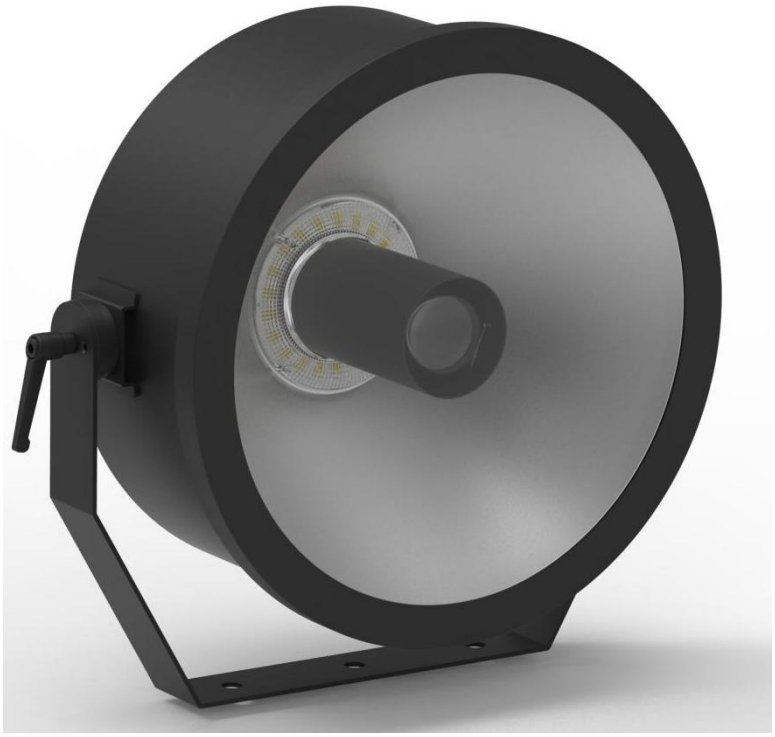
BEAM PATT 450 IP



USER MANUAL

KEEP THIS USER MANUAL FOR FUTURE NEEDS

Thank you for your patronage!
We are confident that our excellent products and service can satisfy you.
For your own safety, please read this user manual carefully before installing the device.
In order to install, operate, and maintain the lighting safety correctly.
We suggest that the installation and operation should be done by the verified technician and follow the instruction strictly.

Every person involved with the installation, operation and maintenance of this device has to:
-be qualified
-follow carefully the instructions of this manual

1. MAINTENANCE

- To reduce the risk of electrical shock or fire, do not expose this unit to rain or moisture.
- Intermittently using will extend this item's service life.
- Please clear the fan ,fan net , and optical lens in order to keep good work state.
- Do not use the alcohol or any other organic solvent to wipe the shell.

2. STATEMENT

The product has perfect performance and integrity packing. All users should be strictly complying with the warning and operating instructions as stated. Or we aren't in charge of any result by misusing. Any damage resulting by misuse is not within the Company's warranty. Any fault or problem caused by neglecting the manual is also not in the charge of dealers.

Note: All information is subject to change without prior notice.

3. SAFETY PRECAUTION

- In order to guarantee the product's life, please don't put it in the damp places or even the environment over 60degress.
- Always mount this unit in safe and stable matter.
- Install or dismantle should operate by professional engineer.
- Using lamp，the change rate of power voltage should be within±10%，If the voltage is too high，it will shorten the light's life; If it's not enough, will influence the effect.
- Please restart it 20 minutes later after turning off light , until full-cooling. Frequent switching will reduce the life span of lamps and bulbs; intermittent using will improve the life of bulbs and lamps.
- In order to make sure the product is used well, please read the Manual carefull

TECHNICAL PARAMETERS

Light Source

- Beam: 60W RGBW LED
- Main Light: 22×20W RGBWAL LED

Optical

- Beam lens diameter: 75 mm
- Main light lens diameter: 330 mm

- Beam angle: 3°
- Field angle: 85°
- Color temperature: 1800–8500 K
- Average life: 50000 H

