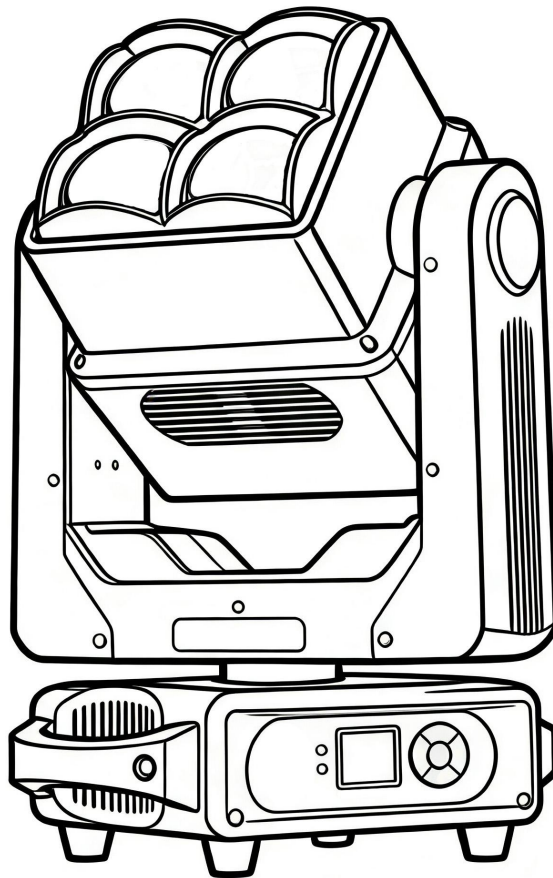


PULSAR

(ACME CHANNEL)



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.



CAUTION!

Keep this device away from rain and moisture!



CAUTION!

Unplug mains lead before device's installation, cleaning and maintenance!

Every person involved with the installation, operation and maintenance of device has to:

-be qualified

-follow carefully the instructions of this manual

INTRODUCTION

Thank you for having chosen this professional moving head.

You will see you have acquired a powerful and versatile device.

Unpack the device. Inside the carton box you should find:

1. One power in cable
2. One 3 Pin DMX cable(5 Pin optional)
3. Folding Clamps
4. One safety rope
5. One English user manual

(Flight case is optional, please contact your dealer)

Please check carefully that there is no damage caused by transportation. Should there be any questions, please consult your dealer and don't install this device.

GENERAL GUIDELINES

This device is a lighting effect for a professional use on stages, TV, in discotheques, theaters, etc., The device was designed for indoor use only.

This fixture is only allowed to be operated with the max alternating current which stated in the technical specifications in 6th page of this manual.

Lighting effects are not designed for permanent operation. Consistent operation breaks may ensure that the device will serve you for a long time without defects.

Do not shake the device. Avoid brute force when installing or operating the device.

While choosing the installation-spot, please make sure that the device is not exposed to extreme heat, moisture or dust. Please don't project the beam onto combustible substances. The minimum distance between light-output from the projector and the illuminated surface must be more than 0,5 meter.

If you use the quick lock cam in hanging up the fixture, please make sure the quick lock fasteners turned in the quick lock holes correctly.

Operate the device only after having familiarized with its functions. Do not permit operation by persons not qualified for operating the device. Most damages are the result of unprofessional operation.

Please use the original packaging if the device is to be transported.

For safety reasons, please be aware that all modifications on the device are forbidden. If this device will be

operated in any way different to the one described in this manual, the product may suffer damages and the guarantee becomes void. Furthermore, any other operation may lead to short-circuit, burns, electric shock, crash, etc.

SAFETY INSTRUCTIONS



CAUTION!

Be careful with your operations. With a dangerous voltage you can suffer a dangerous electric shock when touching wires!

This device has left the factory in perfect condition. In order to maintain this condition and to ensure a safe operation, it is absolutely necessary for the user to follow the safety instructions and warning notes written in this user manual.

1. In order to guarantee the product's life, please don't put it in the damp places or even the environment over 60degrees.

