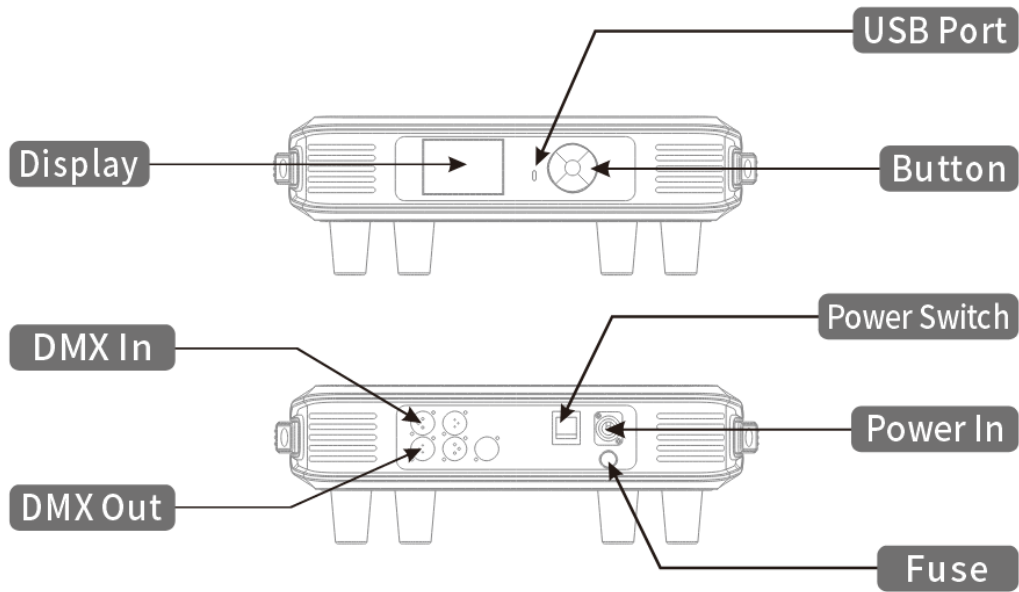
Product size: 452 (L) × 303 (W) × 777 (H) mm



3. PARTS INTRODUCTION



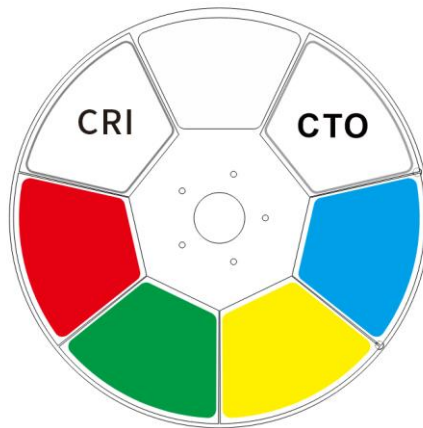
The structure of each part of the product is marked, and the main components of the lamps and lanterns are made up of the product names, so as to further understand the lamps and lanterns products.



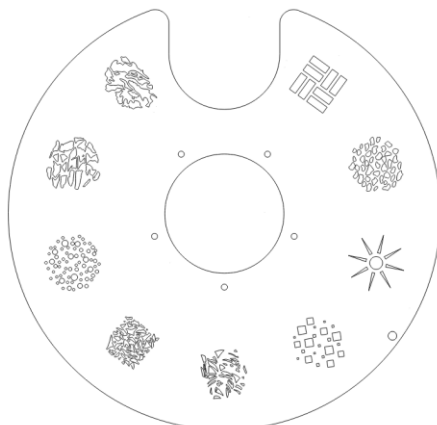
The function of the product panel is introduced, the name of the part on the panel is indicated, and the functions and functions of each part are familiar.

