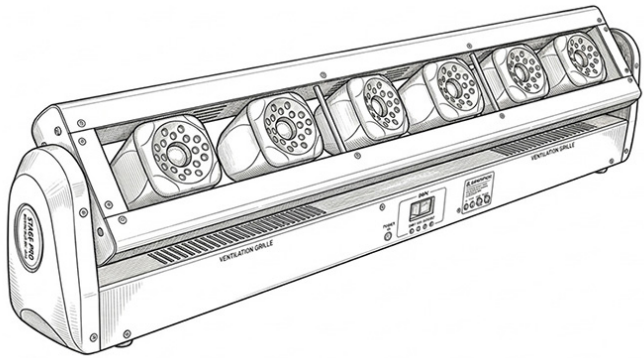
Laser Bar 6d moving RGB



FXLIGHTING

FX-LIGHTING.COM

User Manual

Please read carefully before use

Introduction

Thank you for purchasing this product.

To ensure proper operation, please read this manual carefully before using the product.

After reading it, keep it in a safe place for future reference.

This product has been tested at our factory before shipping to you, there is no assembly required.

Once after receiving this product , please take and put carefully. And check cautiously that whether the product was damaged or not during the transportation.

Checking Parts

Please check if the following parts are included:

1 x Light

1 x Power cable

1 x User manual

Danger Light Radiation!

Avoid direct eye exposure!

Light radiation can cause eye damage or skin damage

All protective measures for a safe operation of this light must be applied.

Installation

1. Please check the voltage whether is the same with the one showed on the equipment.
2. It must ask for the technical person and set the light safety when installation. And let the light beam at the suitable angle.
3. When install this equipment please make sure there's no flammable surfaces (decorated things, etc) within at least 2.5M and maintain minimum distance of 0.5M from the equipment to the walls.
4. Please make sure that there's no other equipment or decorating materials obstructed the exhaust fan and the vent-pipe.
5. Products should be install immobility.
6. In case of safety, it's very important that to connect ground wire.

Attention

1. Please do not open the bottom cover yourself without permission. Operate it accord the user manual. Call the technician when the machine breaks down.
2. Please do not see the light beam directly to avoid any damage.
3. Before connect or disconnect the power, please adjust the luminance of the light diode to the least to avoid any damage to the light diode.
4. This unit should be keep dry, do not use in the rain and dusty environment. It can be use in the outdoor with the water-proof cover .
5. Set the light immobility and try to avoid strong shake or hit.
6. Prevent dust into the equipment to avoid problems.

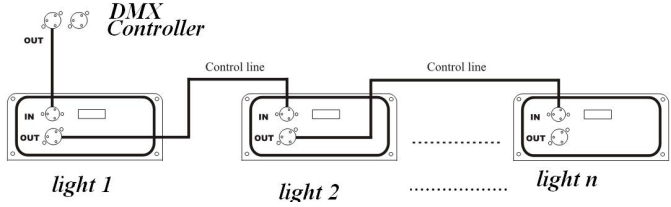
7. Please keep that there's no other equipment or decorating materials obstructed the exhaust fan and the vent-pipe when the equipment was working.
8. Before connect power, check the plug is immobility or not, power cable should be connect well.
9. Please do not open or close the equipment frequently that's to avoid any affect to the life span of the light diode, and try the best to avoid the long time working.
10. Due to the characteristic of the light diode, after four hours working, it should be close at least 25 minutes until the light diode cooling then work again.
11. Don't touch the light or draw the power line when your hand was wet. And do not pull the electronic power line.
12. Maintain the distance at least 3M above from the equipment to the object.
13. This equipment does not have any parts can repair for the users, please do not open the equipment.
14. When the light diode became dim or damaged please contact the dealer timely.
15. When you want to re-transfer the product, you'd better use the original package to shockproof.

LCD Function Menu

Menu	Secondary menu
DMX address	DMX address 001-512
Channel mode	14CH/35CH/42CH
Mode select	DMX512
	Master
	Slave 1
	Slave 2
Auto Run mode	Auto 0-16 Speed 0-9
Sound mode	Show 0-16
Sound sense	0-100
Back lights	On/Off
Pan Inverse	Yes/No
Tilt Inverse	Yes/No
Auto Test	Test
Fixture Time	0-9999
Software Version	Version
Motor Reset	Yes/No
Default	Reset

DMX Setting

Input DMX signal, DMX daisy chain picture as follow



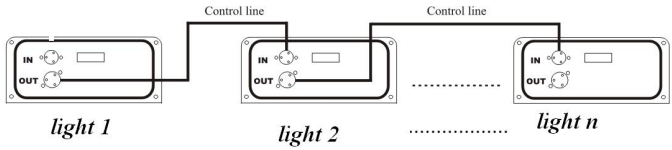
DMX control, each light should has its own address. The fist light address is 1, the second light address 15 or 36 or 43 (the first light address 1 plus 14 or 35 or 42 channel), the third light address 29 or 71 or 85.