2. Always mount this unit in safe and stable matter.

The qualified professionals are allowed to carry out the lamp installation, operation and maintenance, but they must guarantee to operate in strict accordance with the instructions referred to.

▲ Important:

Damages caused by the disregard of this user manual are not subject to warranty. The dealer will not accept liability for any resulting defects or problems.

If the device has been exposed to temperature changes due to environmental changes, do not switch it on immediately. The arising condensation could damage the device. Leave the device switched off until it has reached room temperatures.

This device falls under protection-class I . Therefore it is essential that the device be earthed.

The electric connection must carry out by qualified person.

Make sure the power cord is never crimped or damaged by sharp edges. If this would be the case, replacement of the cable must be done by an authorized dealer.

Always disconnect from the mains, when the device is not in use or before cleaning it. Only handle the power cord by the plug. Never pull out the plug by tugging the power cord.

During initial start-up some smoke or smell may arise. This is a normal process and does not necessarily mean that the device is defective, it should decrease gradually.

Please don't project the beam onto combustible substances.

If the external flexible cable or cord of this luminaire is damaged, it shall be exclusively replaced by the manufacturer or his service agent or a similar qualified person in order to avoid a hazard.



CAUTION!

Never touch the device during operation!
The housing may heat up!



CAUTION!

Never look directly into the light source,
As sensitive persons may suffer an epileptic shock.

Please be aware that damages caused by manual modifications to be the device are not subject to warranty. Keep away from children and non-professionals.

CLEANING AND MAINTENANCE

1. To reduce the risk of electrical shock or fire, do not expose this unit to rain or moisture.
2. Do not spill water or other liquids into or on to your unit.

3. During long periods of non-use, disconnect the unit's main power.
4. It should be installed in a well-ventilated place, at a distance of 50 centimeters or more with the walls. At the same time, please check if the fan and ventilation holes are unobstructed.

The following points have to be considered during the inspection

- 1) All screws for installing the devices or parts of the device have to be tightly connected and must not be corroded.
- 2) There must not be any deformations on the housing. Fixations and installations spots(ceiling, suspension, trussing).
- 3) Mechanically moved parts must not show any traces of wearing and must not rotate with unbalances.
- 4) The electric power supply cables must not show any damage, material fatigue or sediments. Further instructions depending on the installation spot and usage have to be adhered by a skilled installer and any safety problems have to be removed.



CAUTION!

Disconnect from mains before starting maintenance operation!

In order to make the lights in good condition and extend the life time, we suggest a regular cleaning to the lights.

- 1) Clean the inside and outside lens each week to avoid the weakness of the lights due to accumulation of dust.
- 2) Clean the fan each week.
- 3) A detailed electric check by approved electrical engineer each three month, make sure that the circuit contacts are in good condition, prevent the poor contact of circuit from overheating.

We recommend a frequent cleaning of the device.

Please use a moist, lint-free cloth. Never use alcohol or solvents !