4. COLOR AND GOBO WHEELS

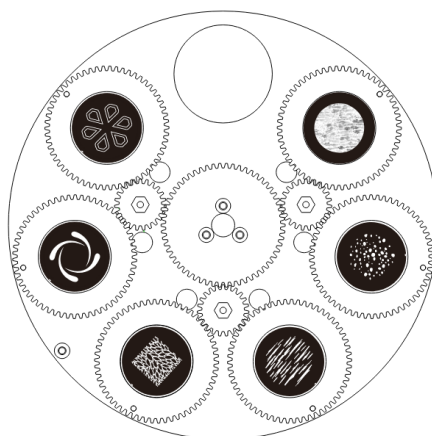
Color wheel: 6 fix color +white. CT:3200-6500K



Fixed GOBO: 9 GOBOS + white. Rich design, with the 4 prism better effect;



Rotation GOBO: 6 GOBOS+ white. The rotation of the GOBO is smooth and the changeable is convenient.



Equipped with a 4 prism, positive and negative rotation; linear atomization function; The prism with focused, rotated, enlarged and jitter, and the rotation speed can be adjusted.

5. SAFETY INFORMATION

5.1.1 SAFETY WARNING MESSAGE



1.This product is only suitable for professional use, and does not apply to security for other purposes.

After you got the lights, please check the package whether have any damage caused by transportation. If there is any damage, do not use this fixture, and please contact the dealer or manufacturer as soon as possible.

2.This product is only suitable for indoor, IP20 protection class. Lamps should be kept dry to avoid Moisture, overheating or dusty environment. Prevent lamps come into contact with water or any other liquid. The use of this product should pay attention to: fire, heat, electric shock, ultraviolet radiation, the lamp to explode or shedding caused serious or

fatal injury.

5.1.2 NEED TO READ THE INSTRUCTIONS BEFORE USE ENERGIZED

OR INSTALLING



1. Follow through the operation of security methods and pay attention to the warning signs on the specification and equipment.
2. If you have any problem for how to safely operate the equipment. Please contact your dealer.

5.1.3 OPERATION IS PROHIBITED



The above symbol specifies that the unit is in automatic mode. Manual operation is prohibited. Do not manually force the equipment or its elements.

5.1.4 POINTING IS PROHIBITED



Never point the lights directly to the sun or other strong light source.

5.2 TO PREVENT FALLING WOUNDING



1. Please don't move the package by one person only.
2. When hanging the fixture, please must verify that the facilities to be able to withstand the weight of the lamps at least 10 times more.
3. Please make sure the Mounting hardware is strong enough no any damage, and insurance for the safety rope as auxiliary security fixed in other facilities will need to verify before installation. Installing or removing the equipment, to make the pulley below the work location.

5.3 UA PROTECTION AND THE BULB EXPLOSION



1. Prohibit straight viewpoint with exposed bulbs to avoid UV damage to the eyes;
 2. Do not use the equipment without the lens screen and the lid;
- The lens and the light head covers should be timely replaced if any damage to rupture
3. The Fixture should be used with the protection screen together.

5.4.1 ANTI-HIGH TEMPERATURE (Rated maximum ambient temperature)



$t_a = 40^{\circ}\text{C}$

Please don't use the equipment if the temperature above 40°C .

5.4.2 ANTI-HIGH TEMPERATURE (Maximum outer surface temperature)

$t_c = 110^{\circ}\text{C}$

When the luminaire reaches the state of thermal stability, the maximum temperature on

the external surface can reach 110 degrees. Please do not touch the lamp body when the luminaire is working.

5.5 IP PROTECTION

The product is certified at IP 20 levels only. Adequate additional protection should be taken for outdoor use. All lamps, lights and their fittings should be kept dry. Overheating dust and excessive humidity must be avoided.

5.6 BURST PREVENTION

- 1.The lens should be changed if had damaged or any problems.
2. Don't change the non-original manufacturer len

5.7 PREVENTION OF ELECTIC SHOCK

- 1.The electrical connection must only be carried out with corresponding qualifications;
- 2.Before installing, make sure you use the power voltage lamps must comply with the identified power, voltage and have an overload or leakage protection;
- 3.Each lamp must be properly grounded, installed in accordance with the relevant standards;
- 4.Cut off the power when stall or replace the lamp and the fuse;
- 5.Prohibit the use of a lightning storm or wet environment.

5.8 MAINTENANCE

Before starting any maintenance work or cleaning the projector, cut off power from the mains supply. After switching off, any part of the luminaire cannot be disassembled within 10 minutes in order to avoid burns. If you need to replace the bulb, you have to wait 20 minutes to avoid burns.

