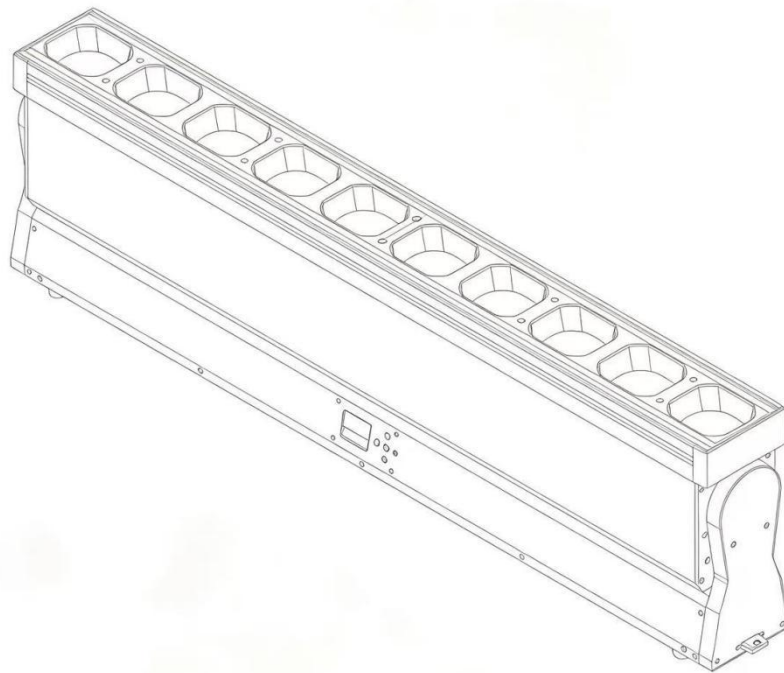




DIAMOND LINE

1060



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 PARAMETERS

LIGHT SOURCE & OPTIC

Light Source: 10pcs 60W RGBW 4in1 LED

Cool white 96x1w, warm white 96x1w, RGB 3in1 96x1w LED

LED Lifetime: Average 50,000 hours

Beam degree: 3°-41°

20300LUX@5M@minimum angle

Color temperature: 2500k-9000k

EFFECTS

Led: pixel control

Strobe: 25 times per second

Dimmer: 0-100% linear dimmer

With Wash, beam, special effects , macro effect.

