

# User Manual for 3000RGB

Please read this manual fully Before operating  
this laser !



Dear customers:

Thank you for choosing our laser series products. To get better experience, please read this manual carefully before using it.

This product has been strict controlled from design to production, and conforms to the use requirements of international standard agreements. Sufficient aging tests will be carried out on the product before leaving the factory to ensure your use experience.

1) We will continue to focus on products' research, development and technical improvement to create better experience effects, so we reserve the right to make changes to the products, not do inform, the manual just for your reference, the final based on the products you received.

2)The content of this manual is limited, just for your reference. We're not undertake any responsibility for its accuracy or omissions.

# 1、 Package contents

- 1 x laser projector
- 1 x power cable
- 1 x interlock connector
- 1 x keys
- 1 x manual

# 2. Function description



1	ILDA IN/OUT	5	LCD display	9	ON/OFF
2	Safety O-ring	6	Adjust switch	10	Fuse
3	DMX IN/OUT	7	Key switch	11	Power connection
4	Handle	8	Interlock		

- 1) ILDA IN / ILDA OUT: ILDA signal connector
- 2) Safety O-ring: Hang a safety rope
- 3) DMX IN/DMXOUT: DMX signal connector, multiple units can be connected

in series

- 4) **The handle:** Links to link
- 5) **LED Display:** machine control the display
- 6) **Adjust switch:** Rotate left and right to adjust, press OK
- 7) **KEY:** when key switch on, the light will go out
- 8) **Internet lock:** connect the remote adapter to the interlock, the laser will only be operate when the remote adapter is plugged in.
- 9) **OFF/ON:** power on/off
- 10) **FUSE:** safety protection
- 11) **Power AC:110-250V:** power connector (wide voltage)

### 3、Product parameters

<b>Product name</b>	3W RGB laser projector
<b>Product model</b>	SUP-3
<b>Power/Wavelength</b>	R: 500mw    638nm G: 850mw    520nm B: 1650mw   455nm
<b>Divergence</b>	<1.1mrad
<b>Control mode</b>	ILDA,DMX512,AUTO,SOUND,MASTER
<b>Laser source</b>	Semiconductor diode
<b>modulation mode</b>	Analog modulation
<b>modulation frequency</b>	100HZ
<b>Scanner system</b>	20kpps
<b>Voltage</b>	AC 100-240V, 50/60HZ
<b>Power</b>	<65W

<b>Cooling way</b>	Fan cooling
<b>Working temperature</b>	-10°C-45°C
<b>Size</b>	220(L)*170(w)*130(H) mm
<b>Weight</b>	3.85KG
<b>Occasion</b>	KTV, CLUB, banquet hall, stage

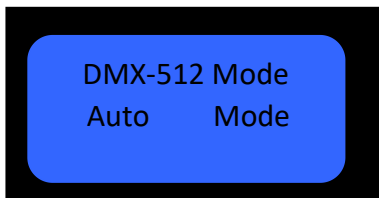
## 4、Operations

1) The laser light must need put the Keys and interlock, Picture below



2) When the machine is connected to IDLA line, the system will default to IDLA control mode, and other control modes will not be able to start. When using control modes other than IDLA control (such as voice control, self-walking, etc.), the IDLA mode should be adjusted to the closed state in the control panel.

3)



-  LED indicator
-  Select Menu

1、LED indicator status description:

Laser Key	RG:Slow
Safety Protected	R: ON G:OFF
DMX And Slave Mode	RG:Fast
Auto Mode	R: OFF G:Slow
Music Mode,	R: Fast G:ON
ILDA Mode	R: OFF G:Fast

2、Select Menu

Select the desired function menu by rotating left and right, the menu height is selected, and press OK/return to the selected function.

2、LCD menu function as below table:

Mainmenu	Submenu	3rd Submenu
1、DMX-512 Mode	DMX-512 Mode Address 001 Channel Expert	Address Setup 001
		Channel Setup Normal Mode Expert Mode
2、Auto Mode	Auto Mode Effect Mix AutoSpeed 50%	Auto Effect Mix Show Lines Show Beams Show

		Auto Speed 50%
3、Music Mode	Music Mode Effect Mix MusicSpeed 50%	Music Effect Mix Show Lines Show Beams Show
		Music Speed 50%
4、Laser Light	Laser Light Scanner 20KPPS Color RGB Laser Analog Invert Normal Image Size X Y Position X Y	Scan Rate 20KPPS
		Color Setup Single RGY RBP GBC RGB WYPC
		Laser Type TTL Analog
		Normal invert X invert Y invert XY
		Image Size Size X Size Y
		Position Setup position X position Y
		Reset Default Yes No
5、Settings	Settings Reset Default SafetyProtected Master Setup Back Light Language	SafetyProtected
		Turn ON Turn OFF

	Display Setup About System	Master Setup Turn ON Turn OFF
		Back Light Normally ON Delay 15S OFF
		Language Chinese English
		Display Setup Rotate 180deg NormalDisplay
		LaserSystem2.9 Software Version 1.0 YM:20190301001
6、NetILDA Mode	NetILDA Mode Turn ON Turn OFF	