DMX - 512 control mode as following :

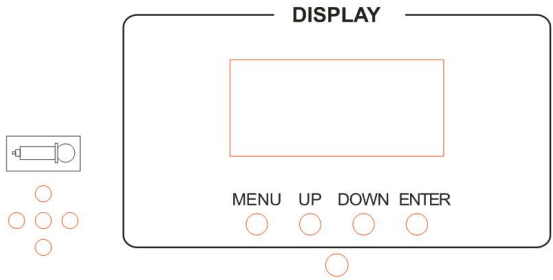
Number	Address	LCD display(No.)
1	1	001
2	15 or 36 or 43	015 or 036 or 043
3	29 or 71 or 85	029 or 071 or 085
⋮	⋮	⋮

Master-slave Setting

Link the lights as the following picture (the light which does not receive signal, only output signal, will be the master light)，

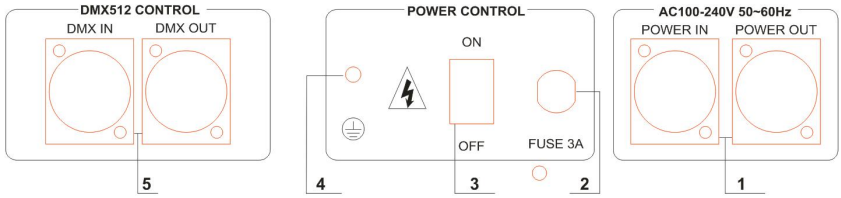


- **LCD display panel, as following：**



Operation: Press “MENU” will cycle fourteen different effect.. Press”UP”, ”DOWN” to select different features. Press ”ENTER” to confirm.

- **Using before please must be check power supply link with earth wire correctly.**
- **The specification of the front and rear panel:**
  1. Input rated voltage
  2. Fuse
  3. Power switch button
  4. Ground marking
  5. DMX IN/ DMX OUT: DMX signal output and input



Technical Specifications

1. Power Supply: AC100~240V 50/60Hz
2. Rated Power: 250W
3. light color: 12000mW (2000 x 6)
   （R600mW+G500mW+B1000mW）
4. Y axis rotation angle: 0-240°
5. Z axis rotation angle: 0-140°
6. Working Mode: Sound/Automatic/DMX512/Master-Slave
7. Auto mode: 16 kinds of automatic dynamic effect/ 16 kinds of sound trigger dynamic effect
8. DMX Control Channel: 14CH/35CH/42CH
9. Cool system: forced air cooling system
10. Working temperature: 0℃ - 35℃
11. N.W./G.W.: 27kg / 31kg
12. Package size: 101 x 46 x 33cm

DMX-512 Channel Introduction

35CH / 42CH mode as following

Channel		Value	Function
CH1	CH1	000-007	Black, motor controllable
		008-255	On
CH2	CH2	001-255	Strobe（speed from slow to fast）
CH3	CH3	000-007	Invalid
		008-247	Each 14 value be one Y/Z axis macro effect, total 16 effects (motor controllable)
		248-255	Sound trigger（motor controllable）
CH4	CH4	001-255	Y, Z speed from slow to fast （only valid for CH3 (008-247）)
CH5	CH5	000-014	Invalid
		015-255	Color chase(each 20 value be one color chase effect, total 12 effects)
CH6	CH6	001-255	Color chase speed from slow to fast （only valid for CH5 (015-255）
CH7	CH7	001-255	Y axis rotation
CH8	CH8	001-255	Y axis fine rotation
CH9	CH9	001-255	Z axis rotation, only when CH9 value=0， 6 motors Z axis individual control valid
	CH10	001-255	Z axis fine rotation
CH10	CH11	001-255	Y, Z axis rotation speed （only valid CH7/CH9）

