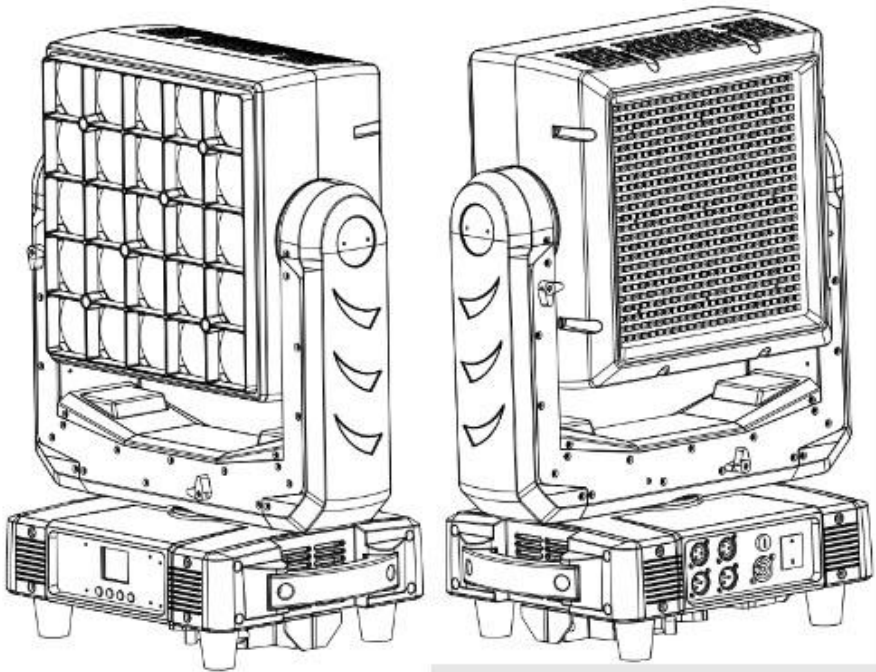


2540

**25\*40W matrix zoom wash & strobe light  
(With ArtNet)**



User manual

Please read the instructions carefully before use

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## statement

The product has well capability and intact packing when leave factory. All of the user should comply with warning item and manual, any misuse cause of the damages are not included in our guarantee, and also can not be responsible for any malfunction & problem owing to ignore the manual.

# 1. Safety Instructions

Please keep this User Guide for future consultation. If you sell the unit to another user, be sure that they also receive this instruction booklet.

- ☒ Unpack and check carefully there is no transportation damage before using the unit.
- ☒ Before operating, ensure that the voltage and frequency of power supply match the power requirements of the unit.
- ☒ It's important to ground the yellow/green conductor to earth in order to avoid electric shock.
- ☒ The unit is for indoor use only. Use only in a dry location.
- ☒ The unit must be installed in a location with adequate ventilation, at least 50cm from adjacent surfaces. Be sure that no ventilation slots are blocked.
- ☒ Disconnect main power before replacement or servicing.
- ☒ Make sure there are no flammable materials close to the unit while operating as it is fire hazard.
- ☒ Use safety cable when fixes this unit. DO NOT handle the unit by taking its head only, but always by taking its base.
- ☒ Maximum ambient temperature is  $T_a$ : 40°C. DO NOT operate it where the temperature is higher than this Unit surface temperature may reach up to 85°C. DO NOT touch the housing bare-hand during its operation. Turn off the power and allow about 15 minutes for the unit to cool down before replacing or serving.
- ☒ In the event of serious operating problem, stop using the unit immediately. Never try to repair the unit by yourself. Repairs carried out by unskilled people can lead to damage or malfunction. Please contact the nearest authorized technical assistance center. Always use the same type spare parts.
- ☒ DO NOT touch any wire during operation as high voltage might be causing electric shock.

## **Warning:**

- ☒ To prevent or reduce the risk of electrical shock or fire, do not expose the unit to rain or moisture.
- ☒ DO NOT open the unit within five minutes after switching off.
- ☒ The housing, the lenses, or the ultraviolet filter must be replaced if they are visibly damaged.

## **Caution:**

There are no user serviceable parts inside the unit. DO NOT open the housing or attempt any repairs yourself. In the unlikely event your unit may require service, please contact your nearest dealer.

## **Installation:**

The unit should be mounted via its screw holes on the bracket. Always ensure that the unit is firmly fixed to avoid vibration and slipping while operating. And make sure that the structure to which you are attaching the unit is secure and is able to support a weight of 10 times of the unit's weight. Also always use a safety cable that can hold 12 times of the weight of the unit when installing the fixture.