### 3、DMX-512 Channel explain:

#### 1、Normal Mode 12CH table:

	Channel	Value	Function
CH1	Turn on/off	0	Turn off
		1~255	Turn on 1-100%
CH2	Red brightness	0~255	Red brightness 0~100%
CH3	Green brightness	0~255	Green brightness 0~100%
CH4	Blue brightness	0~255	Blue brightness 0~100%
CH5	Graphics switch	0~255	Graphics switch
CH6	Graphics size	0~255	From biggest to smallest selection
CH7	Horizontal position	1~255	Horizontal position selection
CH8	Vertical position	1~255	Vertical position selection
CH9	Color	0~63	Fixed seven color selection
		64~95	Change color effect speed selection
		96~127	



		128~159	Flowing water effect speed selection
		160~191	
		192~223	
		224~255	
CH10	Flash effect	1~255	Flash effect speed selection
CH11	Static pattern	0~127	Static pattern selection
	Dynamic pattern	128~255	Dynamic pattern selection
CH12	Auto mode	0~127	Auto speed selection
	Sound mode	128~255	Sound sensitivity selection

## 2、Expert Mode 21CH table:

Channel		Value	Function
CH1	Turn on/off	0	Turn off
		1~255	Turn on 1-100%
CH2	Red brightness	0~255	Red brightness 0~100%
CH3	Green brightness	0~255	Green brightness 0~100%
CH4	Blue brightness	0~255	Blue brightness 0~100%
CH5	Graphics switch	0~255	Graphics switch
CH6	Graphics size	0~255	From biggest to smallest selection
CH7	Horizontal position	1~255	Horizontal position selection
CH8	Vertical position	1~255	Vertical position selection
CH9	Color	0~63	Fixed seven color selection
		64~95	Change color effect speed selection
		96~127	
		128~159	Flowing water effect speed selection
		160~191	
		192~223	
224~255	Gradient effect speed selection		
CH10	Flash effect	1~255	Flash effect speed selection

CH11	Static pattern	0~127	Static pattern selection
	Dynamic pattern	128~255	Dynamic pattern selection
CH12	Auto mode	0~127	Auto speed selection
	Sound mode	128~255	Sound sensitivity selection
CH13	Rotation	1~255	Rotation speed selection
CH14	Flip horizontal	1~255	Flip horizontal speed selection
CH15	Flip vertical	1~255	Flip vertical speed selection
CH16	Horizontal movement	1~255	Horizontal movement speed selection
CH17	Vertical movement	1~255	Vertical movement speed selection
CH18	Zoom	1~255	Zoom speed selection
CH19	Gradient	1~255	Gradient speed selection
CH20	Line scanning speed	0~127	Line scanning speed selection
	Beam scanning speed	128~255	Beam scanning speed selection
CH21	Horizontal wave	1~127	Wave speed selection
	Vertical wave	128~255	

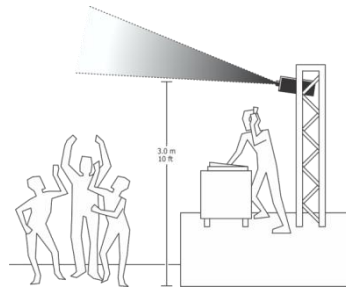
## 5、 Installation instructions

- 1) The equipment should be fixed and installed. Please ensure the stability and load-bearing of the installation point.
- 2) Before installation, please ensure that the power supply voltage meets the requirements, and ensure that it is connected to the main socket with ground wire
- 3) Please ensure that the ventilation fan is unblocked
- 4) Safety rope must be installed when installation
- 5) Safety beam and drop height

Depending on most variances, the device beam must be at least 3 meters

(10 feet) above any ground where your audience is standing. Refer to the variance of the required vertical and transverse safe distances.

Performers and professionals may, at the discretion of an experienced laser safety officer, waive these safe distances and implement alternative radiation safety plans.



## 6、 Maintaining

- 1) Please ensure that the shell is not scratched when dust removal is carried out (it can be wiped with degreased cotton and alcohol)
- 2) Do not wipe the lens with wet cloth or other chemical solvents when maintaining the lens (use defatted cotton and alcohol to wipe)
- 3) Please return to the factory for internal cleaning and maintenance. Do not disassemble the machine without permission

## 7、 Safety warning

1. Do not directly or indirectly look at scattered light sources, which may result in blindness, total blindness, or other serious injuries.
2. Laser equipment should be kept away from fire sources and should not be used around flammable materials.
3. This device is not intended for spectator viewing effect. The operator must ensure that the main laser beam and any reflected beam only stay in the designated safe area. Normally, all beams must be above any ground at

a height of 3 m (10 ft) in order to protect some people from standing and being able to pass safely.

4. This device is more suitable for indoor use, where contact with liquids should be avoided at all times and kept dry.

5. Opening the shell will void the warranty and may cause light damage. Any modification of the equipment is not allowed, which may cause certain dangers and is not covered by the factory's warranty.

6. Please ensure that the power cord is properly grounded before use. Do not connect the device with 2-pin IEC power cord.

7. If you observe that the equipment contains any defects such as manufacturing, damage, general wear or manufacturer's seal breakage, please do not use the equipment and immediately return the equipment to the factory for repair.

8. Before using this product in any form, ensure that the device is properly secured to prevent accidental displacement of the beam and that safety cables are used on any overhead rigging.

9. This product is not a toy, and shall not be touched by unauthorized personnel before, during and after use. Please make sure the laser does not enter the airspace or hit the aircraft.

10. Do not stand in front of the laser when walking. All operators, maintenance personnel and other means of using the equipment should wear protective glasses.