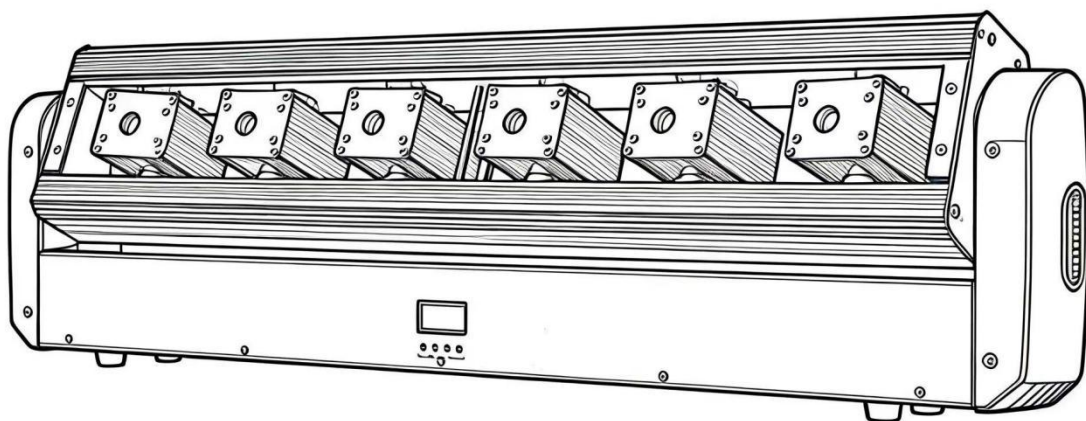


Laser Bar



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

Laser power: RGB 0.5W*6 (Optional 1W/2W*6)

Laser color: RGB

Individual Laser Control

Scanning angle: ± 90 degree

CONTROL & PROGRAM

Laser pattern: a variety of thick beam effect patterns

Laser modulation signal: TTL modulation signal

Control mode: DMX-512, self-propelled, sound control

Control channel: 11/26/38 CH

POWER SUPPLY

Voltage: AC110V /AC230V $\pm 10\%$

Frequency: 50Hz ~ 60Hz

Rated power: 90w

MOVEMENT

Pan Tilt Movement

BODY

IP rate: IP20

Cooling system: Fan forced cooling system

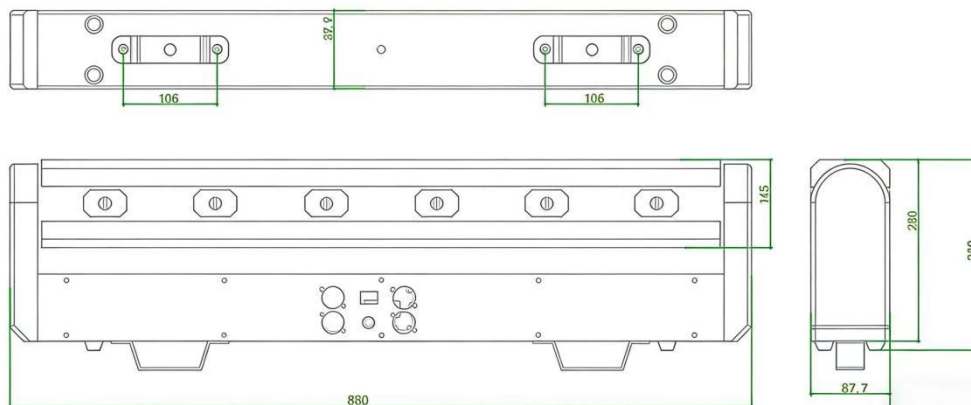
Working environment: Indoor

WEIGHT & SIZE

Net weight: 11kg

Gross weight: 13kg

Product size: 88*15*28cm



MENU

DMX Address	A001---A512 Address code
Channel Mode	11CH,26CH,38CH Channel s
Show Mode	SOUND AUTO, Effect selection
Slave Mode	MASTER, SLAVE,Selection of main and auxiliary engines
Black Out	YES, NO standby mode
Sound State	ON, OFF Voice operated switch
Sound Sense	Voice control sensitivity (0 off, 100 most sensitive)
Pan Inverse	YES, NO Horizontal reverse
Tilt1 Inverse	YES, NO Vertical reverse
Tilt2 Inverse	YES, NO Vertical reverse
Tilt3 Inverse	YES, NO Vertical reverse
Tilt4 Inverse	YES, NO Vertical reverse
Tilt5 Inverse	YES, NO Vertical reverse
Tilt6 Inverse	YES, NO Vertical reverse
Back Light	ON, OFF Backlight switch
Auto Test	automatic testing
Firmware Version	V104 software version No.
Defaults	YES, NO Restore factory settings
System Reset	YES, NO Whole machine reset