The equipment must be fixed by professionals. And it must be fixed at a place where is out of the touch of people and has no one pass by or under it.

# **2. Technical Specifications**

## **Light Source:**

1>Wash effect - 25x 40W LED 4in1 RGBW ;

2>Strobe effect - 576\*0.2W 4in1 RGBW LED. (Lifespan> 50,000 hours)

## **Optical system:**

Beam angle:  $3.5^{\circ}$  -  $45^{\circ}$  ;

Glass light guide + PMMA high-quality optical lens

Power Consumption: 1100W; Power factor  $PF \geq 0.95$

Power Voltage: AC 100-240V, 50/60Hz

Working temperature:  $-10^{\circ}\text{C} \sim 45^{\circ}\text{C}$

## **Weight and dimensions:**

Dimension: 420mm × 376mm × 560mm

Net Weight: 24Kgs

### **Packing details:**

Flight case 2-in-1: 743 \* 462 \* 770mm, gross weight: 78.8kg;

Carton case 1-in-1: 530 \* 420 \* 595mm, gross weight: 28.5kg

### **Control**

Control Modes: DMX512, Artnet control

DMX mode :26/33/43/143/120

Artnet mode : 120 channels

### **Pan/Tilt**

Pan/Tilt: infinite rotation (using photoelectric reset system)

Tilt: 360 ° ,accuracy 0.86 ° / step, fine-tuning accuracy: 0.0034 °

Pan: 540 ° , accuracy 2.11 ° / step, fine-tuning accuracy: 0.008 ° ;

### **Construction**

Display: 180° reversible 2.4-inch TFT color display(Chinese or English)

Data In/Out socket: 3-pin & 5-pin XLR sockets

Powercon in

Protection Rating: IP20

### **Features**

Effect configuration: full light domain dimming, 65536 level dimming accuracy; fast strobe 1 ~ 25Hz; preset various kinds of color macro function; preset various kinds of effect macro function

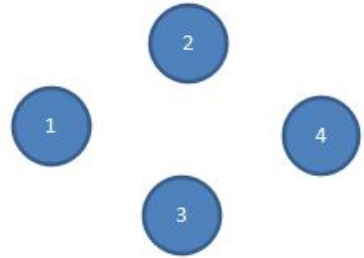
Led temperature protection & Speed of fan automatic adjustment based on the temperature of the head.

Single led control, zoom effect, ArtNet control , infinite Pan and tilt rotation.

**Electronic control technology:** menu or console control lamp reset; 0-100% dimming; constant current drive mode; temperature sensor detection, intelligent adjustment of light source power; lamp information query; intelligent fan speed adjustment

**Safety protection:** over current, over voltage, over heat protection, XY fixed lock

# 3. How To Control The Unit



**1-MENU**

**2-UP**

**3-DOWN**

**4-ENTER**

## Display:

- MENU To select the programming functions
- DOWN To go backward in the selected functions
- uP To go forward in the selected functions
- ENTER To confirm the selected functions

## Set DMX Address Code

- 1 Press **"Menu"** to "Set DMX Address",and press**"ENTER"** keys to enter into
- 2 Show "Set DMX Address DMX Address:**001**",Press the **"UP and DOWN"** keys to amended
- 3 Press **"ENTER"**keys to save and Exit,Press the**"MENU"**Keys does not save and Exit
- 4 . Press 'left' and 'right' to reverse the display

Menu	Pan Degree	1.540° ; 360°	X-axis running angle selection
	Mic Sense	001 - 100	Sound control sensitivity adjustment
	Pan Invert	1.NO 2.YES	X axis forward and reverse setting
	Tilt Invert	1.NO 2.YES	Y axis forward and reverse setting
	No Signal	1.Black out 2.Hold	
	Fan Set	1.Auto 2.Low 3.High	

	ArtNet Set	1.ArtNet Enable:1.ON 2.OFF	
		2.Universe:0 --- 255	
		3.IP model:A:2.X.X.X Auto B:10.X.X.X Auto C:Custom	
		5.SubNet Mask:255.000.000.000	
	Default	Yes	Factory reset
		No	
	Adjust	Pass Word: ****	Changing the value of Pan / Tilt / Focus can correct the angle; changing the value of R / G / B / W can adjust the white balance
		Pan: 0 - 255	
		Tilt: 0 - 255	
Focus: 0 - 255			
Red: 0 - 255			
Green: 0 - 255			
Blue: 0 - 255			
White: 0 - 255			
Address	Setting from 001 - 512		
Channel	26 channels	Select channel mode	
	33 channels		
	43 channels		
	143 channels	Select channel mode	
	120 channels		