Effects

- Fast strobe: 1–25 Hz
- LED refresh frequency: 1K–25KHz

Control & Programming

- Control channels: 9modes (8CH/16CH/24CH/15CH/21CH/16A/24A/28CH/10CH)
- Protocol: Standard DMX512, RDM
- Data connection: 3-pin XLR in/out
- Display: OLED control panel

Software

- Easy firmware update via DMX
- Intelligent temperature protection for longer LED life

LIGHT BODY STRUCTURE AND HEAT DISSIPATION

- Stainless steel + aluminum alloy body
- Aluminum heat sink + silent fan

Power & Consumption

- Input voltage: AC 100V–240V 50/60Hz
- Rated power: 450W

Others

- Protection level: IP54
- Working environment: -40℃ ~ 45℃
- Startup environment: -20℃ ~ 45℃

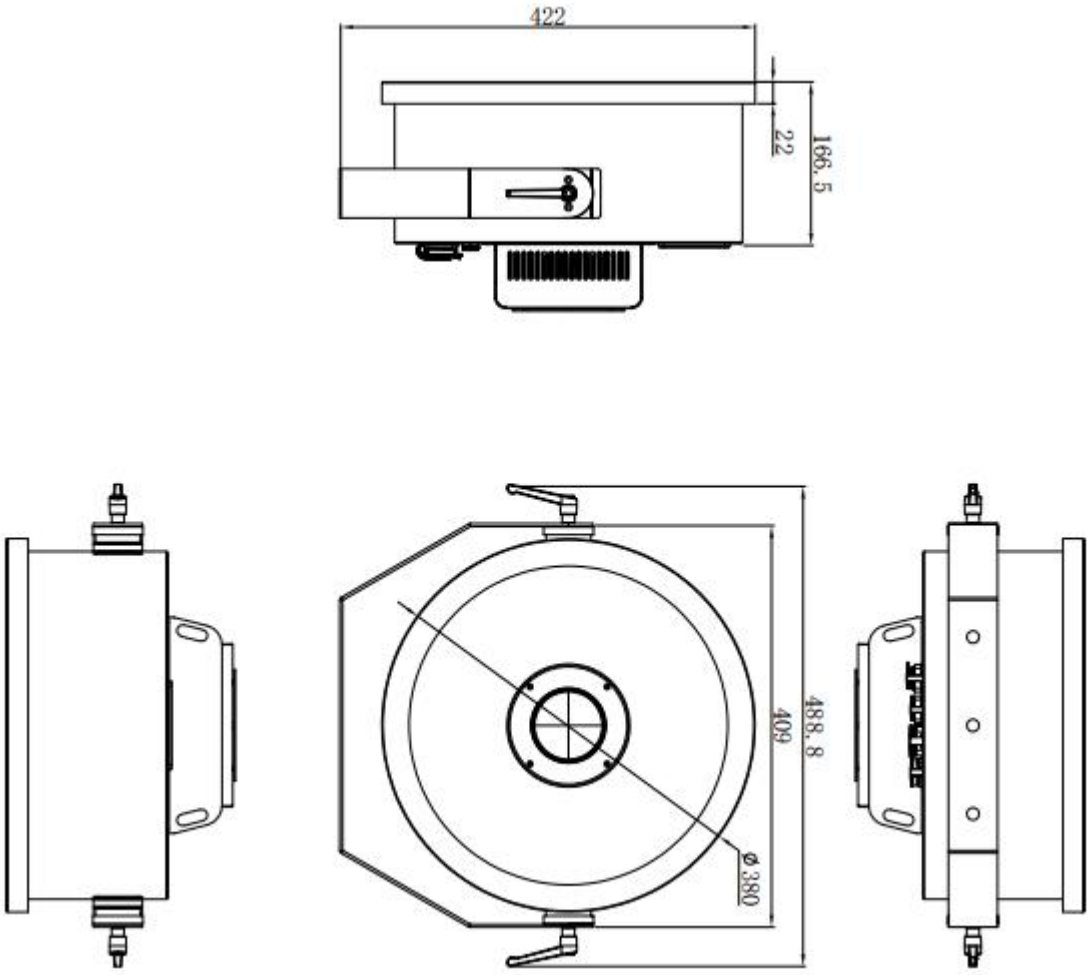
Dimensions & Weight

- Dimensions: 488 × 422 × 166 mm
- Net weight: 7 kg

FACTORY CONFIGURATION

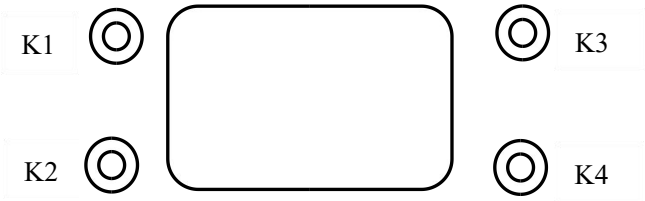
- User manual
- Power cable
- DMX cable
- Safety rope

FIXTURE SIZE



INSTRUCTIONS

1. DIAGRAM SECTION：



K1: Menu key K2: Confirm key K3: Add key K4: Subtract key

Lock screen unlock: Long press the menu button for 4-5 seconds.

2. DISPLAY WINDOW FUNCTION COMPARISON TABLE

(Bo**ld font in the table is the default value for this item)**

MENU	Dmx Addr	001 - 512	
	Fixture	DMX Mode	8CH/16CH/24CH/15CH/21CH/16A/24A/28CH/10CH
		Run Mode	DMX / Host / Auto
		Fan Mode	Auto / Low / High
		Dim Curve	Lin1 / Lin2 / Lin3
		Fast Close	OFF / ON
		Frequency	1K / 2K / 12K
		DMX Keep	OFF / ON
		Key lock	OFF / ON
		Send	OFF / ON
	Manual	Main R	000 - 255
		R Fine	000 - 255
		Main G	000 - 255
