Laser Show System

Model: CVLC-LT95

User's manual

Thanks for your purchasing. For your safety and better operation, please read this manual carefully before run this system.

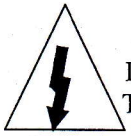
Inspection

Check for the following contents in the package:

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

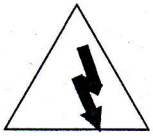
Technical parameters

1. Laser diode: DPSS, green 532nm, red650nm, blue450nm
2. Power supply: AC100---250V, 50--60Hz
3. Laser power: Red 150mW, Green 50mW, Blue 300mW
4. Motor: 10K high speed scanner system
5. Control mode: Sound control/Auto/DMX
6. Dimensions: 31*30*18cm
7. Net weight: 3.0KG
8. Gross weight: 3.5KG



DANGER

LASER RADIATION AVOID EXPOSURE
TO BEAM CLASS 3B LASER PRODUCT



Manual

When using this laser, you can find its effect will change with the music. When you change the sound and rhythm, then the machine will change its speed and direction.

Function Setting

Dipswitch Chart

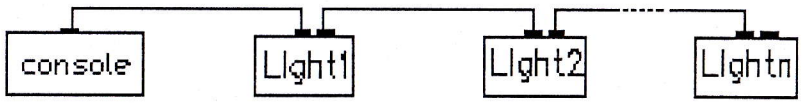
X=OFF 1=ON										
DIP SWITCH CHART										**Function**
1	2	3	4	5	6	7	8	9	10	
X	X	X	X	X	X	X	X	X	X	Sound Active
1	X	X	X	X	X	X	X	X	X	AUTO -beam
1	1	X	X	X	X	X	X	X	X	AUTO-animation
X	X	1	X	X	X	X	X	X	X	Master/Slave Mode
1	SET DMX ADDRESS FOR DMX MODE								1	DMX Mode

Installation

1、At first, make sure that the voltage of this machine match with the voltage in your country.
2、Installation should be made by professional technician. Fix the laser lighting and adjust the angle of the laser lighting according to your requirements.
3、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.
4、Please check whether the fan and the exhaust is blocked.
5、There is a hole for connection. When hang the laser lighting, be sure the cable can undertake 10 times of the lighting weight.
6、The laser lighting should be fixed tighten.
7、It is essential to be earthed well for the sake of safety.

DMX512

This laser light can be 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 between 001~511 address， every binary address switch has a digital no， please refer to the following table:

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 you set this machine to ilda mode (use PC software to control light), then you have to connect ILDA signal to DB25 jack. If you want to set to built-in program, then disconnect this ILDA signal and just set dip switches is OK. Ilda mode (PC control) and built-in program mode can be identified and transited automatically.

Maintenance

☆ Please clean its lens regularly. Do not use wet cloth or other chemical. The time for cleaning depends on the frequency of usage and its surrounding environment. We recommended this light should be cleaned every 20 days.

☆ Please clean the surface of this light and its engine 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, and the safe maximum time is 10 seconds.

☆ Keep at least 0.5 meters between the lighting and flammable material.

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 down 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