Inform	1.CH Value	Each channel show CH value
	2.Temp ____°C	Show the temperature of led board
	3.Soft V.XXX	Show the version number
	4. IP	002.050.164.014
	5. Mask	255.000.000.000
Mode	1.DMX 512	
	2.AUTO	
	3.SOUND	
	4.Manual	Pan : 0--255
		Tilt : 0--255
		Focus : 0--255
		Red : 0--255
		Green : 0--255
		Blue : 0--255
		White: 0--255
5.Master/Alone	Master	
	Alone	
Language	English	Choose a language
	Chinese	
Reset	1.YES 2.NO	
Display	1.YES 2.NO	



# 4.DMX Channel List

## 26CH

Channel		Display	Function	Value
CH-1	Positive	Red	Red dimming	0 --- 255
CH-2		Red adjustment	Red adjustment	0 --- 255
CH-3		Green	Green dimming	0 --- 255
CH-4		Green adjustment	Green adjustment	0 --- 255
CH-5		Blue	Blue dimming	0 --- 255
CH-6		Blue adjustment	Blue adjustment	v
CH-7		White	White dimming	0 --- 255
CH-8		White adjustment	White adjustment	0 --- 255
CH-9		Color temperature	0--15	
	16--35			R100%,G UP,B0%
	36--55			R DOWM,G100%,B0%
	56--75			R0%,G100%,B UP
	76--95			R0%,G DOWM,B100%
		96--115		R UP,G0%,B100%

CH-9	Positive	Color temperature	116--135	R100%,G0%,B DOWM
			136--155	R100%,G UP,B UP
			156--175	R DOWM,G DOWM,B100%
			176--195	R 100%,G 100%,B100%,W10 0%
			196--200	2800K
			201--205	3200K
			206--210	4000K
			211--215	4500K
			216--220	5000K
			221--225	5600K
			226--230	6500K
			231--235	7000K
			236--240	7500K
			241--255	8000K
CH-10		Macro color	0--9	No effect
			10--19	Macro color 1
			20--29	Macro color 2
			..... (10 numbers and one type)	.....

CH-10	Positive	Macro color	240--249	Macro color 24	
			250--255	Macro color 25	
CH-11		Dimming	0--255	from dark to light	
CH-12		Dimming adjust	0--255	Dimming Control	
CH-13		Strobe	0--3	Light up	
			4--203	Synchronous strobe speed from slow to fast (1HZ-25HZ)	
			204--255	Random strobe	
CH-14		Reverse side	R dimming	0--255	from dark to light
CH-15			G dimming	0--255	from dark to light
CH-16			B dimming	0--255	from dark to light
CH-17	W dimming		0--255	from dark to light	
CH-18	Dimmer		0--255	from dark to light	
CH-19	Strobe		0--3	Light up	
		4--203	Synchronous strobe speed from slow to fast (1HZ-25HZ)		
		204--255	Random strobe		
CH-20	Pan		0--255	Pan control	
CH-21	Tilt		0--255	Tilt control	
	Pan infinite control		No effect	0----55	

CH-22		Go from slow to fast	56----155
		Reverse from slow to fast	156----255
CH-23	Tilt infinite control	No effect	0----55
		Go from slow to fast	56----155
		Reverse from slow to fast	156----255
CH-24	Focus	0--255	Focusing
CH-25	Dimming mode	0--49	Mode 1
		50--99	Mode 2
		100--149	Mode 3
		150--255	Mode 4
CH-26	Reset	0--250	No effect
		251--255	Reset within 5S

## 33CH

Channel	Display	Function	Value
CH-1	Pan	0--255	Pan control
CH-2	Tilt	0--255	Tilt control
CH-3	Pan/Tilt speed	0--255	From fast to slow
		No effect	0----55

CH-4	Pan infinite control		Go from slow to fast	56----155
			Reverse from slow to fast	156----255
CH-5	Tilt infinite control		No effect	0----55
			Go from slow to fast	56----155
			Reverse from slow to fast	156----255
CH-6	Focus		0--255	from small to large
CH-7	Positive	Dimming	0--255	from dark to light
CH-8		Strobe	0--3	Light up
			4--203	Synchronous strobe speed from slow to fast (1HZ-25HZ)
			204--255	Random strobe
CH-9		R dimming	0--255	from dark to light
CH-10		G dimming	0--255	from dark to light
CH-11		B dimming	0--255	from dark to light
CH-12		W dimming	0--255	from dark to light
CH-13			36--55	R DOWM,G100%,B0 %
			56--75	R0%,G100%,B UP