5.9 TO PREVENT BUTNING OR FINE

- 1.Please do not install lamps directly on the surface of ordinary combustible materials.
2. Do not short-circuit temperature protection switch or fuse, use the specified type of fuse.
- 3.The equipment must be installed away from flammable and explosive materials.
The shortest distance between the equipment and the flammable material is10 M.
- 4.The equipment should be projected range of 15 meters away objects and projectiles temperature less than 60°C.
- 5.Fan or ventilation, at least in the range of 0.5 meters cannot be an obstacle.
- 6.Do not place any object on the lens.
- 7.Handling at least allows the device to cool for 20 minutes.
- 8.Do not use non - original accessories.

6. PACKAGE

packed with fly-case of two in one, or carton. Attach follow accessory

6.1 ACCESSORY

CONTENT	QUANTITY
USER MANUL	1
SIGNAL CABLE	1
Safety Steels (Selection)	1
Clamps (Selection)	2
drawbridge	2

6.2 TRANSPORT PROTECT LOCK

In order to protect the light, there is a protect lock; During the transport, the lock catch position need lock in the center, and the fixture keep in vertical state.

6.3 ABOUT PACKING

1. Before packed, make sure power is off, and wait for at least 20mins for cooling down.
2. Before clean the fixture, make sure X, Y axis protect lock closed.
3. After packed by plastic bag, high-lift the fixture with two handles besides the product. put the product into the fly-case up-side-down.
4. After packed the product, put the accessory into the accessory case, then closed and lock the fly-case.
5. Fly-case only up stacked two layers. Prohibited upside down
6. When packed with carton box, equipment should be put into the foam first, then set into a carton, pay attention to the vertical position.

6.4 UNPACKING

Note: Before unpacking check the damage is whether due to the transportation or not, if you find any such damage, please do not use this item, and contact with the dealer or manufacturer as soon as possible.

1. Open the fly case, and discover the inside plastic bag.
2. High-lift the product by two handles beside the bottom base and move it out.
3. Before power on, make sure you have opened the X, Y axis lock!

7. INSTALLATION STANDARD

7.1 INSTALLATION OF THE RIGGING

The product can be placed on the stage or mounted on any supporting frame. The

quick locking system can quickly and easily press 2 directions to lock on the bracket.

7.2 EQUIPMENT FIXATION

1. Before installation, it is necessary to verify that the gear clamp is not damaged and can bear at least 10 times the weight of the equipment. The verification building can bear the weight of at least 10 times the total weight of the equipment and fixture cable attached equipment.
2. The fixture is mounted on the base of the lamp body, inserts the fastener into the mounting hole of the base, and holds the handle of the fastener to lock the 1/4 ring clockwise, and the other fasteners are installed in the same way.
3. Install a safety rope that can withstand 10 times the weight of the equipment.
4. Check whether the vertical lock has been opened. There is no combustible or attached in the verification equipment within 3 meters. Near other flammable objects.

Attention!

Must use two clamps fix the fixture, and tighten the clamps with 1/4 lock, only fully clockwise rotate 90 ° then can lock the fasteners. Add one safety insurance rope on the hole of light base. pls attention not connect to the transport handle.

7.3 DEVICE CONNECTION

Attention!

1. One product only can accept one input one output.
2. The input is a DMX. The output is by means of a 3-core socket as follows.
Pin 1: +ve polarity signal
Pin 2: -ve polarity signal
Pin 3: Grounded.
3. DMX512 cable must use the professional shielded twisted pair cable; standard loudspeaker cable is not reliable to control the long-range data. 24AWG cable is suitable for more than 300 meters long-distance signal transmission and must add DMX 512 signal amplifier.
4. Do not use two outputs to separate the connection, if separate a continuous connection to branch, DMX512 splitter is necessary. If use the DMX512 splitter. At first connect DMX512 Splitter input terminal to controller. And then connected from the splitter output terminal to next device. Do as above guide to connect other device, and finally coupled with terminal insertion.

