

# User Guide

MODEL: ST-J1000RGB

Thanks for purchasing our company's laser light, in order you can operate Correctly it, please read this guide carefully. The manual include safe instruction and user operation, otherwise it will lead to personal safety or damage the lamp.

Please keep it well for reference in future. We will test well before sending out to have the best effects.

## Open Package to check

Please be careful pull out when you receive the product. And if the light is damage

Due to transportation and check the inner accessories:

- 1 Laser Light
2. 3 Pin Cable
3. User Guide

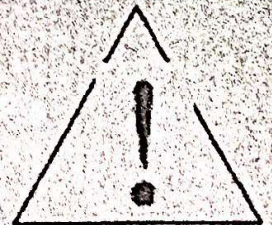
## Technical Parameter

- 1 Laser source: DPSS , Green wave-532nm ; Red wave-638nm; Blue-450nm
- 2 Voltage: AC100-240V,50/60Hz
- 3 Laser power: RGB 1000MW
- 4 Scanner: 20Kpps
- 5 Working mode: Sound/Auto/DMX
- 6 Dim.: 200mm x 175mm x 70mm
- 7 N.W: 1.4KG
- 8 G.W: 1.75KG



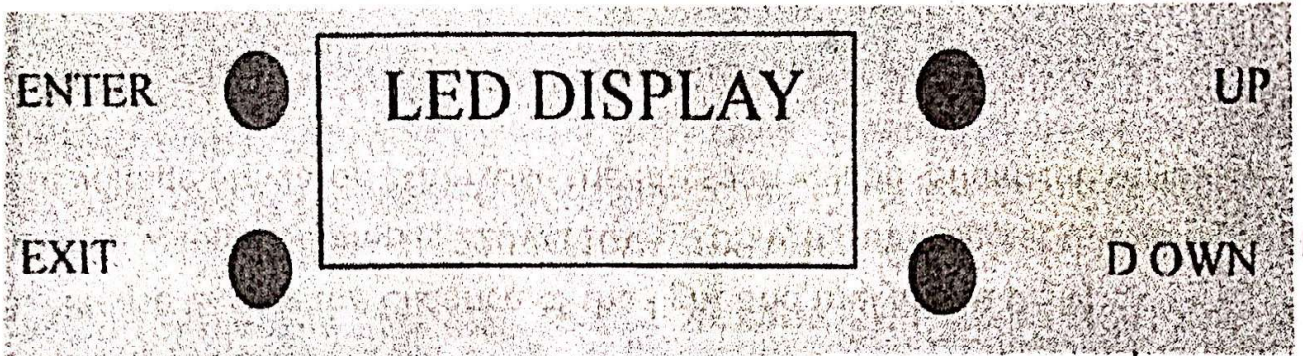
**DANGER**

LASER RADIATION AVOID EXPOSURE



TO BEAM CLASS 3B LASER PRODUCT

## 一. LED Digital Display Panel



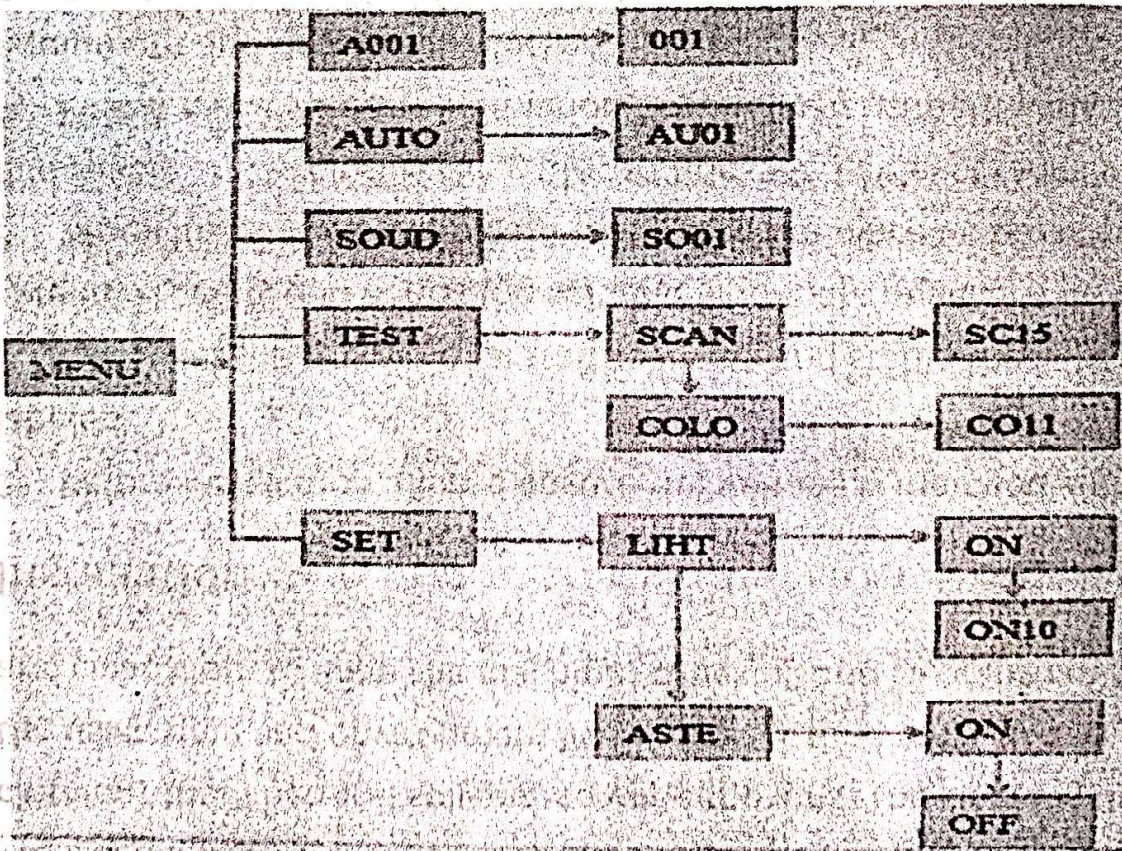
Use easy touch bottom and digital diode menu display function , it is easy to operate

