User's manual

RGB 500-Di-PA

ELECTRA LIGHT®
WWW.ELECTRALIGHT.COM.BR

LASER SHOW SYSTEM

DMX Control Parameter Chart

Channel No		DMX512 fig.	Content
Channel 1	Control mode	0~49	Sound control
		50~99	Auto- beam
		100-149	Auto-animation
		150~255	manual
Channel 2	Color select	0	Laser off
		1-255	Color change
Channel 3	Pattern select	0-255	patterns
Channel 4	Vertical move	0-127	Manual
		128-191	From dowm to up speedy
		192-255	From up to down speedy
Channel 5	Horizontal move	1~127	Manual
		128-191	From right to left move
		192-255	From left to right move
Channel 6	Vertical rotate	0-255	From slow to speedy
Channel 7	Horizontal rotate	0-255	From slow to speedy
Channel 8	rotate	0-127	manual
		128-191	Anticlockwise rotate
		192-255	Clockwise rotate
Channel 9	zoom	0	static
		1-85	From small to big
		86-170	From big to small
		171-255	Auto zoom
Channel 10	Pattern size	0	normal size
		1-255	Small to big
Channel 11	Spot and line	0-255	Line to spot
Channel 12	Twinkle speed	0-22	Slow to speedy

when using this laser,the effection will be changed follow the music.when you change the sound and rhythm,the machine will change its speed and direction.
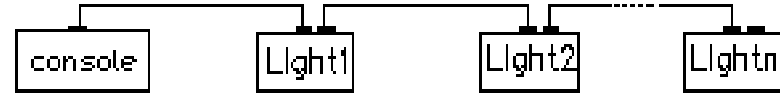
Function Setting

DIPSWITH CHART

X=OFF 1=ON										
DIP SWITCH CHART										**FUCTION**
1	2	3	4	5	6	7	8	9	10	
X	X	X	X	X	X	X	X	X	X	SOUND ACTIVE
1	X	X	X	X	X	X	X	X	X	AUTO -beam
1	1	X	X	X	X	X	X	X	X	AUTO-animation
X	X	1	X	X	X	X	X	X	X	Slave mode
1	SET DMX ADDRESS FOR DMX MODE								1	DMX MODE

Installation

1、Firstly, be sure that the using voltage is match with the voltage marked on the base of the laser lighting ;

2、Installation should be made by professional technician. fix the laser lighting and adjust the angle of the laser lighting to you need;

3、Please check whether the fan and the exhaust is blocked;

4、There is a hole for connection. when hang the laser lighting, be sure the cable can undertake 10 times of the lighting weight;

5、The laser lighting should be fixed;

6、It is essential to be earthed well for the sake of safety。

Manual

DMX512

This laser light is controlled by the standard DMX. Please connect controlling panel with the lighting as following

Before using the DMX512 controller, you should set the channel address. It can be set 001~511 address，every binary address switch has a digital no，please refer to：

No.	Digital No.	No.	Digital No.
1st	1	6th	32
2nd	2	7th	64
3rd	4	8th	128
4th	8	9th	256
5th	16	10th	Function switch

PC Control

If it is set to ILDA mode (use PC software to control light),just need to connect ILDA signal to DB25 jack.ILDA mode(PC control) and built-in program mode can be identified and transisted automatically. Should be set 10kpps in the software in PC

Maintenance

☆ .Please clean the lens regularly. Do not do it using the wet cloth or other chemical. the clean times is depend on the using frequency and surrounding condition; it is recommended that should be cleaned every 20 days;

☆ Please clean the lighting surface and engine outlet regularly.

☆ Be sure that there is no flammable or explosive subject nearby. The least distance is 0.5 meters. at the same time, keep more than 15cm between the wall and laser lighting;

Warning

✧ Power off before installation or maintenance;

✧ The danger class of this laser lighting is CLASS Ⅲ B. it's dangerous for observing laser. The safe minimum distance is 13cm,the safe maximum time is 10 seconds;

✧ Keep at least 0.5 meters distance between the lighting and flammable material;

Thanks for your purchasing, please read this manual carefully before operating the system.. It gives you general information for your safe and better operation.
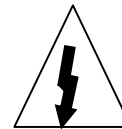
INSPECTION

Check for the contents in the package refer to the following list:

1. Laser lighting: 1
2. Power cable: 1
3. User's manual: 1

Technical parameters

1. Laser diode: DPSS, green 532nm, red650nm, blue445nm
2. Power supply：AC110/220V, 50/60Hz
3. Laser power：B300mw+G50mw +R300mw
4. Scanner: 20Kpps high speed scanners
5. Control mode：sound control/auto/dmx/ILDA
6. Dimensions：380mm×260mm×180mm
7. Net weight： 4.2KG
8 . Gross weight：4.5KG

DANGER
LASER RADIATION AVOID EXPOSURE
TO BEAM CLASS 3B LASER PRODUCT