8. AC POWER

8.1 VOLTAGE, POWER, FUSE SPECIFICATION

Input Voltage	Total Power	Frequency
AC110-240V~	1420W	50/60HZ

Fuse voltage	Electronic current	Specification
250V	15A	5x20


8.2 POWER PROTECT

The equipment must be operated by professionals; Make sure that the voltage of power supply must be comply with the voltage identified on the lamp, and must have an overload or leakage electrical protection.

ATTENTION ! 

Factory has equipped the standard 3 pin plug socket. Connect the power supply as below table.

If lamp cable is damaged, replacement should be operated by factory or qualified staff. Any question, please contact professionals or talk to a qualified electrician.



Live wire (L)	Null (N)	Ground wire	
BROWN	BLUE	Yellow +Green	

9. LED SOURCE MODEL AND REPLACEMENT

9.1 LED LAMP DESCRIPTION

LED LAMP MODEL	POWER OF LAMP	LIFE/HOUR
1000W White LED Engine	1000W	20000 HOURS

9.2 LED LAMP REPLACE

WARNING!  

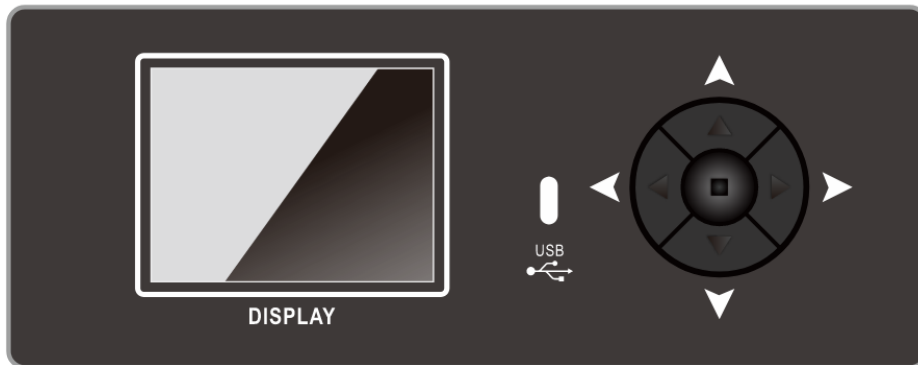
9.2.1 The light source of this luminaire is a non-user replacement light source. If it is broken, please replace it by the manufacturer or its agent service provider or a qualified person.

10. Warranty period for special accessories

10.1 LED drive have a 1-year warrantee.

10.2 The warranty period of power supply and electronic circuit board is 3 years.

10. CONTROL PANEL



Display: Display information data and control operations;

Button (▲): Data increment, scroll menu;

Button (▼): Data decrement, scroll menu;

Button (◀): Return;

Button (▶): OK;

Button (■): OK;

11. CONTROL PANEL MENU OPERATION

LCD DISPLAY CONTENTS				
Main Menu	Submenu 1	Submenu2	Function SET	Function description
DMX ADDRESS	0~9		1-512	DMX address 1-512
			→	Each time the number of channels in this mode is increased
			√	Save the data and return to the main interface
			X	Back to Home page
FEATURES SETTINGS	Ch.Mode		42CH	42 channel mode
			49CH	49 channel mode
			31CH	31 channel mode
	Signal		DMX	Wired DMX (default)
			ArtNet	Network
			WDMX	Wireless DMX (customized)
	Remote IP:		ANY	Any remote IP (valid in customized ArtNet mode)
			Designate	Specify remote IP (valid in customized ArtNet mode)
	Lost DMX:		Hold	keep signal data
			Blackout	clear signal data

