

**USER MANUAL**  
**VOODOO RGB**

## Open box to check

- When you receive the product, take it gently check if there is problem which cause in transportation. At the same time please pay attention to see if there are some parts enclosed:

- |                         |                    |
|-------------------------|--------------------|
| 1. 1unit laser light    | 2. 1pc power cable |
| 3.1pc Pin3 signal cable | 4. 1pc user manual |

## INSTALLATION

- Please confirm whether the voltage you have is same as signed on the light before install.
- Installed by technician. It must be placed safety and best light angle.
- Must keep space between light equipments and combustibles more than half a meter. Keep space between light equipments and wall more than 0.15 meter.
- The fans and vent-pipes should not be jammed by other equipment and decorate materials.
- The light must be fixture installed.
- In safety view please put ground wire into the ground.

## ATTENTION

- Please do not open the bottom cover yourself without permission. Operate it accord the user manual. Please call the technician in case the machine broken down.
- Do not use it under the damp and rain.
- Pay attention to prevent the light from strong bump.
- Prevent the dust into the product
- Keep the vent-pipe well while working.
- Keep the plug insert well before put into power.
- Don't look the light directly to prevent make some destroy with eyes.
- Don't light or extinguish frequently, otherwise the life span of the light tube will be shortened.
- In view of the special characters, after operated the light an hour the product shall be paused about 15 minutes before be used next time.
- Keep the space between light equipments and the lighted things more than one meter.
- Don't touch the product and draw the power line if you hand wet.
- Don't open the cover for there have no parts the user can repair.

- Don't operate the light without lamps.
- If the semiconductor laser doesn't as light as before or there have some destroy with lens or other parts, please contact the distributor in time.
- When you want to retransfer the products, you'd better use the original package to shockproof.

### Maintain

- Please use cotton stick dipped alcohol to wipe the mirrors at regular. Do not use the wet cloth or chemical impregnant to clean the mirrors.
- Please use the soft cloth to clean the surface of product.

**ATTENTION: Disconnect input power before maintain.**

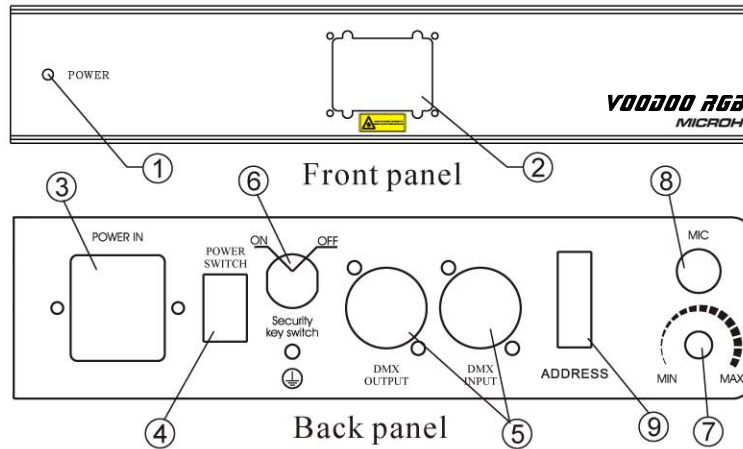
**Don't look straightly at the light sources.**

**NOTE: Don't seperate laser machine from laser power and repair them by yourself otherwise no good repair service will be supplied.i**

### Technology paramters

Cooling mode	Air cooling (DPSS)
Input voltage	AC220~240V 50/60Hz
Total power	50W
Colour	Red、Yellow、Green、Cyan、Blue、Purple、White
DMX Channel	13
Scanner	Simple scan motor
Scan angle	0~ ± 30°
Control mode	Music mode, Auto-mode, Master/slave, DMX512

# Panel operation



①	<b>POWER:</b> Power LED
②	<b>Beam out:</b> Inset mirror
③	<b>POWER In:</b> fuse inside
④	<b>POWER ON/OFF:</b> Power switch
⑤	<b>DMX IN/OUT:</b> DMX512 signal
⑥	<b>Security key switch:</b> Switch on/off power
⑦	<b>MIN—MAX:</b> Potentiometer
⑧	<b>MIC:</b> Music receiver
⑨	<b>ADDRESS:</b> Address code switch. The 10th code is switch code. If the 10th code is OFF, the 1-9 codes are function code. If the 10th code is ON, the fixture can be controlled by DMX512 signal and other codes are DMX address codes.