UP. DOWN - To choose what function you want

ENTER- Ensure choose function

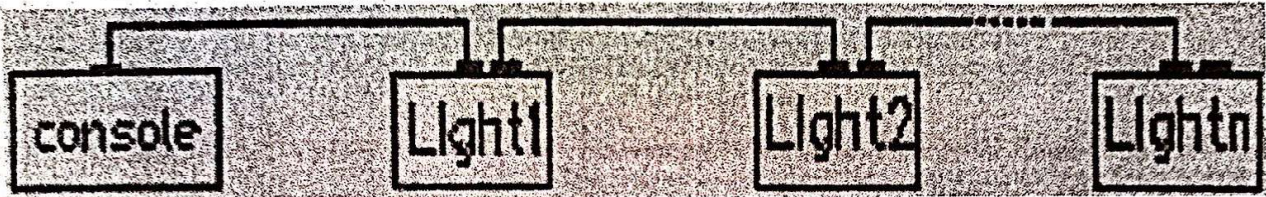
EXIT- Return Last Menu

## 二. Function Menu Setting



# DMX512 Slave

The light can be controlled by Standards DMX512 system, slave as below:



Before using DMX system, please set DMX code well. Code from 001~511, each code has related digital display, please referent as below:

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

## DMX Control Mode

Channel		Channel Value	Control Content
CH1	Laser Off	0	Laser Off
	Laser On	1~255	Laser On
CH2	Pattern	0~255	Pattern Choice
CH3	rotation	1~127	Rotation angel choice
		128~191	Rotation speed choice
		192~255	
CH4	Level Flip	1~127	Flip position choice
		128~191	Flip speed choice
		192~255	
CH5	Vertical Flip	1~127	Flip position choice
		128~191	Flip speed choice
		192~255	
CH6	Level Move	1~127	Movement position choice
		128~191	Movement speed choice
		192~255	
CH7	Vertical Move	1~127	Movement position choice
		128~191	Movement speed choice
		192~255	
CH8	Pattern Zoom	0~63	Pattern size choice
		64~127	From big to small speed choice
		128~191	From small to big speed choice
		192~255	Zoom speed choice
CH9	Pattern	1~255	Gradually draw speed choice
CH10	Scan speed	1~127	Scan speed choice
	Dot effect	128~255	
CH11	Color mode	0~24	Fixed color
		25~199	Color choice
		200~224	Change color effect
		225~255	Running water change color effect
CH12	Color speed	1~255	From slow to fast adjust change color speed
CH13	Automatic Trigger	0~83	Manual control
		84~125	Play insert animation effect
		126~167	Play insert beam effect
	Music Trigger	168~209	Play insert beam effect
		210~251	Play insert animation effect
		252~255	Manual control

# Maintenance

To maintain the product often. When the lamp is used for a long time, the surface of the lens at the light outlet will absorb dust, which will reduce the output power of the laser. Please use lens wipe paper or cotton swab to clean lens with alcohol to optimize light output. Pay attention to not use wet cloth or other chemical solvents to wipe the lens. The cleaning time depends on the using time and environment, We suggest 1 time each 20 days. Please use dry and clean cloth to wipe the machine, checking and cleaning fan output.

## Installation

1. Before installation, please ensure the voltage is matched with the lamp labeled.
2. Please let the professional staff to install and stable the light in the place where is safety and adjust the suitable illuminate angel.
3. When install the light, please make sure the place where is no extremely flammable and explosive thing (decorations etc.) at least range within 0.5M
4. Please make sure the ventilation fan and exhaust path without other equipment and decoration blocked.
5. Considering safety, please use the insurance rope 10 times weight to lift the system.
6. Fixed the position of the light
7. Considering safety, please ground wire to connect earth ground.

## Warning

1. Please make sure the power is off, when you start any installation or maintain.
2. The lamp laser dangerous grade Class III B, it will be dangerous also to watch within beam range and the min. Lighting distance 13CM, and max. Lighting time is Below 10 seconds.
3. Please ensure the distance of the light and fuel above 0.5M
4. The voltage of lamp is 220V/110V+ $\pm$ 10%V, if out range of this voltage, please use voltage regulator, otherwise the life span will be influenced seriously.