CH-13	Positive	Color temperature	76--95	R0%,G DOWM,B100%
			96--115	R UP,G0%,B100%
			116--135	R100%,G0%,B DOWM
			136--155	R100%,G UP,B UP
			156--175	R DOWM,G DOWM,B100%
			176--195	R100%,G100%,B1 00%,W100%
			196--200	2800K
			201--205	3200K
			206--210	4000K
			211--215	4500K
			216--220	5000K
			221--225	5600K
			226--230	6500K
			231--235	7000K
236--240	7500K			
CH-13		Color temperature	241--255	8000K
			0--9	No effect
			10--19	Macro color 1
			20--29	Macro color 2

CH-14	Positive	Macro color	..... (10 numbers and one type)	.....
			240--249	Macro color 24
			250--255	Macro color 25
CH-15		Static pattern	0--9	No effect
			10--12	Monochrome pattern 1
			13--15	Monochrome pattern 2
			..... (3 numbers and one type)	.....
			208--210	Monochrome pattern 67
			211--213	Mixed color pattern 1
			214--216	Mixed color pattern 2
CH-15	Static pattern	..... (3 numbers and one type)	.....	
		250--252	Mixed color pattern 14	
		253--255	Mixed color pattern 15	
			0--9	No effect
			10--14	Monochrome dynamic pattern 1

CH-16	Positive	Dynamic pattern	15--19	Monochrome dynamic pattern 2
			..... (5 numbers and one type)	.....
			155--159	Monochrome dynamic pattern 30
			160--164	Mixed color dynamic pattern 1
			165--169	Mixed color dynamic pattern 2
			..... (5 numbers and one type)	.....
			220--224	Mixed color dynamic pattern 13
			225--255	Mixed color dynamic pattern 14
CH-17	Positive	Pattern translation (with 16 channels)	0--255	Selecting a dynamic pattern scene
CH-18		Dynamic pattern speed (with 16 channels)	0--9	No effect
			10--132	Walking, fast to slow
			133--255	Go backwards, from slow to fast
CH-19	Background color R	0--255	from dark to light	



CH-20		Background color G	0--255	from dark to light
CH-21		Background color B	0--255	from dark to light
CH-22		Background color W	0--255	from dark to light
CH-23		Total dimming	0--255	from dark to light
CH-24	Reverse side	Strobe	0--3	Light up
			4--203	Synchronous strobe speed from slow to fast (1HZ-25HZ)
			204--255	Random strobe
CH-25		R dimming	0--255	from dark to light
CH-26		G dimming	0--255	from dark to light
CH-27		B dimming	0--255	from dark to light
CH-28		W dimming	0--255	from dark to light
CH-29		Pattern effect	0--255	from dark to light
CH-30		Pattern translation (with 29 channels)	0--255	Select a pattern scene
CH-31		Pattern self-propelled speed (with 29 channels)	0--255	Select a pattern scene
CH-32	Dimming mode		0--49	Mode 1
			50--99	Mode 2

		100--149	Mode 3
		150--255	Mode 4
CH-33	Reset	0--250	No effect
		251--255	Reset within 5S

## 43CH

Channel	Display	Function	Value	
CH-1	Pan	0--255	Pan control	
CH-2	Pan adjustment	0--255	Adjustment control	
CH-3	Tilt	0--255	Tilt control	
CH-4	Tilt adjustment	0--255	Adjustment control	
CH-5	Pan/Tilt speed	0--255	From fast to slow	
CH-6	Pan infinite control	No effect	0----55	
		Go from slow to fast	56----155	
		Reverse from slow to fast	156----255	
CH-7	Tilt infinite control	No effect	0----55	
		Go from slow to fast	56----155	
		Reverse from slow to fast	156----255	
CH-8	Focus	0--255	focusing	
CH-9		Dimmer	0--255	from dark to light

CH-10	Positive	Dimming	0--255	fine-tuning control
CH-11		Strobe	0--3	Light up
			4--203	Synchronous strobe speed from slow to fast (1HZ-25HZ)
			204--255	Random strobe
CH-12		R	0--255	Red dimming
CH-13		R adjust	0--255	Red adjustment
CH-14		G	0--255	Green dimming
CH-15		G adjust	0--255	Green adjustment
CH-16		B	0--255	Blue dimming
CH-17		B dimming	0--255	Blue adjustment
CH-18		W	0--255	White dimming
CH-19		W dimming	0--255	Green adjustment
CH-20		Dimming mode	0--49	Mode 1
			50--99	Mode 2
			100--149	Mode 3
			150--255	Mode 4
			0--15	No
			16--35	R100%,G UP,B0%
			36--55	R DOWM,G100%,B0 %
			56--75	R0%,G100%,B UP