		Flash	Enable scene backup data	
DMX Output:		Open	DMX output is on (customized WDMX and ArtNet modes are valid)	
		Close	DMX output is off (customized WDMX and ArtNet modes are valid)	
Wire Set:		Hold	WDMX settings remain (customized WDMX mode is valid)	
		Clear	WDMX settings cleared (customized WDMX mode is valid)	
Pan Reverse:		Off	Pan Scan Normal	
		On	Pan Scan Reverse	
Tilt Reverse:		Off	Tilt Scan Normal	
		On	Tilt Scan Reverse	
PT Speed:		Noml	Pan/Tilt Scan Speed setting normal	
		Slow	Pan/Tilt Scan Speed setting slow	
		Fast	Pan/Tilt Scan Speed setting fast	
Opto Check:		Off	Pan/Tilt optical sensor testing off	
		On	Pan/Tilt optical sensor testing on	
Fan Mode:		Standard	Standard	
		Quiet	Quiet	
		Off	Off	
Color Mode:		Standard	Standard	
		Custom	Customization (compatible with older versions)	
		ADV.	Enter the advanced settings interface (ADVANCED FUNCTION)	
		RST.	Reset settings and return to main interface	
		SAVE	Save the data and return to the main interface	
		ESC	Back to Home page	
ZEROSETTING				
ADVANCED FUNCTION	Redress	Pan:	0-255	Motor zero calibration
		Tilt:		
		Focus:		
		Zoom:		
		Cyan:		
		Magenta:		
		Yellow:		
		CTO:		
		Color:		
		Dimmer:		
		Iris		
		Static Gobo:		
		Rot Gobo:		

		GoboRot :		
		Prism:		
		Prism Rot:		
		Frost:		
		Blade Up1:		
		Blade Up2:		
		Blade Down1:		
		Blade Down2:		
		Blade Right1:		
		Blade Right2:		
		Blade Left1:		
		Blade Left2:		
		FrameRot:		
		Frost2:		
		XGobo		
		Blade Up2_1:		
		Blade Up2_2:		
		Blade Down2_1:		
		Blade Down2_2:		
	>	Current value +1		
	<	Current value -1		
	ESC	Return to the previous interface		
	ChanlDef	Not activated		
	FactSett	For factory use only		
	UseManage	For factory use only		
	TimerLimit	For factory use only		
InputCode	0~9	0-65535	Unlock password	
		→	+1 value each time	
		√	Enter the next interface if the password is correct; otherwise exit the current interface.	
		∕	Exit the current interface	
MANUAL	Motor Reset	All Motors	All motors	
		XY Motors	XY motor	
		Part Motors	local motor	
	Auto Run	Auto	YES	Selected motor reset
			ESC	Return to the previous interface
				Self-propelled mode

		Sound		Voice control mode
			ESC	Return to the previous interface
	Manual Dmx	Pan:	0-255	Manual control
		Pan Fine:		
		Tilt:		
		Tilt Fine:		
		PT Speed:		
		Special Fun:		
		LED		
		Frequency:		
		Frequency		
		Fine:		
		Max.light		
		Setting:		
		Color1:		
		Color1 Fine:		
		Color2:		
		Color2 Fine:		
		Cyan:		
		Magenta:		
		Yellow:		
		CTO:		
		Virtual Color:		
		Effect Speed:		
		CMY Speed:		
		Beam Speed:		
		Effect_W:		
		Effect_R:		
		Effect_A:		
		Static Gobo:		
		Rot Gobo:		
		Gobo Rot:		
		GRot Fine:		
		Prism:		
	Prism Rot:			
	Frost:			
	Iris:			
	Iris Fine:			
	Zoom:			
	Zoom Fine:			
	Focus:			
	Focus Fine:			
	FramRot:			

	Blade Up1:					
	Blade Up2:					
	Blade Down1:					
	Blade Down2:					
	Blade Right1:					
	Blade Right2:					
	Blade Left1:					
	Blade Left2:					
	Strobe:					
	Dimmer:					
	Dimmer Fine:					
					SAVE	Save the data and return to the previous interface; no signal automatically activates the current data
					>	Current value +1
		<	Current value -1			
ESC	ESC	Return to the previous interface				
ESC		Back to Home page				
INFORMATION	DMX Value	CH00-CH49	0-255	DMX value number		
	Error Info	Pan:	Right/Erro	Motor reset status		
		Tilt:				
		Focus:				
		Zoom:				
		Color:				
		Static Gobo:				
		Rot Gobo:				
		Gobo Rot:				
		Cyan:				
		Magenta:				
		Yellow:				
		CTO:				
		FramRot:				
		ESC	Return to the previous interface			
	Version	IAP Version:	xx-xx-xx-xx	IAP upgrade version number		
		DisVersion:	Vxxx	Panel software version number		
		XY Version:	Vxxx	XY axis software version number		
		M1 Version:	Vxxx	M1 Software version number		
		M2 Version:	Vxxx	M2 Software version number		
		M3 Version:	Vxxx	M3 Software version number		
		M4 Version:	Vxxx	M4 Software version number		
			ESC	Return to the previous interface		
	Device ID		0x*****	RDM address		
			ESC	Return to the previous interface		