		G Fine	000 - 255
		.....	.....
	Info	Time	Time Now
			Total Time
			Boot Count
		Temp	Main Temp
			Beam Temp
		Version	Panel
	Factory	Password	000 - 255
		Main R	000 - 255
		Main G	000 - 255
		Main B	000 - 255
		Main W	000 - 255
		Main A	000 - 255
		.....	.....
		.....	.....
	Reset	Factory	OFF / RUN
	Display	Language	CH / EN
		ShowFlip	OFF / ON

BEAM PATT 450 IP Channel Table

8 CH	16 CH	24 CH	15 CH	21 CH	16 A	24A	28 CH	10 CH	Channel Name	Value	Illustrate
/	/	/	/	/	1	1	/	/	Tungsten	0 - 255	
/	/	/	/	/	/	2	/	/	Tungsten Fine	0 - 255	
1	/	/	/	/	/	/	/	/	Main Dimmer	0 - 255	
2	1	1	/	/	2	3	1	1	Main R	0 - 255	
/	/	2	/	/	/	4	2	/	Main R Fine	0 - 255	
3	2	3	/	/	3	5	3	2	Main G	0 - 255	
/	/	4	/	/	/	6	4	/	Main G Fine	0 - 255	
4	3	5	/	/	4	7	5	3	Main B	0 - 255	
/	/	6	/	/	/	8	6	/	Main B Fine	0 - 255	
/	4	7	1	1	/	/	7	4	Main W	0 - 255	
/	/	8	/	2	/	/	8	/	Main W Fine	0 - 255	
/	/	/	/	/	/	/	9	5	Main A	0 - 255	
/	/	/	/	/	/	/	10	/	Main A Fine	0 - 255	
/	/	/	/	/	/	/	11	6	Main L	0 - 255	
/	/	/	/	/	/	/	12	/	Main L Fine	0 - 255	
/	/	/	2	3	/	/	/	/	Main CCT	0	No effect
										1 - 51	1600k
										52 - 70	1700k
										71 - 83	1800k
										84 - 94	1900k
										95 - 105	2000k
										106 - 118	2100k
										119 - 131	2200k
										132 - 144	2300k
										145 - 158	2400k
										159 - 170	2500k
										171 - 184	2600k
										185 - 199	2700k
										200 - 214	2800k
										215 - 227	2900k
										228 - 241	3000k
										242 - 254	3100k
										255	3200k
/	/	/	/	4	/	/	/	/	Main CCTFine	0 - 255	