CH-21	Positive	Color temperature	76--95	R0%,G DOWM,B100%
			96--115	R UP,G0%,B100%
			116--135	R100%,G0%,B DOWM
			136--155	R100%,G UP,B UP
			156--175	R DOWM,G DOWM,B100%
			176--195	R 100%,G 100%,B100%,W10 0%
			196--200	2800K
			201--205	3200K
			206--210	4000K
			211--215	4500K
			216--220	5000K
			221--225	5600K
			226--230	6500K
			231--235	7000K
			236--240	7500K
CH-21		Color temperature	241--255	8000K
			0--9	No effect
			10--19	Macro color 1
			20--29	Macro color 2

CH-22	Positive	Macro color	..... (10 numbers and one type)	.....
			240--249	Macro color 24
			250--255	Macro color 25
CH-23		Static pattern	0--9	No effect
			10--12	Monochrome pattern 1
			13--15	Monochrome pattern 2
			..... (3 numbers and one type)	.....
			208--210	Monochrome pattern 67
			211--213	Mixed color pattern 1
			214--216	Mixed color pattern 2
	..... (3 numbers and one type)		.....	
CH-23	Static pattern	250--252	Mixed color pattern 14	
		253--255	Mixed color pattern 15	
CH-24			0--9	No effect

	Positive	Dynamic pattern	10--14	Monochrome dynamic pattern 1
			15--19	Monochrome dynamic pattern 2
			..... (5 numbers and one type)	.....
			155--159	Monochrome dynamic pattern 30
			160--164	Mixed color dynamic pattern 1
			165--169	Mixed color dynamic pattern 2
			..... (5 numbers and one type)	.....
			220--224	Mixed color dynamic pattern 13
			225--255	Mixed color dynamic pattern 14
CH-25	Pattern translation (with 24 channels)	0--255	Selecting a dynamic pattern scene	
CH-26	Dynamic pattern speed (with 24 channels)	0--9	No effect	
		10--132	Walking, fast to slow	
		133--255	Go backwards, from slow to fast	
CH-27	Pattern effect fade	0--255	Pattern effect fade	

CH-28	Positive	Background total dimming	0--255	Background 0-100% dimming
CH-29		Background strobe	0--255	Background strobe
CH-30		Background color R	0--255	Pattern effect red
CH-31		Background color G	0--255	Pattern effect green
CH-32		Background color B	0--255	Pattern effect blue
CH-33		Background color W	0--255	Pattern effect white
CH-34	Reverse side	Total dimming	0--255	from dark to light
CH-35		Strobe	0--3	Light up
			4--203	Synchronous strobe speed from slow to fast (1HZ-25HZ)
			204--255	Random strobe
CH-36		R dimming	0--255	from dark to light
CH-37		G dimming	0--255	from dark to light
CH-38		B dimming	0--255	from dark to light
CH-39	W dimming	0--255	from dark to light	
CH-40	Pattern effect	0--255	from dark to light	
CH-41	Pattern translation (with 40 channels)	0--255	Select a pattern scene	

CH-42		Pattern self-propelled speed (with 40 channels)	0--255	Select a pattern scene
CH-43	Reset		0--250	No effect
			251--255	Reset within 5S

## 143CH

Channel	Display	Function	Value
CH-1	Pan	0--255	Pan control
CH-2	Pan adjustment	0--255	Adjustment control
CH-3	Tilt	0--255	Tilt control
CH-4	Tilt adjustment	0--255	Adjustment control
CH-5	Pan/Tilt speed	0--255	From fast to slow
CH-6	Pan infinite control	No effect	0----55
		Go from slow to fast	56----155
		Reverse from slow to fast	156----255
CH-7	Tilt infinite control	No effect	0----55
		Go from slow to fast	56----155
		Reverse from slow to fast	156----255



CH-8	Focus		0--255	focusing
CH-9	Positive	Dimmer	0--255	from dark to light
CH-10		Dimming	0--255	fine-tuning control
CH-11		Strobe	0--3	Light up
			4--203	Synchronous strobe speed from slow to fast (1HZ-25HZ)
			204--255	Random strobe
CH-12		R	0--255	Red dimming
CH-13		R adjust	0--255	Red adjustment
CH-14		G	0--255	Green dimming
CH-15		G adjust	0--255	Green adjustment
CH-16		B	0--255	Blue dimming
CH-17		B dimming	0--255	Blue adjustment
CH-18		W	0--255	White dimming
CH-19		W dimming	0--255	Green adjustment
CH-20		Dimming mode	0--49	Mode 1
			50--99	Mode 2
			100--149	Mode 3
			150--255	Mode 4
			0--15	No
			16--35	R100%,G UP,B0%

