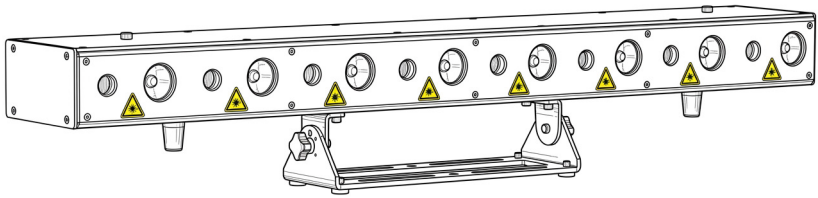
Laser Beam Bar Plus RGB



FXLIGHTING

FX-LIGHTING.COM

User Manual

Please read carefully before use

Introduction

Thank you for purchasing this Our product.We always try to develop our product with high-tech and high performance to meet your requirement and exception.

The unit is designed strictly according to the international standard. The control way is single or master-slave in option. The manual include the skill parameter and detail instructions. Please read this manual carefully before using the product.

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

This unit has been tested at our factory before being shipped 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 Laser

1 x User manual

1 x Power cable

1 x Hanger

Danger Laser Radiation!

Avoid direct eye exposure!

Laser radiation can cause eye damage or skin damage

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

Installation

1. Please check the voltage whether is the same with the one showed on the equipment or not.
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 the earth with line.

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 laser beam directly to avoid any damage.
3. Before connect or disconnect the power, please adjust the luminance of the laser diode to the least to avoid any damage to the laser 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 protector.
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 line 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 laser diode, and try the best to avoid the long time working.
10. Due to the characteristic of the laser diode, after four hours working, it should be close at least 25 minutes until the laser 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 laser 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.

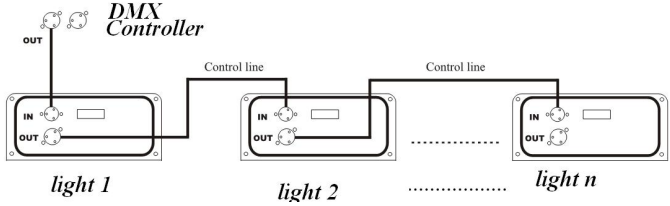
LCD function menu

Menu	Secondary menu
DMX address	DMX512 001-512
Channel mode	12CH/44CH
Mode select	DMX-512
	Master
	Slave1
	Slave2
Light mode	All
	Laser
	Led
	Random
Auto mode	Auto 0 -12 Speed 0 - 9
Sound mode	Show 0 - 12
Sound sense	0-100
Back lights	On/off
Auto Test	Testing

Running time	0-9999
Software version	Version
Default	Yes/No

DMX Setting

Input DMX signal, and the link the DMX controller and the lights by the control line as the following picture, you can control the lights by the controller.



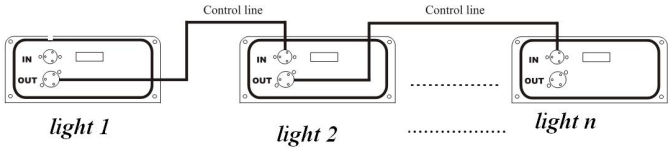
When using any controller, each one must be have its own address. The fist light address is set to 1, the second light address code is set to 13 or 45 (the first light address code 1 plus 12 or 44 channel), the third set of lights on the 25 or 89 position. So on (This setting also need to be based on different console to set, now only by general practice)

DMX - 512 control mode as following :

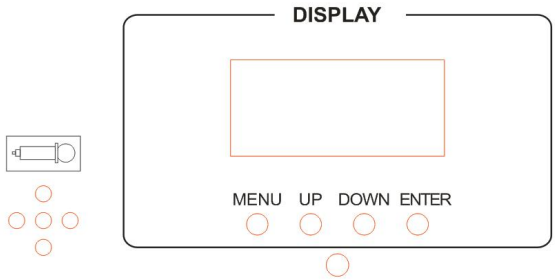
Number	Address	LCD display(No.)
1	1	001
2	13 or 45	013 or 045
3	25 or 89	025 or 089
⋮	⋮	⋮

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)，



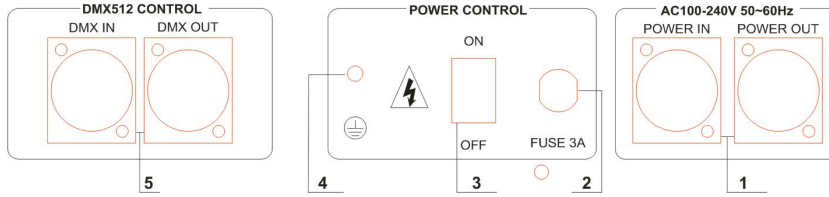
- **LCD display panel, as following：**



Operation: Press “MENU” will cycle fourteen different effect.. Press “UP”, “DOWN”key to modify values. Press “ENTER” key to confirm.