	Other Info	LightType:	fixture model	fixture model
		Run Time:	0-9999	fixture running time
		SRTS:	0-9999	Time left
		Fan 1:	0-9999	Fan 1 speed
		Fan 2:	0-9999	Fan 2 speed
		Temp:	0-125	Fixture body temperature
	ESC	ESC	Return to the previous interface	Back to Home page
DISPLAY SETTINGS	Brightness:		1-7	Backlight brightness setting
	Light Off:		On	Backlight always on
			1Min	Backlight turns off after 1 minute
			2Min	Backlight turns off after 2 minutes
			3Min	Backlight turns off after 3 minutes
	Menu Back:		Off	Close menu and return automatically
			1Min	Menu will return in 1 minute
			2Min	Menu returns in 2 minutes
			3Min	Menu will return in 3 minutes
	Light Flash:		Off	Turn off backlight flashing
			On	Turn on backlight flash
	Touch Cali:		Off	Turn off touch calibration
			On	Turn on touch calibration
			SAVE	Save the data and return to the main interface
		ESC	Back to Home page	
DIMMER SETTINGS	Curve Mode:		Stan	Standard
			Custom	Customization (compatible with older versions)
	Dim Freq:		4K	Dimming frequency 1
			10K	Dimming frequency 2
			20K	Dimming frequency 3
			40K	Dimming frequency 4
	Dim Curve:		Linear	Linear
			EXP	Index
			S_Cur	S curve
			REXP	inverse index
	Dim Mode:		Stan	Standard
			Off	Off
			Fast	Fast
			Slow	Slow
	Balance SW:		Off	White balance off
			On	White balance on
Balance Red:		0-255	White balance red	

	Balance Green:			White balance green	
	Balance Blue:			White balance blue	
	Balance White:			White balance white	
				SAVE	Save the data and return to the main interface
				ESC	Back to Home page

12. DMX Channels

49 CH	42 CH	31 CH	function	DMX value	channel function
1	1	1	Horizontal rotation	0-255	0~540 degree
2	2	2	Horizontal fine-tuning	0-255	Horizontal fine-tuning
3	3	3	Vertical rotation	0-255	0~270 degree
4	4	4	Vertical fine-tuning	0-255	Vertical fine-tuning
5	5	5	P/T speed	0-255	P/T speed
6	6	6	Function settings	0-49	/
				50-54 (Hold for 3 seconds)	xy detection on
				55-59 (Hold for 3 seconds)	xy detection off(power off)
				60-79	/
				80-84 (Hold for 3 seconds)	Light source switch (high brightness) default
				85-89 (Hold for 3 seconds)	Light source switch (high visibility)
				90-99	/
				100-104 (Hold for 3 seconds)	Inverse exponential dimming curve
				105-109 (Hold for 3 seconds)	S-type dimming curve
				110-114 (Hold for 3 seconds)	Exponential dimming curve
				115-119 (Hold for 3 seconds)	Linear dimming curve
				120-124 (Hold for 3 seconds)	Smooth dimming
				125-129 (Hold for 3 seconds)	Fast dimming
130-139	/				

