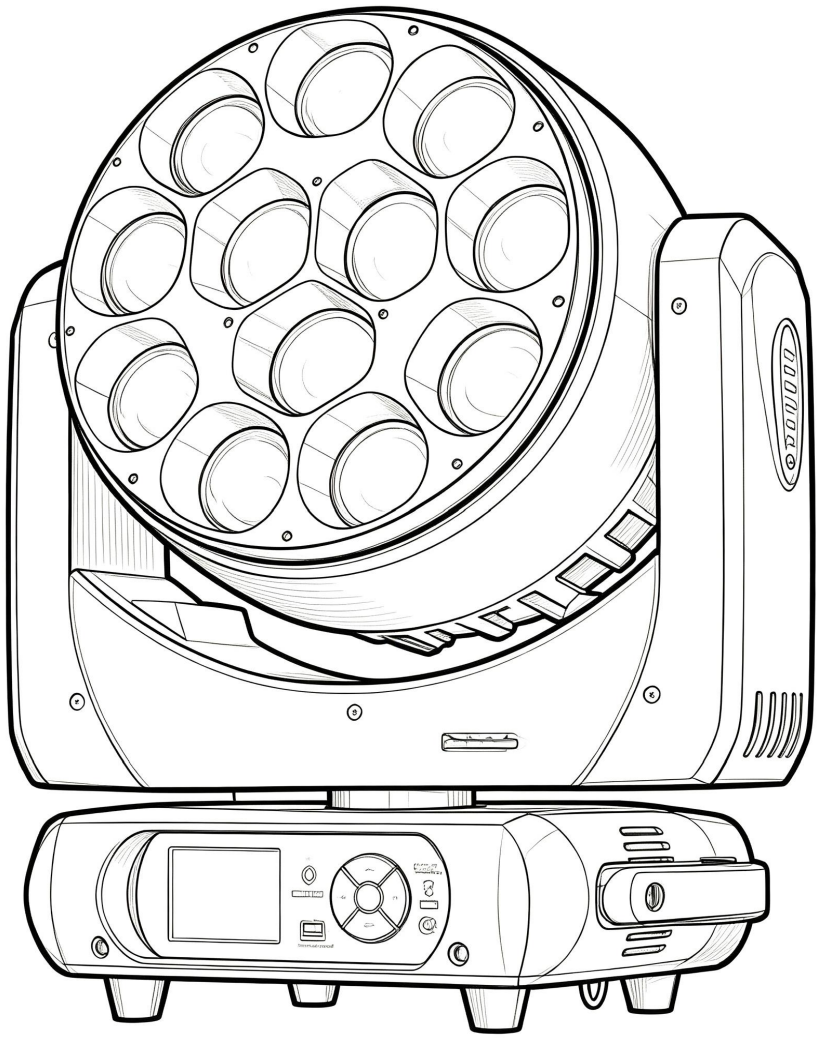
12x40W LED WASH



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（optional）
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 60degress.
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 !

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 clean the fan, fan net , and optical lens in order to keep it in good working condition.

Do not use alcohol or any other organic solvent to wipe the shell.

2. Statement

The product has perfect performance and integrity packing. All users should strictly comply with the warning and operating instructions as stated. Or we aren't in charge of any result by misusing. Any damage resulting from misuse is not within the Company's warranty. Any fault or problem caused by neglecting the manual is also not the responsibility 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 damp places or even in an environment over 60 degrees.

Always mount this unit in a safe and stable manner.

Installation or dismantling should be done by a professional engineer.

Using a 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, it will influence the effect.

Please restart it 20 minutes later after turning off the light, until full cooling.

Frequent switching will reduce the life span of lamps and bulbs; intermittent use will improve the life of bulbs and lamps.

In order to make sure the product is used well, please read the manual carefully.