CH11	CH12	001-255	light 1 Z axis rotation
	CH13	001-255	light 1 Z axis fine rotation
CH12	CH14	001-255	light 1 Red on/off
CH13	CH15	001-255	light 1 Green on/off
CH14	CH16	001-255	light 1 Blue on/off
CH15	CH17	001-255	light 2 Z axis rotation
	CH18	001-255	light 2 Z axis fine rotation
CH16	CH19	001-255	light 2 Red on/off
CH17	CH20	001-255	light 2 Green on/off
CH18	CH21	001-255	light 2 Blue on/off
CH19	CH22	001-255	light 3 Z axis rotation
	CH23	001-255	light 3 Z axis fine rotation
CH20	CH24	001-255	light 3 Red on/off
CH21	CH25	001-255	light 3 Green on/off
CH22	CH26	001-255	light 3 Blue on/off
CH23	CH27	001-255	light 4 Z axis rotation
	CH28	001-255	light 4 Z axis fine rotation
CH24	CH29	001-255	light 4 Red on/off
CH25	CH30	001-255	light 4 Green on/off
CH26	CH31	001-255	light 4 Blue on/off
CH27	CH32	001-255	light 5 Z axis rotation
	CH33	001-255	light 5 Z axis fine rotation
CH28	CH34	001-255	light 5 Red on/off
CH29	CH35	001-255	light 5 Green on/off
CH30	CH36	001-255	light 5 Blue on/off
CH31	CH37	001-255	light 6 Z axis rotation
	CH38	001-255	light 6 Z axis fine rotation
CH32	CH39	001-255	light 6 Red on/off

CH33	CH40	001-255	light 6 Blue on/off
CH34	CH41	001-255	light 6 Green on/off
CH35	CH42	000-128	Invalid
		128-255	Motor reset after 5s

The difference between 35CH and 42CH in same channel

Channel	Value	CH35	CH42
CH1	000-007	CH7\CH8\CH9\CH10\CH11\CH15\CH19\CH23\CH27\CH35 valid	CH7\CH8\CH9\CH11\CH12\CH15\CH16\CH19\CH20\CH22\CH23\CH27\CH28\CH32\CH33\CH37\CH38 valid
	008-255	CH2-CH35 valid	CH2-CH42 valid
CH9	001-255	CH9=0, CH11/CH15/CH19/CH23/CH27/CH31 valid	CH9=0, CH11\CH12\CH15\CH16\CH19\CH20\CH22\CH23\CH27\CH28\CH32\CH33\CH37\CH38 valid

14CH mode as following

Channel	Value	Function
CH1	000-007	Black，motor controllable (CH10\CH11\CH12\CH13\CH14)
	008-255	CH2-CH14 on
CH2	000-255	Red brightness (0% - 100%)
CH3	000-255	Green brightness (0% - 100%)
CH4	000-255	Blue brightness (0% - 100%)
CH5	001-255	Strobe （slow - fast）
CH6	000-007	Invalid
	008-247	Each 14 value be one Y/Z axis macro effect , total 16 effects（motor controllable）
	248-255	Sound trigger（motor controllable）
CH7	001-255	Y,Z axis speed from slow to fast（only valid for CH6 (008-247)）
CH8	000-014	Invalid
	015-255	Color chase
CH9	001-255	Color chase speed from slow to fast(only valid for CH8(015-117))
CH10	001-255	Y axis rotation
CH11	001-255	Y axis fine rotation
CH12	001-255	Z axis rotation
CH13	001-255	Y,Z axis rotation speed （ only valid for CH10/CH12）
CH14	000-127	Invalid
	128-255	Motor reset after 5s

Maintenance

Maintenance should be performed every 15day period, by using a sponge which is dipped with alcohol, rather than wet cloth or other chemical liquid, to clean the mirror.
Always disconnect from the power when the device is not in use or before cleaning it.

Warning

Power must be disconnected before maintenance or repair. Do not look at the light source directly

Declaration

This device has left our premises in absolutely 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.

We cannot be made liable for damages caused by incorrect installations and unskilled operation!

Product common breakdown comparative chart	
Breakdown cause	Major breakdown analysis and solution
The fixture no work	1. Check the power cable ensure the fixture connect the power correctly and the fuse is ok. 2. Check the input voltage whether to assign the voltage match with the fixture.
No sound control	1. Check the address or the display whether establishes according to the instruction booklet is the sound trigger mode.
The fixture can bright normally, but it not controlled by controller	1. Please check the fixture DMX address setting correctly or not. 2. Please check the XLR signal cable whether be damage.
Master-slave mode, The master mode is normal, but slave mode is not normal	1. Please ensure fixture 1 for the master and the master without DMX be connected, and to set master as sound control or auto pattern. 2. Master-slave set as DMX mode
The button malfunction does not work	1. Check the buttons whether to have some button not to have the normal reset.
The fixtures' brightness obvious dim	1. Check the internal and external optical system whether to be clean.