CONTROL & PROGRAM

Channel: 17/27/99/108/168 CH

Control mode: DMX-512,Auto-run, Sound activated

Update software through DMX connection

POWER SUPPLY

Voltage: AC90-240V 50/60Hz

Max Power: 850 W

DMX signal interface: 3 pin/ 5 pin/ Art-net input output

MOVEMENT

Tilt: 270 degree+ fine

BODY

IP rate: IP20

Screen: 1.77 -inch color LCD display

Cooling system: Fan forced cooling system

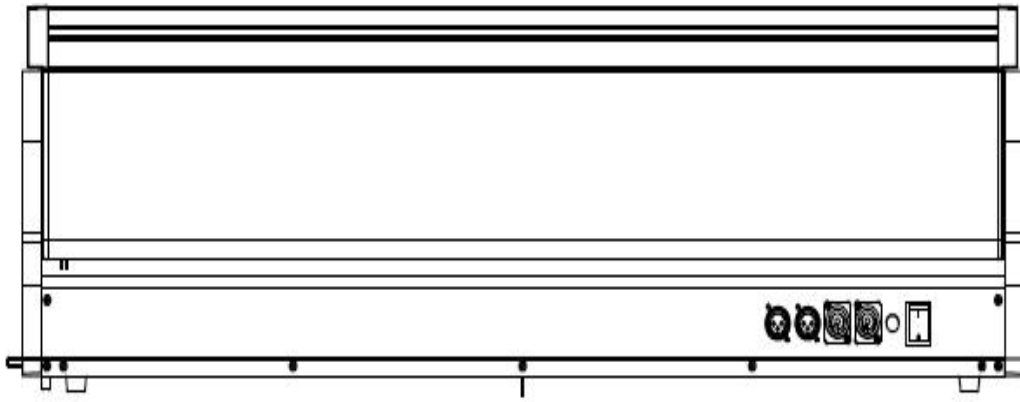
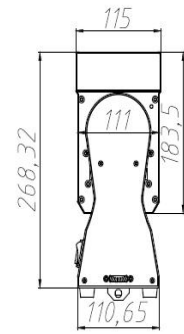
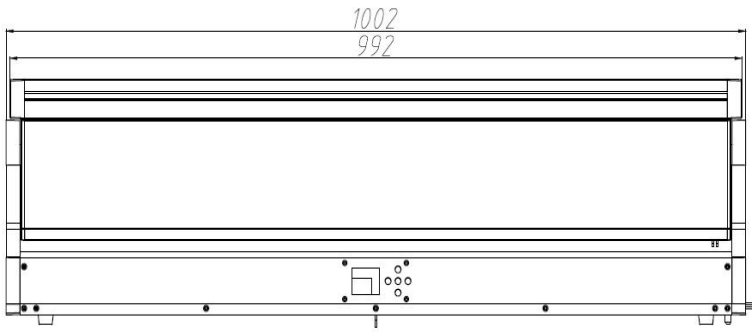
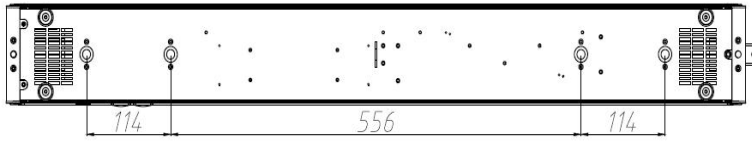
Working environment: Indoor

WEIGHT & SIZE

Fixture size: 100*11.5*29cm

NW.: 19.2 KG GW.:22KG

Carton size: 109*18*35cm (1pc/ctn)



MENU

Main Menu	DMX Address	001 - 512		
	DMX Set up	Channel Mode	17CH /27CH/99CH/108CH/168CH	
		Run Mode	DMX / Auto	
		Tilt Invert	Open/Close	
		Dimmer Fast	Open/Close	
	Manual	Tilt	000 - 255	
		Tilt Fine	000 - 255	
		ZOOM	000 - 255	
		Dimmer	000 - 255	
				
	Information	Time information	Current time	00000H
			Total time	00000H
			Power count	0
		Sensor	Tilt	Norm/Wrong
			Zoom 1	Norm/Wrong
			Zoom 2	Norm/Wrong
			Temp	Norm/Wrong
		Temperature	Head Temp	000°C
		Software Version	Pannel	Vx.xx
			Dimmer	Vx.xx
	Factory	Password	157	
		Tilt	127	
		Zoom 1	127	
		Zoom 2	127	
		Red	000 - 255	
		Green	000 - 255	
				
				
	Reset	All reset	Run/OFF	
		Factory	Run/OFF	
	Display	Language	EN/CH	
		Display Flip	Yes/No	
		Display Mode	60s/Show	

CHANNEL LIST

17CH

CH	DMX Value	Instruction
1	0-255	Tilt
2	0-255	Tilt Fine
3	0-255	ZOOM
4	0-255	Dimmer
5	0-255	Strobe
6	0-255	Effect White strobe
7	0-255	Effect Color Strobe
8	0-255	Macro
9	0-255	Red
10	0-255	Green
11	0-255	Blue
12	0-255	White
13	0-255	Effect cool white
14	0-255	Effect warm white
15	0-255	Effect Red
16	0-255	Effect Green
17	0-255	Effect Blue

27CH

CH	DMX Value	Instruction
1	0-255	Tilt
2	0-255	Tilt Fine
3	0-255	ZOOM
4	0-255	Dimmer
5	0-255	Strobe
6	0-255	Effect White strobe
7	0-255	Effect Color Strobe
8	0-255	Macro
9	0-255	Red
10	0-255	Green
11	0-255	Blue
12	0-255	White
13	0-255	CTO
14	0-255	Color
15	0-255	Built in effect
16	0-255	Built in effect speed
17	0-255	Effect cool white
18	0-255	Effect warm white