4. Product Instructions

Rated voltage: AC100-260V 50/60Hz

LED: 12x40W Osram LEDs

control

4 channel modes: 19CH/67CH

Electronic zoom range: 6°-55°

Rated power: 300W

Control method: RDM, DMX512, self-propelled, master-slave, sound control

Pan: 540° , resolution 16Bit;

Tilt: 270° , resolution 16Bit;

Scan position memory, automatic error correction, reset function

Display: LCD color display

Signal connection: three-core and five-core card socket

Power socket: PowerCon input / output

Protection level: IP20

Fixed bracket system: two Omega 1/4 swivel brackets designed using standard fixtures High-precision three-phase stepper motor with precise positioning and smooth rotation The product is equipped with a safety rope pendant

Strobe: 0- 100% linear adjustment strobe

Cooling system: Advanced air cooling system, fast and silent, no .

Smooth zoom curve

Dimmer frequency:

2000Hz size and weight

Product size: 35*20*35cm Net weight: 14.5 kg

Packing size: 39*29*42cm Total weight: 16 kg

5. Cable connection (DMX)

Use a cableconforming to specifications EIA RS-485: 2-poletwisted, shielded, 120Ohm characteristic impedance, 22-24AWG,low capacity. Do not use microphone cable or other cable withcharacteristics differing from those specified. The end connections must be made using XLRtype 3 or 5- pin male/female connectors. A terminating plugmust be inserted into the last projector witha resistance of 120 Ohm (minimum 1/ 4W)between terminals 2 and3 .

IMPORTANT: The wiresmustnot makecontact with each otheror with the metalcasing of the connectors. The casing itself must be connected to the shield braid and to pin 1 of the connectors.

6. Rigging (Optional)

This equipment can be positioned and fixed by clamp in every direction of the stage. Locking system makes it easy to fasten to the bracket.

Attention! Two clamps is needed to fix the equipment. Every clamp is locked by fastener of 1/4 kind. Fastener can only be locked clockwise.

Attention! Fasten a safety string to the additional hole of side aluminum piece. The Secondary accessories can not hang on the delivery handle. Nip the equipment on the bracket.

- Check if the rigging clamp (not including the one inside) is damaged or not. If it stands ten times the weight as the equipment. Make sure the architecture can stand ten times the weight of all the equipment, clamps, wiring, and other additional fixtures.

· Screws for clamping must be fixed firmly. Take one M12 screw (Grade 8.8 or higher) to clamp the bracket, and then screw the nuts.

Level the two hanging points at the bottom of the clamp. Insert the fastener to the bottom, lock the two levers by 1/4 rotating clockwise; then install another clamp.

Install on a safety string which stands at least ten times the weight of the equipment. The terminal of the accessory is designed for clamps.

Make sure the pan/tilt lock is unlocked or not. Keep a distance of more than 1 m from equipment to flammable material or lighting source.

Menu	Address	001-512	
	Set Up	Operating Mode	DMA/self-propelled 1/self-propelled
		Channel Mode	1/9CH/67CHt
		Flip Horizontal	On/Off
		Vertical Inversion	On/Off
		Hall Error Correction	On/Off
		Optocoupler Error Correction	On/Off
		Signal Hold	On/Off
		Screen Saver	On/Off
		Screen Flipping	Automatic/On/Off
		Synchronous	On/Off
		Language	Chinese/EN
		Restore Factory Settings	Confirm/Cancel
	Manual Mode		
	System Calibration	Panther Motor	001-255
		Tilt Motor	001-255
		Focusing Motor	001-255
		Rotating Machines	001-255
		Red White Balance	001-255
		Green White Balance	001-255
		Blue White Balance	001-255
		White Balance	001-255
		Power	001-255
		Red 1 White	001-255

. **Menu**

		◦ ◦	◦ ◦
		White 12 White Balance	001-255
		MIC Sensitivity	001-255
		Change Password	
	System Reset	Effect Motor Reset	
		Scanning Motor Reset	
		Reset All Motors	
	System Information	Reset Information	
		DMA Data Monitoring	
		Sensor Information	Hardware Version
			Software Version