				140-149 (Hold for 3 seconds)	XY axis reset
				150-159	/
				160-169 (Hold for 3 seconds)	Small motor reset
				170-199	/
				200-209 (Hold for 3 seconds)	System reset
				210-239	/
				240 (Hold for 3 seconds)	Silent mode off
				241-255 (Hold for 3 seconds)	Silent mode on
7	7	*	LED frequency	0-4	/
				5-9 (Hold for 3 seconds)	4K
				10-14 (Hold for 3 seconds)	10K
				15-19 (Hold for 3 seconds)	20K
				20-24 (Hold for 3 seconds)	40K
				25-255	/
8	8	*	LED frequency fine-tuning	0-255	/
9	9	*	Brightness settings	0-255	/
10	10	7	Color wheel 1	0-127	Color wheel continuous positioning
				128-129	White
				130-141	Red
				142-153	Green
				154-165	Yellow
				166-189	Blue
				190-215	Color wheel forward rotation from fast to slow
				216-217	Stop
				218-243	Color wheel reversal from slow to fast
				244-249	Sound-controlled random color
				250-255	Random color from fast to slow
11	*	*	Color 1 fine-tuning	0-255	/
12	11	8	Color wheel 2	0-255	Display index
13	*	*	Color 2 fine-tuning	0-255	/
14	12	9	Cyan	0-255	Linear cyan
15	13	10	Magenta	0-255	Linear magenta
16	14	11	Yellow	0-255	Linear yellow

17	15	12	Color temperature	0-255	Linear color temperature
18	16	*	Color macros	0-255	/
19	17	*	Effect speed	0-255	/
20	18	*	CMY speed	0-255	/
21	19	*	Beam speed	0-255	/
22	20	*	Effect wheel	0-255	/
23	21	*	Effect auto-rotation	0-255	/
24	22	*	Effect macros	0-255	/
25	23	*	Fixed Gobo	0-8	White light
				9-17	Gobo 1
				18-26	Gobo 2
				27-35	Gobo 3
				36-44	Gobo 4
				45-53	Gobo 5
				54-62	Gobo 6
				63-71	Gobo 7
				72-80	Gobo 8
				81-91	Gobo 9
				92-103	Gobo 1 jitter
				104-115	Gobo 2 jitter
				116-127	Gobo 3 jitter
				128-139	Gobo 4 jitter
				140-151	Gobo 5 jitter
				152-163	Gobo 6 jitter
				164-175	Gobo 7 jitter
				176-187	Gobo 8 jitter
				188-199	Gobo 9 jitter
				200-201	White light
202-222	Gobo wheel reversal from fast to slow				
223-243	Gobo wheel forward rotation from slow to fast				
244-249	Sound-controlled random Gobo				
250-255	Random Gobo from fast to slow				
26	24	13	Rotation Gobo	0	/
				1-3	Maximum white light aperture
				Gobo positioning (Gobo auto-rotation index mode)	
				4-7	Gobo 1
				8-11	Gobo 2
				12-15	Gobo 3
				16-19	Gobo 4
				20-23	Gobo 5
				24-31	Gobo 6
				Gobo positioning (Gobo auto-rotation mode)	
				32-35	Gobo 1

				36-39	Gobo 2
				40-43	Gobo 3
				44-47	Gobo 4
				48-51	Gobo 5
				52-59	Gobo 6
				Gobo jitter from slow to fast (Gobo auto-rotation index mode)	
				60-69	Gobo 1 jitter
				70-79	Gobo 2 jitter
				80-89	Gobo 3 jitter
				90-99	Gobo 4 jitter
				100-109	Gobo 5 jitter
				110-129	Gobo 6 jitter
				Gobo jitter from slow to fast (Gobo auto-rotation mode)	
				130-139	Gobo 1 jitter
				140-149	Gobo 2 jitter
				150-159	Gobo 3 jitter
				160-169	Gobo 4 jitter
				170-179	Gobo 5 jitter
				180-199	Gobo 6 jitter
				200-201	Maximum white light aperture
				202-222	Gobo wheel reversal from fast to slow
				223-243	Gobo wheel forward rotation from slow to fast
				244-249	Sound-controlled random Gobo
				250-255	Random Gobo from fast to slow
				(Gobo auto-rotation index mode)	
				0-255	Index
				(Gobo auto-rotation mode)	
				0	Stop
				1-127	Counterclockwise rotation from fast to slow
				128	Stop
				129-255	Clockwise rotation from slow to fast
27	25	14	Gobo auto-rotation		
28	*	*	Gobo auto-rotation fine-tuning	0-255	Gobo auto-rotation fine-tuning
				0-19	/
				20-73	Prism index
				74-127	Prism
				128-135	Prism macro 1
				136-143	Prism macro 2
				144-151	Prism macro 3
				153-159	Prism macro 4
				160-167	Prism macro 5
				168-175	Prism macro 6
				176-183	Prism macro 7
29	26	15	Prism		