TECHNICAL PARAMETER

LIGHT SOURCE & OPTIC

Side 1: 4*60W RGBW LED with zoom

Side 2: 9*10W CW + 96*3W CW 108*0.3W RGB

POWER SUPPLY

Voltage: AC100~240V 50 / 60 HZ

Power: 400W

EFFECTS

Dimming: 32bit 0~100% Linear dimming

Features: XY shake head + beam + strobe+ XY infinite + auxiliary led

Operating temperature: -30 degrees ~50 degrees

CONTROL & PROGRAM

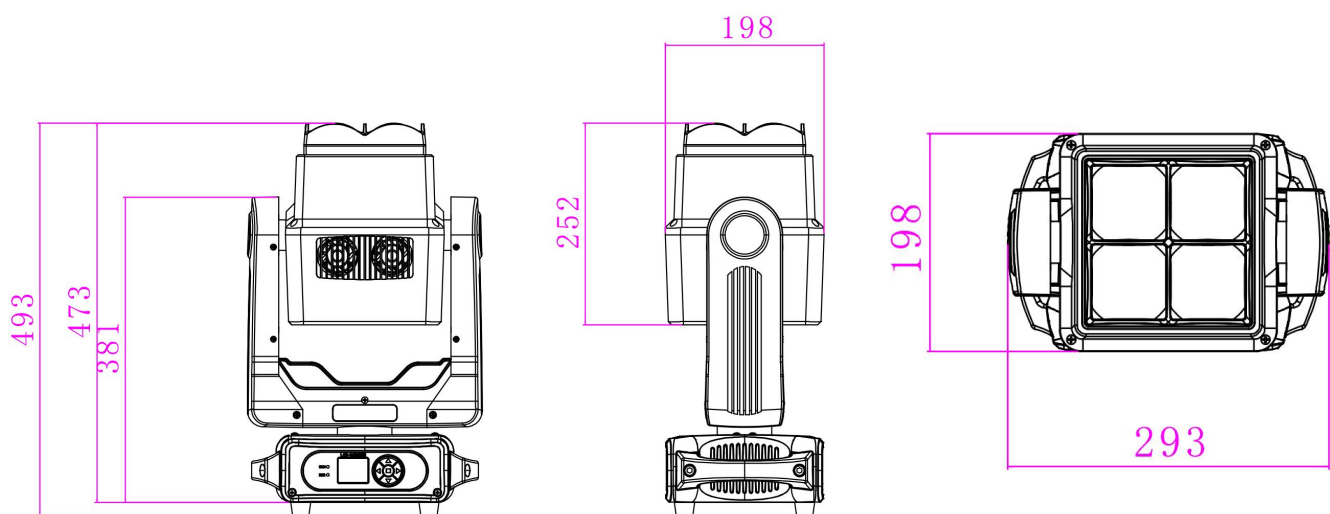
Control mode: DMX512, self-travel, master-slave, voice control, with RDM function.

Channels: CH24, CH39, CH97

FIXTURE SIZE

Size: 30*20*50

Weight: 12KG



Menu Functions

After powering on and resetting the device, press the menu button to access the main menu (the interface will automatically exit after 30 seconds of inactivity). Refer to the main menu function table (containing 5 options). Use the up/down arrow keys to navigate through menus, and the confirm button to modify function parameters. Save changes by confirming (parameters retain after power loss).

Menu	Submenu	Menu Features
System Settings	DMX address	Adjust the DMX address code (001-512) and save it with the confirmation key. The default is 001.
	Encoder	Change the encoder on/off by moving up or down. The confirmation key saves the setting, and it is enabled by default.
	X reversal	Press up or down to toggle X flip. The confirmation key saves the setting and is off by default.
	Y reversal	Change the Y flip to on/off. The confirmation key saves the setting, which is off by default.
Operation Mode	Operation Mode	Select up or down to choose operation mode: DMX, voice-controlled, or automatic. The confirmation key saves the selection, with DMX as the default.
	Channel Selection	Select CH20, CH34, or CH97 channels (up/down), then press the confirm key to save. CH34 is the default.
Manual control	X	Adjust the X motor's operating parameters (range: 000-255). The default value is 000, and the confirmation key saves the settings.
	X fine-tuning	Adjust the X fine-tuning motor's operating parameters (range: 000-255) up or down. The default value is 128, which is saved by the confirmation key.
	X rotation	Adjust the X rotation parameter value (range: 000-255). The default is 000.
	Y	Adjust the Y-axis parameter value (range: 000-255). The default is 128. Press the confirm key to save.
	Y-axis fine-tuning	Adjust the Y-tuning parameter value (range: 000-255) up or down. The default value is 000.
	Y rotation	Adjust the Y rotation parameter value (range: 000-255). The default is 000.
	XY speed	Adjust the XY speed parameter (range: 000-255). The default value is 000.
	Focus adjustment	Adjust the focus value (range: 000-255) up or down. The default is 000.
	Total dimming	Adjust the total dimming value (range: 000-255). The default value is 255.
	A Strobe	Adjust the strobe value (range: 000-255). The default is 255. Press the confirm key to save.
	A Red	Adjust the brightness red LED (000-255) and save with the confirm key. The default is 255.
	A Green	Adjust the brightness of the green LED (000-255). The default value is 255.
	A Blue	Adjust the brightness of the blue LED (000-255). The default value is 255.
	A White	Adjust the brightness of the white LED (000-255) and save with the confirm key. The default is 255.
	A Pattern	Adjust the mode parameter value (range 000-255) and save it with the confirm key. The default is 000.
	A Speed	Adjust the speed parameter value (range: 000-255). The default is 000.
	A Background Color	Adjust the background color parameter (range: 000-255). The default value is 000.
	A Background Tone Light	Adjust the light parameter value of the background tone (range: 000-255). The default is 000.
	B Strobe	Adjust the strobe value (range: 000-255). The default is 000.
	B White	Adjust the brightness of the white LED (000-255) and save with the confirm key. The default is 255.