CHANNEL LIST

11CH

1	X-axis motor stroke	0---255	0°---360° Location
2	X-axis motor speed	0---255	From fast to slow
3	Y1---Y6 Shaft motor stroke		0 No function 0---255 0°---360°
4	Y-axis motor speed	0---255	From fast to slow
5	Self walking	0---55	No function
		56---80	Self walking effect 1 (XY uncontrollable)
		81---105	Self walking effect 2 (XY uncontrollable)
		106---130	Self walking effect 3(XY uncontrollable)
		131---155	Self walking effect 4 (XY uncontrollable)
		156---180	Self walking effect 5 (XY uncontrollable)
		181---205	Voice control (XY uncontrollable)
		206---230	Self walking effect 6 (XY uncontrollable)
		231---255	Voice control (XY uncontrollable)
6	Self walking speed		self walking speed and voice control sensitivity
7	Total laser dimming	0---255	0---100% Total dimming
8	Strobe	0---9	No strobe
		10---255	Stroboscopic speed from slow to fast
9	Laser effect	0---255	20 groups
10	Laser effect speed	0---255	Self walking speed from fast to slow
11	Reset	0---249	No function
		250---255	Reset the whole machine (the value stays for 5 seconds)

26CH

1	X-axis motor stroke	0---255	0°---360° Location
2	X-axis motor speed	0---255	From fast to slow
3	Y1 Shaft motor stroke	0---255	0°---360° Location
4	Y2 Shaft motor stroke	0---255	0°---360° Location
5	Y3 Shaft motor stroke	0---255	0°---360° Location
6	Y4 Shaft motor stroke	0---255	0°---360° Location
7	Y5 Shaft motor stroke	0---255	0°---360° Location

8	Y6 Shaft motor stroke	0---255	0°---360° Location
9	Y1---Y6 Shaft motor stroke		0 No function 0---255 0°---360° Location
10	Y-axis motor speed	0---255	From fast to slow
11	Self walking	0---55	No function
		56-80	Self walking effect 1(XY uncontrollable)
		81---105	Self walking effect 2 (XY uncontrollable)
		106---130	Self walking effect 3 (XY uncontrollable)
		131---155	Self walking effect4 (XY uncontrollable)
		156---180	Self walking effect 5 (XY uncontrollable)
		181---205	181---205 Voice control (XY uncontrollable)
		206---230	Self walking effect 6 (XY uncontrollable)
		231---255	Voice control (XY uncontrollable)
12	Self walking speed		self walking speed and voice control sensitivity
13	otal laser dimming	0---255	0---100% Total dimming
14	Strobe		0---9 No strobe 10---255 Stroboscopic speed from slow to fast
15	Red laser 1-6 dimming		0 No function 1---255 1---100%Dimming
16	Green laser 1-6 dimming		0 No function 1---255 1---100%Dimming
17	Blue laser 1-6 dimming		0 No function 1---255 1---100%Dimming
18	The first group of RGB lasers		0---31 shut 32---63 Red 64---95 Green 96---127 Blue 128---159 yellow 160---191 Violet 192---223 Cyan 224---255 All bright
19	The second group of RGB lasers		0---31 shut 32---63 Red 64---95 Green 96---127 Blue 128---159 yellow 160---191 Violet 192---223 Cyan 224---255 All bright
20	The third group of RGB lasers		0---31 shut 32---63 Red

			64---95 Green 96---127 Blue 128---159 yellow 160---191 Violet 192---223 Cyan 224---255 All bright
21	The fourth group of RGB lasers		0---31 shut 32---63 Red 64---95 Green 96---127 Blue 128---159 yellow 160---191 Violet 192---223 Cyan 224---255 All bright
22	The Five group of RGB lasers		0---31 shut 32---63 Red 64---95 Green 96---127 Blue 128---159 yellow 160---191 Violet 192---223 Cyan 224---255 All bright
23	The Six group of RGB lasers		0---31 shut 32---63 Red 64---95 Green 96---127 Blue 128---159 yellow 160---191 Violet 192---223 Cyan 224---255 All bright