/	/	/	/	5	/	/	/	/	Reserved	0 - 255	
5	/	/	/	/	/	/	/	/	Beam Dimmer	0 - 255	
6	5	9	3	6	5	9	13	7	Beam R	0 - 255	
/	/	10	/	7	/	10	14	/	Beam R Fine	0 - 255	
7	6	11	4	8	6	11	15	8	Beam G	0 - 255	
/	/	12	/	9	/	12	16	/	Beam G Fine	0 - 255	
8	7	13	5	10	7	13	17	9	Beam B	0 - 255	
/	/	14	/	11	/	14	18	/	Beam B Fine	0 - 255	
/	8	15	6	12	8	15	19	10	Beam W	0 - 255	
/	/	16	7	13	/	16	20	/	Beam W Fine	0 - 255	
/	9	17	8	14	9	17	21	/	Main Strobe	0 - 9	ON
										10 - 19	OFF
										20 - 121	Strobe, from slow to fast
										122 - 129	ON
										130 - 245	random flicker, from slow to fast
										246 - 255	ON
/	10	18	9	15	10	18	22	/	Beam Strobe	0 - 9	ON
										10 - 19	OFF
										20 - 121	Strobe, from slow to fast
										122 - 129	ON
										130 - 245	Random flicker, from slow to fast
										246 - 255	ON
/	11	19	10	16	11	19	23	/	Main Macro	0 - 10	No effect
										11	3200k
										12	3300k
										13	3400k
										14	3500k
										15	3600k
										16	3700k
										17	3800k
										18	3900k
										19	4000k
										20	4100k
										21	4200k
										22	4300k
										23	4400k
										24	4500k

										25	4600k
										26	4700k
										27	4800k
										28	4900k
										29	5000k
										30	5100k
										31	5200k
										32	5300k
										33	5400k
										34	5500k
										35	5600k
										36	5700k
										37	5800k
										38	5900k
										39	6000k
										40	Red(R=255,G=0,B=0)
										41 - 71	R=255,G+,B=0
										72	Yellow(R=255,G=255,B=0)
										73 - 103	R-,G=255,B=0
										104	Green(R=0,G=255,B=0)
										105-140	R=0,G=255,B+
										141	Cyan(R=0,G=255,B=255)
										142 - 172	R=0,G-,B=255
										173	Blue(R=0,G=0,B=255)
										174 - 204	R+,G=0,B=255
										205	Magenta(R=255,G=0,B=255)
										206 - 236	R=255,G=0,B-
										237	Red(R=255,G=0,B=0)
										238 - 254	The color wheel rolls from slow to fast
										255	No effect
/	12	20	11	17	12	20	24	/	Macro Dimmer	0 - 255	
/	13	21	12	18	13	21	25	/	Macro Select	0 - 9	No effect

										10 - 14	Effect 1
										15 - 19	Effect 2
										.....	.....
										205 - 209	Effect 40
										210 - 255	No effect
/	14	22	13	19	14	22	26	/	Macro Speed	0 - 127	Forward, speed from fast to slow
										128 - 255	Reverse, the speed increases from slow to fast
/	15	23	14	20	15	23	27	/	Macro Spread	0 - 255	
/	16	24	15	21	16	24	28	/	Function	0 - 30	NO Function
										31 - 35	LED frequency: 1kHz
										36 - 40	LED frequency: 2kHz
										41 - 45	LED frequency: 12kHz
										46 - 60	NO Function
										61 - 65	Dimming curve : Linear
										66 - 70	Dimming curve : Inverse
										71 - 75	Dimming curve: Positive
										76 - 95	NO Function
										96 - 100	Fast fade OFF
										101 - 105	Fast fade ON
										106 - 120	NO Function
										121 - 125	Fan mode: Silent
										126 - 130	Fan mode: Low
										131 - 135	Fan mode: Medium
										136 - 140	Fan mode: High
										141 - 255	NO Function

Upgrade mode

Ensure the connection and power of the signal line. When the interface is in the DMX address interface, set the advanced upgrade through the host computer.

The program code is 12345678, the master-slave flag is 00, and the version number should be different from the last upgrade

REMARK

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