	B Pattern	Adjust the mode parameter value (range 000-255) and save it with the confirm key. The default is 000.	
	B Speed	Adjust the speed parameter value (range: 000-255). The default is 000.	
	C Strobe	Adjust the strobe value (range: 000-255). The default is 000.	
	C red	Adjust the brightness of the red LED (000-255) and save with the confirm key. The default is 255.	
	C Green	Adjust the brightness of the green LED (000-255). The default value is 255.	
	C Blue	Adjust the brightness of the blue LED (000-255). The default value is 255.	
	C White	Adjust the brightness of the white LED (000-255) and save with the confirm key. The default is 255.	
	C A pattern	Adjust the mode parameter value (range 000-255) and save it with the confirm key. The default is 000.	
	CA speed	Adjust the speed parameter value (range: 000-255). The default is 000.	
	CB pattern	Adjust the mode parameter value (range 000-255) and save it with the confirm key. The default is 000.	
	CB speed	Adjust the speed parameter value (range: 000-255). The default is 000.	
	C Background Color	Adjust the background color parameter (range: 000-255). The default value is 000.	
	C Background Tone Light	Adjust the light parameter value of the background tone (range: 000-255). The default is 000.	
	Reset	Reset the entire machine to 150-255. The control panel parameters must first be set below 10, then adjusted to 150-255 for functionality. Parameters in the 000-149 range are invalid and cannot be reset.	
Display Settings	Language selection	Select Chinese or EN (English) to go up or down. The confirmation key saves the default Chinese setting.	
	Inverted Display Settings	Select up or down to turn off or on the inverted display setting. The confirmation key saves the setting, which is off by default.	
	Screen saver	Select up or down to turn off or on the screen saver. The confirmation key saves the setting, which is enabled by default.	
	Software Version	06XA is a program identity code and cannot be modified.	
5. Factory Setup	Enter the password! Modify it to 138 and press the confirm key to enter factory settings.	X-axis calibration	Modify parameters (range 000-255) up or down. The confirmation key saves the settings, with 128 as the default.
		Y-axis calibration	Modify parameters (range 000-255) up or down. The confirmation key saves the settings, with 128 as the default.
		Focusing Calibration	Modify parameters (range 000-255) up or down. The confirmation key saves the settings, with 128 as the default.
		Focusing stroke	Modify parameters (range 000-255) up or down. The confirmation key saves the settings, with 128 as the default.
		LED	Set LED to default LEDA
		A red	Adjust the red LED current (032-255) up or down. The default value is 252, which is saved by the confirmation key.
		A green	Adjust the green LED current (032-255) up or down. The default value is 252, which is saved by the confirmation key.
		A blue	Adjust the current of the blue LED (032-255) up or down. The default value is 252, which is saved by the confirmation key.
		A white	Adjust the white LED current (032-255) up or down. The default value is 252, which is saved by the confirmation key.
		B White	Adjust the white LED current (032-255) up or down. The default value is 252, which is saved by the confirmation key.