Channel description Channel

DMX mode: 19 ch

CH	Function	DMX value	Function
1	Pan	0-255	Horizontal motion 0 - 540 degrees
2	Pan fine	0-255	Horizontal fine-tuning
3	Tilt	0-255	Vertical motion 0 - 540 degrees
4	Tilt fine	0-255	Vertical fine-tuning
5	P/T Speed	0-255	Horizontal/vertical velocity
6	Focus	0-255	5 - 60 degree focus
7	Dimmer	0-255	0-100% linear dimming
8	Strobe	0-84	Strobe from slow to fast
		85– 170	Random strobe from slow to fast
		171-225	Lightning strobe from slow to fast
9	Red	0-255	Red 0-100% linear dimming
10	Green	0-255	Green 0-100% liner dimming
11	Blue	0-255	Blue 0- 100% linear dimming
12	White	0-255	White 0- 100% linear dimming
13	Color temperature	0-255	Color temperature adjustment
14	Color macro function (Static)	0- 127	Macro feature color gradient effect
		128-255	Macro function color hop
15	Macro function dynamic effect	0-20	non- function
		21-27	Effect 1
		28-227	One effect per 8 DMX numbers (25)
		228-255	Effect 27
16	Macro function effect speed	0-255	Macro function effect speed from slow to fast
17	Background dimmer	0-255	Background tone light
18	Background color	0-30	Red background color
		31-60	Green background color
		61-92	Blue background color
		93- 123	White background color
		124- 154	Yellow background color
		155- 185	Purple background color
		186-216	Light blue background
		217-255	Full light background color
19	reset	0-244	non- function
		245-255	reset

DMX mode: 67ch

CH	Function	DMX value	Function
1	Pan	0-255	Horizontal motion 0-540 degrees
2	Pan fine	0-255	Horizontal fine-tuning
3	Tilt	0-255	Vertical motion 0-540 degrees
4	Tilt fine	0-255	Vertical fine-tuning
5	P/T Speed	0-255	Horizontal/vertical speed adjustment
6	Focus	0-255	Focus at 5-60 degrees
7	Dimmer	0-255	0- 100% linear dimming
8	Strobe	0-84	Stroboscopic: from slow to fast
		85– 170	Random stroboscopic from slow to fast
		171-225	Lightning strobe from slow to fast
9	Red	0-255	Red 0- 100% linear dimming
10	Green	0-255	Green 0- 100% linear dimming
11	Blue	0-255	Blue 0- 100% linear dimming
12	White	0-255	White 0-100% linear dimming
13	Colour temperature	0-255	Color temperature control lamp
14	Color Macro Function (Static)	0- 127	Macro feature color gradient effect
		128-255	Macro function color hop
15	Macro function dynamic effect	0-20	non-functional
		21-27	Effect 1
		28-227	One effect per 8 DMX numbers (25)
		228-255	Effect 27
16	Macro function effect speed	0-255	Macro function effect speed from slow to fast
17	Background tone light	0-255	Background tone light
18	Background color	0-30	Red background color
		31-60	Green background color
		61-92	Blue background color
		93- 123	White background color
		124- 154	Yellow background color
		155- 185	Purple background color
		186-216	Light blue background color
		217-255	Full light background color
19	Reset	0-244	incapacitation
		245-255	reset
20	Red 1	0–255	The first red dimmer

21	Green 1	0–255	The first light is dimmed green and red
22	Blue 1	0–255	The first light is dimmed blue and red
23	White 1	0–255	The first light is dimmed white and red
…	…	……	……
…	…	……	……
64	Red 12	0-255	The 12th light bead red dimming
65	Green 12	0-255	The 12th light green and red dimming
66	Blue 12	0-255	The 12th light is dimmed blue and red
67	White 12	0-255	The 12th light is dimmed white and red

REMARK

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Any damage resulting from misuse is not within the Company's warranty.

Any fault or problem caused by neglecting the manual is also not the responsibility of dealers. Errors and omissions for every piece of information given in this manual excepted.

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