				184-191	Prism macro 8
				192-199	Prism macro 9
				200-207	Prism macro 10
				208-215	Prism macro 11
				216-223	Prism macro 12
				224-231	Prism macro 13
				232-239	Prism macro 14
				240-247	Prism macro 15
				248-255	Prism macro 16
30	27	16	Prism auto-rotation	Index mode	
				0-255	Index
				Auto-rotation mode	
				0	Stop
				1-127	Counterclockwise rotation from fast to slow
				128	Stop
				129-255	Clockwise rotation from slow to fast
31	28	17	Atomization	0	/
				Light atomization	
				1-50	Linear atomization 1-100%
				51-86	Light atomization
				Heavy atomization	
				87-136	Linear atomization 1-100%
				137-172	Heavy atomization
				Mixed atomization	
				173-222	Linear atomization 1-100%
				223-255	Mixed atomization
32	29	*	Iris	0	Iris closed
				1-179	Linear iris from large to small
				180-191	Iris open
				192-219	Slow open and fast close, from slow to fast
				220-247	Fast open and slow close, from fast to slow
				248-251	Slow open and fast close, from fast to slow, random
				252-255	Fast open and slow close, from fast to slow, random
33	*	*	Iris fine-tuning	0-255	/
34	30	18	Zoom	0-255	Linear zoom
35	*	*	Zoom fine-tuning	0-255	Zoom fine-tuning
36	31	19	Focus	0-255	Linear focus
37	*	*	Focus fine-tuning	0-255	Focus fine-tuning
38	32	20	Slice rotation	0-255	Slice rotation

39	33	21	Slice Up 1	0-255	Slice up 1
40	34	22	Slice Up 2	0-255	Slice up 2
41	35	23	Slice Down 1	0-255	Slice down 1
42	36	24	Slice Down 2	0-255	Slice down 2
43	37	25	Slice Left 1	0-255	Slice left 1
44	38	26	Slice Left 2	0-255	Slice left 2
45	39	27	Slice Right 1	0-255	Slice right 1
46	40	28	Slice Right 2	0-255	Slice right 2
47	41	29	Strobe	0-31	Strobe off
				32-63	Strobe on
				64-95	Strobe from slow to fast
				96-127	Strobe on
				128-143	Pulse fade-in strobe from fast to slow
				144-159	Pulse fade-out strobe from slow to fast
				160-191	Strobe on
				192-223	Random strobe from slow to fast
224-255	Strobe on				
48	42	30	Dimming	0-255	Dimming coarse-tuning
49	*	31	Dimming fine-tuning	0-255	Dimming fine-tuning

13. ROUTINE MAINTENANCE

Cleaning and maintenance



Warning:

1. Turn off the power before opening any cover.
2. Dust or floats can be blown gently with a vacuum cleaner or a pressure blow machine.
3. In order to ensure the projector could work normally. It should be kept clean always. It is recommended that the fans and ventilation in let should be cleaned every 15 days. The lens and dichroic colour filters should also be regularly cleaned to maintain an optimum light output. Do not use any type of solvent on dichroic colour filters. It will damage the projector.
4. Suggestion: The continue usage of the light don't exceed 4 hours. Or it will shorter the usage of the lamp. Please use the alternative operation to solve these problems.
5. Please disconnect the power supply when begin to maintenance takedown the light. Please let the parts cool down 10 minutes at least then begin to install. If need to replace the lamp, please wait 10 minutes again at least to let the lamp cool down completely or which may be burned down.

6. Please inspect the lens or other moving parts timing and keep them clear and static. If find anything damaged or looseness, must change a lamp or fix the lamp in order to avoid the accident.

7. The light uses the strong cool system. It is easy for the dirty to be collected. Please do clear the hot-ask one time two week at least.

8. After you use the light, please check the intake place whether there are some wastepaper, please clean it up, or the windmill will break down and causing fire.