24	Laser effect		0---15 No function 16---27 Effect 1 28---39 Effect 2 40---51 Effect 3 52---63 Effect 4 64---75 Effect 5 76---87 Effect 6 88---99 Effect 7 100---111 Effect 8 112---123 Effect9 124---135 Effect10 136---147 Effect11 148---159 Effect12 160---171 Effect13 172---183 Effect14 184---195 Effect15 196---207 Effect16 208---219 Effect17 220---231 Effect18 232---243 Effect19 244---255 Effect20
25	Laser effect speed	0---255	Self walking speed from fast to slow
26	Reset	0---249	No function
		250---255	Reset the whole machine (the value stays for 5 seconds)

38CH

1	X-axis motor stroke		0---255 0°---360° Location
2	X-axis motor speed		0---255 From fast to slow
3	Y1 Shaft motor stroke		0---255 0°---360° Location
4	Y2Shaft motor stroke		0---255 0°---360° Location
5	Y3haft motor stroke		0---255 0°---360° Location
6	Y4aft motor stroke		0---255 0°---360° Location
7	Y5aft motor stroke		0---255 0°---360° Location
8	Y6aft motor stroke		0---255 0°---360° Location

9	Y1---Y6 Shaft motor stroke		0 No function 0---255 0°---360° Location
10	Y-axis motor speed	0---255	From fast to slow
11	Self walking	0---55	No function
		56-80	Self walking effect 1(XY uncontrollable)
		81---105	Self walking effect 2 (XY uncontrollable)
		106---130	Self walking effect 3 (XY uncontrollable)
		131---155	Self walking effect4 (XY uncontrollable)
		156---180	Self walking effect 5 (XY uncontrollable)
		181---205	181---205 Voice control (XY uncontrollable)
		206---230	Self walking effect 6 (XY uncontrollable)
		231---255	Voice control (XY uncontrollable)
12	Self walking speed		self walking speed and voice control sensitivity
13	otal laser dimming	0---255	0---100% Total dimming
14	Strobe		0---9 No strobe 10---255 Stroboscopic speed from slow to fast
15	Red laser 1-6 dimming		0 No function 1---255 1---100%Dimming
16	Green laser 1-6 dimming		0 No function 1---255 1---100%Dimming
17	Blue laser 1-6 dimming		0 No function 1---255 1---100%Dimming
18	The first set of red lasers	0---255	0---100%Dimming
19	The first group of green lasers	0---255	0---100%Dimming
20	The first group of blue lasers	0---255	0---100%Dimming
21	Second set of red lasers	0---255	0---100%Dimming
22	Second set of green laser	0---255	0---100%Dimming
23	Second group of blue lasers	0---255	0---100%Dimming
24	The third group of red lasers	0---255	0---100%Dimming
25	The third group of green lasers	0---255	0---100%Dimming
26	The third group of blue lasers	0---255	0---100%Dimming
27	Group 4 red laser	0---255	0---100%Dimming

28	Group 4 green laser	0---255	0---100%Dimming
29	Group 4 blue laser	0---255	0---100%Dimming
30	Group 5red laser	0---255	0---100%Dimming
31	Group 5green laser	0---255	0---100%Dimming
32	Group 5blue laser	0---255	0---100%Dimming
33	Group6red laser	0---255	0---100%Dimming
34	Group 6green laser	0---255	0---100%Dimming
35	Group 6blue laser	0---255	0---100%Dimming
36	Laser effect		0---15 No function 16---27 Effect 1 28---39 Effect 2 40---51 Effect 3 52---63 Effect 4 64---75 Effect 5 76---87 Effect 6 88---99 Effect 7 100---111 Effect 8 112---123 Effect9 124---135 Effect10 136---147 Effect11 148---159 Effect12 160---171 Effect13 172---183 Effect14 184---195 Effect15 196---207 Effect16 208---219 Effect17 220---231 Effect18 232---243 Effect19 244---255 Effect20
37	Laser effect speed	0---255	Self walking speed from fast to slow
38	Reset	0---249	No function
		250---255	Reset the whole machine (the value stays for 5 seconds)

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!