		C red	Adjust the red LED current (032-255) up or down. The default value is 252, which is saved by the confirmation key.
		C Green	Adjust the green LED current (032-255) up or down. The default value is 252, which is saved by the confirmation key.
		C Blue	Adjust the current of the blue LED (032-255) up or down. The default value is 252, which is saved by the confirmation key.
		C White	Adjust the white LED current (032-255) up or down. The default value is 252, which is saved by the confirmation key.
		X-axis is continuous.	Adjust the X-axis parameter (range 000-255) up or down. The default value is 128.
		Y-axis is not polar	Adjust the Y-axis parameter (range 000-255) up or down. The default value is 128.
		XY speed	Adjust XY speed parameters (000-255) up or down. The default value is 116.
		XY current	Adjust XY current parameters (000-255) up or down. The default value is 128.
		Logo	Select 000 or 001 to go up or down. The default is 000.
		Temperature	Adjust the temperature parameter (range 40-70) up or down. The confirmation key saves the setting, with 060 as the default.
		Temperature Fan –	Select up or down to turn off or on the temperature and fan control. The confirmation key saves the setting, which is off by default.

Master-Slave Control

When two or more identical lamps are connected via DMX three-core signal cables, all lamps are assigned random address codes (001-512). One lamp is designated as the master unit while the others function as slaves, with all slave displays remaining static. When the master unit controls effects like gradient, pulse, jump, sound control, or auto-rolling, all slave units synchronize these effects in real-time.

Important note:

1. Only one host can be configured per lighting group. Multiple hosts will cause all lights to flash randomly and out of sync.
2. All lighting fixtures must be powered only when the DMX512 console is turned off, at which point the master-slave configuration becomes active.

DMX512 Control

After configuring all address codes for the lighting fixtures, connect them in parallel to the DMX512 control console using DMX three-core signal cables. When the address codes stop blinking, it indicates the DMX512 control console has successfully transmitted signals to the fixtures. Then, follow the channel instructions to control the relevant functions via the DMX512 control console.

CH24:

CH	Value	Function
1	000-255	X
2	000-255	X fine-tuning

3	000-255	Y
4	000-255	Y fine-tuning
5	000-255	X revolve
6	000-255	Y revolve
7	000-255	XY velocity
8	000-255	focus
9	000-255	aiming
10	000-255	dimming fine adjustment
11	000-255	chromatic end strobismus
12	000-255	3535-W strobe light
13	000-255	Block 5050RGB strobe
14	000-255	3030 white light strobe
15	000-255	reset
16	000-255	A R
17	000-255	A G
18	000-255	A B
19	000-255	A W
20	000-255	B W
21	000-255	CR
22	000-255	CG
23	000-255	CB
24	000-255	CW

CH39:

CH	Value	Function
1	000-255	X
2	000-255	X fine-tuning
3	000-255	Y
4	000-255	Y fine-tuning
5	000-255	X revolve
6	000-255	Y revolve
7	000-255	XY velocity
8	000-255	focus
9	000-255	chromatic end dimming
10	000-255	chromatic end dimming fine adjustment
11	000-255	chromatic end strobismus
12	000-255	3535-W dimming beam
13	000-255	beam dimming fine adjustment
14	000-255	beam strobismus
15	000-255	Block 5050RGB Dimming
16	000-255	Block 5050RGB Dimming Fine-Tuning
17	000-255	Block 5050RGB strobe
18	000-255	3030 White Light Dimming
19	000-255	3030 White Light Dimming Fine Adjustment
20	000-255	3030 white light strobe

21	000-255	reset
22	000-255	R of the staining end
23	000-255	Chromatid G
24	000-255	B-side of the staining
25	000-255	Chromatid end W
26	000-255	chromatic temperature of the dyed end
27	000-255	Chromogenic terminal macro color
28	000-255	Beam 3535-W
29	000-255	3535-W beam effect
30	000-255	Beam 3535-W effect speed
31	000-255	Block 5050-R
32	000-255	Block 5050-G
33	000-255	Block 5050-B
34	000-255	Block 5050 Macro Color
35	000-255	Block 5050 effect
36	000-255	Block 5050 effect speed
37	000-255	3030 White Light
38	000-255	3030 White Light Effect
39	000-255	3030 White Light Effect Speed