19	0-255	Effect white CTO
20	0-255	Built in effect white
21	0-255	Built in effect white speed
22	0-255	Effect Red
23	0-255	Effect Green
24	0-255	Effect Blue
25	0-255	Effect color
26	0-255	Built in effect color
27	0-255	Built in effect color speed

99CH

CH	DMX Value	Instruction
1	0-255	Tilt
2	0-255	Tilt Fine
3	0-255	ZOOM
4	0-255	Dimmer
5	0-255	Strobe
6	0-255	Effect White strobe
7	0-255	Effect Color Strobe
8	0-255	Macro
9	0-255	Red1
10	0-255	Green 1
11	0-255	Blue 1
12	0-255	White 1
13	0-255	Red 2
14	0-255	Green 2
15	0-255	Blue 2
16	0-255	White 2
.....	0-255	.....
45	0-255	Red 10
46	0-255	Green 10
47	0-255	Blue 10
48	0-255	White 10
49	0-255	Effect cool white 1
50	0-255	Effect warm white 1
...	0-255	...
65	0-255	Effect cool white 9
66	0-255	Effect warm white 9
...		...
71	0-255	Effect cool white 12
72	0-255	Effect warm white 12
73	0-255	Effect cool white 13
74	0-255	Effect warm white 13

..	0-255	.....
95	0-255	Effect cool white 24
96	0-255	Effect warm white 24
97	0-255	Effect Red
98	0-255	Effect Green
99	0-255	Effect Blue

108CH

CH	DMX Value	Instruction
1	0-255	Tilt
2	0-255	Tilt Fine
3	0-255	ZOOM
4	0-255	Dimmer
5	0-255	Strobe
6	0-255	Effect White strobe
7	0-255	Effect Color Strobe
8	0-255	Macro
9	0-255	Red1
10	0-255	Green 1
11	0-255	Blue 1
12	0-255	White 1
13	0-255	Red 2
14	0-255	Green 2
15	0-255	Blue 2
16	0-255	White 2
...	0-255	.....
45	0-255	Red 10
46	0-255	Green 10
47	0-255	Blue 10
48	0-255	White 10
49	0-255	Effect Cool white 1
50	0-255	Effect warm white 1
...	0-255	.....
65	0-255	Effect Cool white 9
66	0-255	Effect warm white 9
..	0-255	.....
71	0-255	Effect cool white12
72	0-255	Effect warm white12
73	0-255	Effect Red 1
74	0-255	Effect Green 1
75	0-255	Effect Blue 1
...	0-255	.....
103	0-255	Effect Red 11

104	0-255	Effect Green 11
105	0-255	Effect Blue 11
106	0-255	Effect Red 12
107	0-255	Effect Green 12
108	0-255	Effect Blue 12

168CH

CH	DMX Value	Instruction
1	0-255	Tilt
2	0-255	Tilt Fine
3	0-255	ZOOM
4	0-255	Dimmer
5	0-255	Strobe
6	0-255	Effect White strobe
7	0-255	Effect Color Strobe
8	0-255	Macro
9	0-255	Red1
10	0-255	Green 1
11	0-255	Blue 1
12	0-255	White 1
13	0-255	Red 2
14	0-255	Green 2
15	0-255	Blue 2
16	0-255	White 2
...	0-255	.....
45	0-255	Red 10
46	0-255	Green 10
47	0-255	Blue 10
48	0-255	White 10
49	0-255	Effect cool white 1
50	0-255	Effect warm white 1
...	0-255	.....
65		Effect cool white 9
66		Effect warm white 9
...	0-255	.....
71		Effect cool white 12
72		Effect warm white 12
73		Effect cool white 13
74		Effect warm white 13
...	0-255	.....
95	0-255	Effect cool white 24
96	0-255	Effect warm white 24
97	0-255	Effect Red 1

98	0-255	Effect Green 1
99	0-255	Effect Blue 1
...	0-255	.....
106	0-255	Effect Red 4
107	0-255	Effect Green 4
108	0-255	Effect Blue 4
...	0-255	.....
166	0-255	Effect Red 24
167	0-255	Effect Green 24
168	0-255	Effect Blue 24

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!