- **Using before please must be check power supply link with earth wire correctly or not.**
- **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: 120W
3. Laser diode: 4000mW (500mW x 8 + Cree 3W warm white LED XPE)
4. Working Mode: Sound/Automatic/DMX512/Master-Slave
5. Auto mode: 12 kinds of automatic dynamic effect/ 12 kinds of sound trigger dynamic effect
6. DMX Control Channel: 12CH/44CH
7. Cool system: forced air cooling system
8. Working temperature: 0℃ - 35℃
9. N.W./G.W.: 12kg/14kg (1pc)
10. Package size: 107 x 25 x 22.5cm

DMX-512 Channel Introduction

1. 44CH mode as following:

Channel	DMX value	Function
CH1	000-255	Laser 0% - 100 %

CH2	000-007	Valid for individual control
	008 -255	Red color brightness 0% - 100 %
CH3	000-007	Valid for individual control
	008-255	Green color brightness 0% - 100 %
CH4	000-007	Valid for individual control
	008-255	Blue color brightness 0% - 100 %
CH5	000-255	LED main switch 0% - 100 %
CH6	000-255	LED on 0% - 100 %
CH7	001-255	Laser strobe
CH8	001-255	LED strobe
CH9	000-014	Off
	015-255	Laser color chase
	0015-035	Laser color chase 1
	036-055	Laser color chase 2
	057-076	Laser color chase 3
	077-097	Laser color chase 4
	098-117	Laser color chase 5
	118-138	Laser color chase 6
	139-159	Laser color chase 7
	160-179	Laser color chase 8
	180-200	Laser color chase 9
	201-220	Laser color chase 10
	221-241	Laser color chase 11
	242-248	Laser color chase 12
	249-255	Random 1-12

CH10	001-255	Laser speed from slow to fast（valid for CH9 (015-255))
CH11	000-014	LED off
	0015-035	LED color chase 1
	036-055	LED color chase 2
	057-076	LED color chase 3
	077-097	LED color chase 4
	098-117	LED color chase 5
	118-138	LED color chase 6
	139-159	LED color chase 7
	160-179	LED color chase 8
	180-200	LED color chase 9
	201-220	LED color chase 10
	221-241	LED color chase 11
	242-248	LED color chase 12
	249-255	Random 1-12
CH12	001-255	LED speed from slow to fast（valid for CH11 (015-255))
CH13	001-255	R1 laser 0% - 100 %
CH14	000-255	G1 laser 0% - 100 %
CH15	000-255	B1 laser 0% - 100 %
CH16	000-255	R2 laser 0% - 100 %
CH17	000-255	G2 laser 0% - 100 %
CH18	000-255	B2 laser 0% - 100 %
CH19	000-255	R3 laser 0% - 100 %

CH20	000-255	G3 laser 0% - 100 %
CH21	000-255	B3 laser 0% - 100 %
CH22	000-255	R4 laser 0% - 100 %
CH23	000-255	G4 laser 0% - 100 %
CH24	000-255	B4 laser 0% - 100 %
CH25	000-255	R5 laser 0% - 100 %
CH26	000-255	G5 laser 0% - 100 %
CH27	000-255	B5 laser 0% - 100 %
CH28	000-255	R6 laser 0% - 100 %
CH29	000-255	G6 laser 0% - 100 %
CH30	000-255	B6 laser 0% - 100 %
CH31	000-255	R7 laser 0% - 100 %
CH32	000-255	G7 laser 0% - 100 %
CH33	000-255	B7 laser 0% - 100 %
CH34	000-255	R8 laser 0% - 100 %
CH35	000-255	G8 laser 0% - 100 %
CH36	000-255	B8 laser 0% - 100 %
CH37	000-255	LED White1 0% - 100 %
CH38	000-255	LED White2 0% - 100 %
CH39	000-255	LED White3 0% - 100 %
CH40	000-255	LED White4 0% - 100 %
CH41	000-255	LED White5 0% - 100 %
CH42	000-255	LED White6 0% - 100 %
CH43	000-255	LED White7 0% - 100 %
CH44	000-255	LED White8 0% - 100 %

2.12CH mode as following:

Channel	DMX value	Function
CH1	000-255	Laser main switch 0% - 100 %
CH2	000-007	Valid for individual control
	008 -255	Laser red color brightness 0% - 100 %
CH3	000-007	Valid for individual control
	008-255	Laser green color brightness 0% - 100 %
CH4	000-007	Valid for individual control
	008-255	Laser blue color brightness 0% - 100 %
CH5	000-255	LED main switch 0% - 100 %
CH6	000-255	LED on 0% - 100 %
CH7	001-255	Laser strobe
CH8	001-255	LED strobe
CH9	000-014	Laser off
	015-255	Laser color chase
	0015-035	Laser color chase 1
	036-055	Laser color chase 2
	057-076	Laser color chase 3
	077-097	Laser color chase 4
	098-117	Laser color chase 5
	118-138	Laser color chase 6

	139-159	Laser color chase 7
	160-179	Laser color chase 8
	180-200	Laser color chase 9
	201-220	Laser color chase 10
	221-241	Laser color chase 11
	242-248	Laser color chase 12
	249-255	Random 1-12
CH10	001-255	Laser speed from slow to fast（valid for CH9(015-255))
CH11	000-014	LED off
	0015-035	LED color chase 1
	036-055	LED color chase 2
	057-076	LED color chase 3
	077-097	LED color chase 4
	098-117	LED color chase 5
	118-138	LED color chase 6
	139-159	LED color chase 7
	160-179	LED color chase 8
	180-200	LED color chase 9
	201-220	LED color chase 10
	221-241	LED color chase 11
	242-248	LED color chase 12
	249-255	Random 1-12
CH12	001-255	LED speed from slow to fast（valid for CH11(015-255))

Maintenance

Maintenance should be performed every 15-day 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.