CH-21	Positive	Color temperature	36--55	R DOWM,G100%,B0%
			56--75	R0%,G100%,B UP
			76--95	R0%,G DOWM,B100%
			96--115	R UP,G0%,B100%
			116--135	R100%,G0%,B DOWM
			136--155	R100%,G UP,B UP
			156--175	R DOWM,G DOWM,B100%
			176--195	R 100%,G 100%,B100%,W100%
			196--200	2800K
			201--205	3200K
			206--210	4000K
			211--215	4500K
			216--220	5000K
221--225	5600K			
226--230	6500K			
231--235	7000K			
236--240	7500K			
CH-21		Color temperature	241--255	8000K

CH-22		Macro color	0--9	No effect
			10--19	Macro color 1
			20--29	Macro color 2
			..... (10 numbers and one type)	.....
			240--249	Macro color 24
			250--255	Macro color 25
CH-23	Positive	Static pattern	0--9	No effect
			10--12	Monochrome pattern 1
			13--15	Monochrome pattern 2
			..... (3 numbers and one type)	.....
			208--210	Monochrome pattern 67
			211--213	Mixed color pattern 1
			214--216	Mixed color pattern 2
			..... (3 numbers and one type)	.....
CH-23		Static pattern	250--252	Mixed color pattern 14

			253--255	Mixed color pattern 15
			0--9	No effect
			10--14	Monochrome dynamic pattern 1
CH-24	Positive	Dynamic pattern	15--19	Monochrome dynamic pattern 2
			..... (5 numbers and one type)	.....
			155--159	Monochrome dynamic pattern 30
			160--164	Mixed color dynamic pattern 1
			165--169	Mixed color dynamic pattern 2
			..... (5 numbers and one type)	.....
			220--224	Mixed color dynamic pattern 13
			225--255	Mixed color dynamic pattern 14
CH-25		Pattern translation (with 24 channels)	0--255	Selecting a dynamic pattern scene
		Dynamic	0--9	No effect

CH-26	Positive	pattern speed (with 24 channels)	10--132	Walking, fast to slow
			133--255	Go backwards, from slow to fast
CH-27		Pattern effect fade	0--255	Pattern effect fade
CH-28		Background total dimming	0--255	Background 0-100% dimming
CH-29		Background strobe	0--255	Background strobe
CH-30		Background color R	0--255	Pattern effect red
CH-31		Background color G	0--255	Pattern effect green
CH-32		Background color B	0--255	Pattern effect blue
CH-33		Background color W	0--255	Pattern effect white
CH-34		Reverse side	Total dimming	0--255
CH-35	Strobe		0--3	Light up
			4--203	Synchronous strobe speed from slow to fast (1HZ-25HZ)
			204--255	Random strobe
CH-36	R dimming		0--255	from dark to light
CH-37	G dimming		0--255	from dark to light

CH-38	Reverse side	B dimming	0--255	from dark to light
CH-39		W dimming	0--255	from dark to light
CH-40		Pattern effect	0--255	from dark to light
CH-41		Pattern translation (with 40 channels)	0--255	Select a pattern scene
CH-42		Pattern self-propelled speed (with 40 channels)	0--255	Select a pattern scene
CH-43	Reset		0--250	No effect
			251--255	Reset within 5S
CH-44	Positive	R1 LED dimming	0--255	R1 LED dimming
CH-45		G1 LED dimming	0--255	G1 LED dimming
CH-46		B1 LED dimming	0--255	B1 LED dimming
CH-47		W1 LED dimming	0--255	W1 LED dimming
.....		.....	.....	.....
CH-140		R25 LED dimming	0--255	R19 LED dimming
CH-141		G25 LED dimming	0--255	G19 LED dimming

CH-142	Positive	B25 LED dimming	0--255	B19 LED dimming
CH-143		W25 LED dimming	0--255	W19 LED dimming

## 120CH - (with ArtNet)

1~20 channels are controlled by ordinary DMX512 signals, 21~120 channels are controlled by ArtNet signals

Channel	Display	Function	Value
CH-1	Pan	0--255	Pan control
CH-2	Pan adjustment	0--255	Adjustment control
CH-3	Tilt	0--255	Tilt control
CH-4	Tilt adjustment	0--255	Adjustment control
CH-5	Pan/Tilt speed	0--255	From fast to slow
CH-6	Pan infinite control	No effect	0----55
		Go from slow to fast	56----155
		Reverse from slow to fast	156----255
CH-7	Tilt infinite control	No effect	0----55
		Go from slow to fast	56----155
		Reverse from slow to fast	156----255

