

## ●Signal Connection and Address Code Dialing:

This laser performance system has controlled by on/off switch address code. 1 to 9 are the numerical value of DMX 512 signal switch, 10 is the exchange switch of DMX512 signal control and music control, automatic, master and slave.

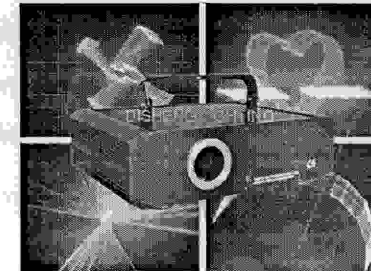
Control mode set up detail as bellow:

MODE		Control switch (ON)
1	DMX-512	1 set address, 2-9 is off
2	Sound Controlled mode and master projector	10 is ON,
3	Automatic Control mode and master projector	9,10 are ON
4	Slave projector synchronization control mode	All are off and connected by DMX

Under sound active control mode: There is a sound sensitivity adjustment function, so you can adjust it to the optimum sound according to your requirement.

# 800MW 3D Cartoon LASER LIGHT

## USER MANUAL



Thank you for using the LS403 laser performer. For the sake of safety and better operation of this projector, please read this manual carefully before use and operate the projector, lest incur any personal injury or damage to the projector.

### ● Package list:

When you unpack the case, please take time to examine the items as follow:

- \_\_\_\_\_ projector 1
- \_\_\_\_\_ Power cord 1
- \_\_\_\_\_ Owner's manual 1
- \_\_\_\_\_ projector sling

### ● Product Introduction:

The LS403 projector adopts the latest appearance design to make it compact and light. The housing use imported paint.

The scanning system is vibratory mirror(25kpps-30kpps), DMX-512 signal 22 channels, international standard DMX-512 signal control or ILDA signal control.

Control modes: DMX-512 signal control, music control, automatic, master and slave, ILDA.

LS403 laser projector was applied for the place of public entertainment such as disco, night club and theater etc.

### ● Function Introduction:

Laser module is semiconductor generator, laser wavelength are 532nm/green and 650nm/red, the two different laser module are combined to give off the yellow laser light. The laser light source has a long

life span and highly stability, complying with the international standard.

### ● Instructions

After unpacking, check whether the projector has been damaged by transport such as any screw loosening, reflecting mirror broken, etc. If everything is OK, select a proper location, hang the projector and adjust its angle properly, then connect the power cord and the ground wire before switch on at the means. Notice that while using this projector the green and yellow wire has to connect the ground properly by professionals. Please examine the electrics and voltage before power on it. We suggest customer apply 220V or a transformer. 20 seconds after powered on the projector, it will self-check and then can be used.

Because of the radiate laser generator's own characteristic, please terminate it for 10 minutes after using it for 30 minutes to secure the laser's long life span.

Avoid being interfered by other signals while using the DMX-512 signal controller.

### ● Technical Parameters:

Rated voltage: AC220V  $\pm 10\%$

Rated frequency: 50HZ~60HZ

Power consumption: 50w ~~-100w~~

Laser power: 300mw ~~-800mw~~

Laser source: solid semiconductor laser generator

Color: blue / 450nm ~~- Green - Red~~

Scanning: 25kpps-30kppsmirror system

Channels : 16CH

Control mode: music control, DMX-512 signal control, automatic, master and slave or ILDA signal control.

Cool system: fan

Operating environment: indoor

## ● Channel 's function:

The GREEN laser light adopts international standard DMX-512 signal, and there are 16 channels, details as below:

Descriptions	
CH1	Auto, sound control and turn off the lights
CH2	Choose the patterns
CH3	Rotate the angle and speed
CH4	Zip and roll from left to right
CH5	Zip and roll from up and down
CH6	Move from up and down, left to right
CH7	Speed change gradually
CH8	Node sharpen
CH9	Auto, sound control and turn off the lights
CH10	Choose the patterns
CH11	angle and speed of the rotation
CH12	Zip and roll from left to right
CH13	Zip and roll from up and down
CH14	Move from up and down, left to right
CH15	Speed change gradually
CH16	Node sharpen

## ILDA signal control mode:

When connected to ILDA signal, the switch will automatically turn to ILDA signal control mode.

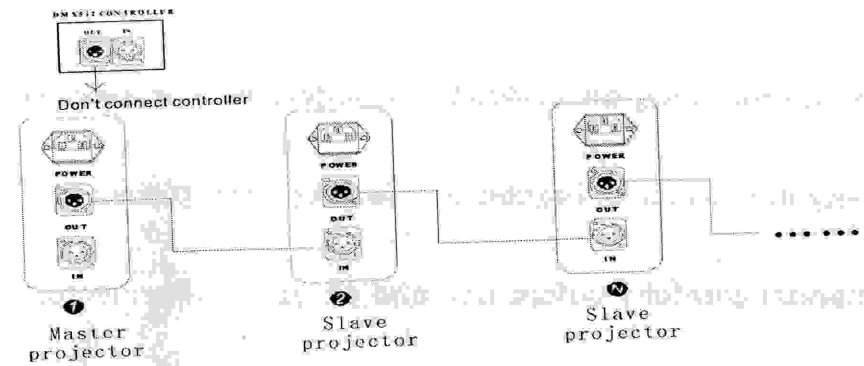
**Attention:** Power off before the connection of ILDA signal to avoid the damage of the projector.

## Attention of Master/Slave Control Mode:

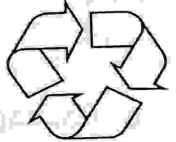
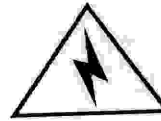
1. You can not connect to the DMX-512 controller when the master and slave projector are operating synchronously, otherwise the master and slave synchronous functions can't be realized;

2. When operating the master and slave controlling, it must be only one master projector, otherwise it can not be operated synchronously.

## Master and Slave connection as below:



## ● Safety marks:



! Please make sure to switch off the power before installation or maintenance.

! Please keep the fan expedite and environment ventilated.

! This laser projector is designed for the indoor, so while using, please avoid any dripping. If you want to use for outdoor, please do enough waterproof measure.

! Before maintenances, please refer to eligible personnel

! Do not use any power voltage and light type of different specifications

! Please do not see the laser light directly, in case it might damage the eyes.

! Avoid electric shock! Bulb overheating.

! Do not use it frequently under the humid atmosphere.

## ● Maintenance:

It is very important to keep the laser light clean, therefore please clean reflector lens monthly to keep the lights away from dust, dirt or fog juice. We suggest that clean the light with professional glass cleaning lotion and downy cloth. Keep the light clean regularly will not only maintain the maximum laser output brightness but also will extend the life span of the laser.