CH97:

CH	Value	Function
1	000-255	X
2	000-255	X fine-tuning
3	000-255	Y
4	000-255	Y fine-tuning
5	000-255	X revolve
6	000-255	Y revolve
7	000-255	XY velocity
8	000-255	focus
9	000-255	chromatic end dimming
10	000-255	chromatic end dimming fine adjustment
11	000-255	chromatic end strobismus
12	000-255	3535-W dimming beam
13	000-255	beam dimming fine adjustment
14	000-255	beam strobismus
15	000-255	Block 5050RGB Dimming
16	000-255	Block 5050RGB Dimming Fine-Tuning
17	000-255	Block 5050RGB strobe
18	000-255	3030 White Light Dimming
19	000-255	3030 White Light Dimming Fine Adjustment
20	000-255	3030 white light strobe
21	000-255	reset
22	000-255	R1 staining end
23	000-255	Chromatid G1
24	000-255	B1 staining end

25	000-255	W1 staining end
26	000-255	R2 staining end
27	000-255	Chromatid G2
28	000-255	B2 staining end
29	000-255	W2 staining end
30	000-255	R3 staining end
31	000-255	G3 at the staining end
32	000-255	B3 staining end
33	000-255	W3 staining end
34	000-255	R4 staining end
35	000-255	G4 at the staining end
36	000-255	B4 staining end
37	000-255	W4 staining end
38	000-255	Beam 3535-W1
39	000-255	Beam 3535-W2
40	000-255	Beam 3535-W3
41	000-255	Beam 3535-W4
42	000-255	Beam 3535-W5
43	000-255	Beam 3535-W6
44	000-255	Beam 3535-W7
45	000-255	Beam 3535-W8
46	000-255	Beam 3535-W9
47	000-255	Block 5050R1
48	000-255	Block 5050G1
49	000-255	Block 5050B1
50	000-255	Block 5050R2
51	000-255	Block 5050G2
52	000-255	Block 5050B2
53	000-255	Block 5050R3
54	000-255	Block 5050G3
55	000-255	Block 5050B3
56	000-255	Block 5050R4
57	000-255	Block 5050G4
58	000-255	Block 5050B4
59	000-255	Block 5050R5
60	000-255	Block 5050G5
61	000-255	Block 5050B5
62	000-255	Block 5050R6
63	000-255	Block 5050G6
64	000-255	Block 5050B6
65	000-255	Block 5050R7
66	000-255	Block 5050G7
67	000-255	Block 5050B7
68	000-255	Block 5050R8
69	000-255	Block 5050G8

70	000-255	Block 5050B8
71	000-255	Block 5050R9
72	000-255	Block 5050G9
73	000-255	Block 5050B9
74	000-255	3030-W1
75	000-255	3030-W2
76	000-255	3030-W3
77	000-255	3030-W4
78	000-255	3030-W5
79	000-255	3030-W6
80	000-255	3030-W7
81	000-255	3030-W8
82	000-255	3030-W9
83	000-255	3030-W10
84	000-255	3030-W11
85	000-255	3030-W12
86	000-255	3030-W13
87	000-255	3030-W14
88	000-255	3030-W15
89	000-255	3030-W16
90	000-255	Empty (Reserved)
91	000-255	Empty (Reserved)
92	000-255	Empty (Reserved)
93	000-255	Empty (Reserved)
94	000-255	Empty (Reserved)
95	000-255	Empty (Reserved)
96	000-255	Empty (Reserved)
97	000-255	Empty (Reserved)

REMARK

The product has perfect performance and integrity packing. All users should be strictly comply 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.

Errors and omissions for every information given in this manual excepted.

All information is subject to change without prior notice.

Thank you again for your patronage!
We will be offering sincere service as always,
Wish you have a good lighting journey!