CH-8	Focus		0--255	focusing	
CH-9	Reset		0--250	No effect	
			251--255	Reset within 5S	
CH-10	Reverse side	Dimmer	0--255	from dark to light	
CH-11		Strobe		0--3	Light up
				4--203	Synchronous strobe speed from slow to fast (1HZ-25HZ)
				204--255	Random strobe
CH-12		RLED dimming	0--255	R1 LED dimming	
CH-13		GLED dimming	0--255	G1 LED dimming	
CH-14		BLED dimming	0--255	B1 LED dimming	
CH-15		WLED dimming	0--255	W1 LED dimming	
CH-16		Pattern effect	0--255		
CH-17		Pattern shift (with 40 channels)	0--255	Choose a pattern scene	
CH-18			0--255		
CH-19	Front (controlled by ordinary DMX512 signal)	Total dimming	0--255	Linear dimming from dark to light	
CH-20		Strobe		0--3	On light
				4--203	Synchronous strobe speed from slow to fast (1HZ-25HZ)
				204--255	Random strobe



CH-21	Front (controlled by ArtNet signal)	R1 LED dimming	0--255	R1 LED dimming
CH-22		G1 LED dimming	0--255	G1 LED dimming
CH-23		B1 LED dimming	0--255	B1 LED dimming
CH-24		W1LED dimming	0--255	W1 LED dimming
.....		.....	.....	.....
CH-117		R25 LED dimming	0--255	R19 LED dimming
CH-118		G25 LED dimming	0--255	G19 LED dimming
CH-119		B25 LED dimming	0--255	B19 LED dimming
CH-120	W25 LED dimming	0--255	W19 LED dimming	

## 5.How to control Unit ArtNet

1.Setting IP Address, choose Manual set to manual input IP address, better choose ON

IP2 or ON IP10 auto set.

2.IP Mask , input 255.0.0.0

3.Universe choose OFF or 1

4.Source select , input signal selection, there are three options:

DMX only → input signal is DMX

Art-Net → input Art-Net signal

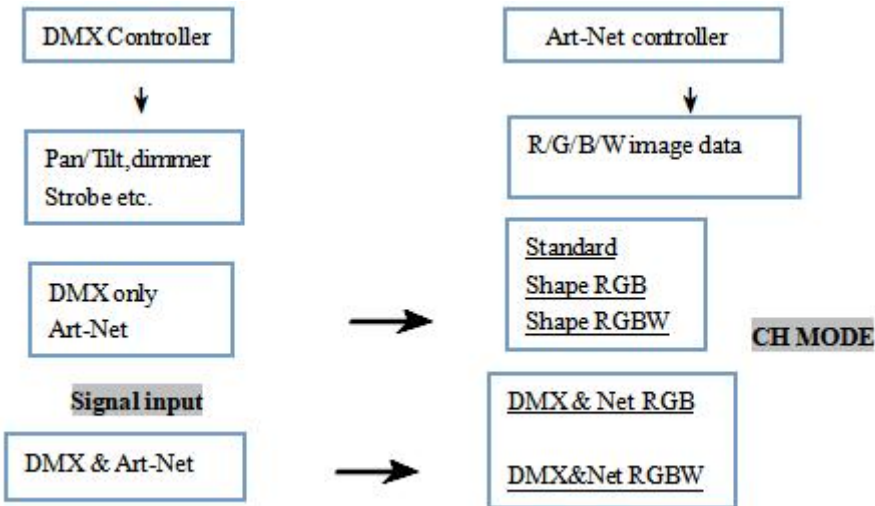
DMX & Art-Net → Simultaneous input DMX & Art-Net signal

Notice:

If Select DMX only or Art-Net, Channels mode only can choose Standard or Shape RGB or Shape RGBW. Then only have DMX or Art-Net signal separately control Pan/Tilt, Dimmer, and RGBW, etc.

If select DMX & ArtNet , means simultaneously controlled by DMX and Art-Net, and Art-Net only control RGBW Channels, DMX control others channels, meantime, CH MODE only can choose DMX & Artnet RGB or DMX & Net RGBW.

For example,if now choose DMX & Artnet RGB CH Mode, then CH 1 - CH13 are controlled by DMX, RGB matrix controlled by Art-Net.

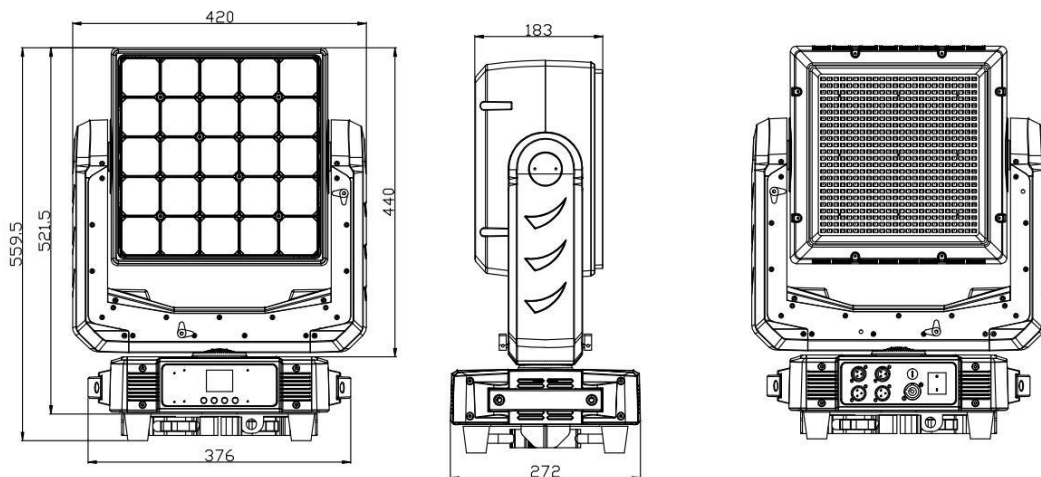


5. When fixtures signal input select Art-Net or DMX & Art-Net, means selected Art-Net controller to control fixtures. But Art-Net controller also need set the same IP address, IP MARK as fixtures.

Setting via menu

**Information** → **Ethernet IP** → select search fixture's IP Address, IP MARK information.

## 6. Shape



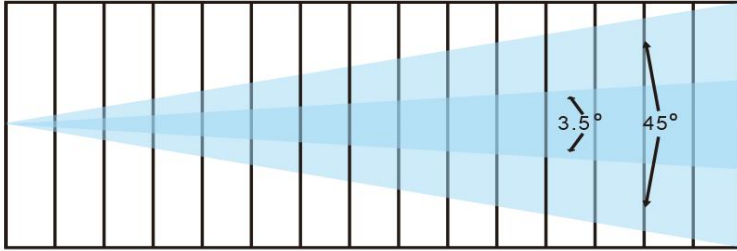
# 7.LUX Date

## Beam Angle =3.5°

R lux	21000	14000	9450	4150
G lux	42300	30700	20500	9520
B lux	8860	6060	3890	1810
W lux	52200	36100	24800	11400
4in1 lux	113000	78200	54000	24800

## Beam Angle =45°

R lux	8570	1190	418	178
G lux	17900	2650	991	430
B lux	3520	530	198	86.7
W lux	21300	3090	1150	508
4in1 lux	47200	6690	2560	1120



Distance (m)		1	3	5	8
Spot diameter (m) 3.5°		0.34	0.48	0.80	1.10
Spot diameter (m) 45°		1.20	2.30	4.00	

# 8. Trouble shooting

Following are a few common problems that may occur during operation. Here are some suggestions for easy troubleshooting:

A. The unit does not work, no light and the fan does not work

1. Check the connection of power and main fuse.
2. Measure the mains voltage on the main connector.

3. Check the power on LED.

B. Not responding to DMX controller

1. DMX LED should be on. If not, check DMX connectors, cables to see if link properly.

2. If the DMX LED is on and no response to the channel, check the address settings and DMX polarity.

3. If you have intermittent DMX signal problems, check the pins on connectors or on PCB of the unit or the previous one.

4. Try to use another DMX controller.

5. Check if the DMX cables run near or run alongside to high voltage cables that may cause damage or interference to DMX interface circuit.

C. One of the channels is not working well

1. The stepper motor might be damaged or the cable connected to the PCB is broken.

2. The motor's drive IC on the PCB might be out of condition.

## **9. Fixture Cleaning**

The cleaning of internal and external optical lenses and/or mirrors must be carried out periodically to optimize light output. Cleaning frequency depends on the environment in which the fixture operates: damp, smoky or particularly dirty surrounding can cause greater accumulation of dirt on the unit's optics.

Clean with soft cloth using normal glass cleaning fluid.

Always dry the parts carefully.

Clean the external optics at least every 20 days. Clean the internal optics at least every 30/60 days.