## Function code setting

Function	Address switch																																	
Music-mode	<table border="1"> <tr><td>1</td><td>2</td><td>3</td><td>4</td><td>5</td><td>6</td><td>7</td><td>8</td><td>9</td><td>10</td><td>ON</td></tr> <tr><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td></tr> <tr><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td></tr> </table>	1	2	3	4	5	6	7	8	9	10	ON	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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DMX mode function switch

































## DMX address code setting

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14	01110000	<table border="1"> <tr><td>1</td><td>2</td><td>3</td><td>4</td><td>5</td><td>6</td><td>7</td><td>8</td><td>9</td><td>10</td><td>ON</td></tr> <tr><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td></tr> <tr><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td></tr> </table>	1	2	3	4	5	6	7	8	9	10	ON	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Switch for DMX control mode.  
The setting in the picture is signal acceptable.

# VOODOO RGB LASER LIGHT

## VOODOO RGB DMX Channel List

Channel		Value	Function
1	Control Mode	0~63	Music Active, Channel 5~13 out of function
		64~127	Auto-mode, Channel 5~13 out of function
		128~191	Sound accelerated manual mode
		192~255	Automatic accelerated manual mode
2	Colour of main pattern	0~22	Close 
		23~45	Basic colours 
		46~68	Red 
		69~91	Yellow 
		92~114	Green 
		115~137	Cyan 
		138~160	Blue 
		161~183	Purple 
		184~206	White 
		207~229	Single Colour change 
		230~252	Stochastic colour change(Basic colour + one new colour) 
253~255	Rainbow colour flow 		
3	Pattern	0~255	127 Patterns
4	Speed	0~255	42Class speed (0~255)/6=(0~42)
5	Main Pattern Rotating	0~63	No function
		64~127	Horizontal rotating (Around Y axis) 
		128~191	Vertical rotating (Around X axis) 
		192~255	Horizontal & Vertical rotating 
6	Dot Rotating	0~63	No function
		64~127	Rotating (Around Z axis) 
		128~191	Dotting(Only dot, no line) 
		192~255	Dot rotating 
7	Move	0~63	No function
		64~127	Horizontal movement 
		128~191	Vertical movement 
		192~255	Sidelong movement 
8	Extend	0~63	No function
		64~127	Extend in Vertical 
		128~191	Extend in Horizontal 
		192~255	Extend in Horizontal & Vertical 
9	Zoom	0~63	No function
		64~127	From small to large 
		128~191	From large to small 
		192~255	From small to large and then to small 
10	Drawing speed	0~255	42 class speed(0~255)/6=(0~42) 0 no function 
11	Scan speed	0~255	255 class speed (From fast to slow) 
12	Colour speed	0~255	255 class speed(From slow to fast) 
13	Pattern Size	0	Original size 
		1~255	42 class size (1~255)/6=(0~42) 1~19 smaller 20 Original size 21~42 Enlarge 

## Problem and Answer

Problem	Causation	Replace part	Series number
No Power	Fuse broken	Fuse	09-00-3001-01
	Power supply broken	$\pm 15V$	16-03-0001-00
No response to Music or it is difficult be activated by music	MIC Broken	MIC	16-03-0001-00
	Code control board	Code control board	26-2A-LT6V20-00
	Potionmeter broken	Potionmeter	04-03-0105-03
	78E58BIC Broken	78E58BIC	00-78E58B-00
X, Y scanner no strength or no pattern or scanner shaking	Scanner broken	Scanner	15-01-0002-00
	78E58BIC broken	78E58BIC	00-78E58B-00
	Code control board broken	Code control board	26-2A-LT6V20-00
	Power supply broken	$\pm 15V$	16-03-0001-00
	Scan board broken	Scan board	26-2A-FASTSCAN-00
No beam or beam dim or beam can't close, but other functions OK	Scan mirror dirty	Clean with alchole	
	Laser diode broken	Green laser diode	07-01-0005-00
		Red laser diode	07-03-0080-00
		Blue laser diode	07-02-0020-01
	Code board broke	Super speed code control board	26-2A-LT6V20-00
	Operation mode incorrect	Refer to manual	
Can not control other function OK, Such as laser diode and fans	Control mode incorrect	Refer to manual	
	Code board broken	Super speed code control board	26-2A-LT6V20-00
	Address code board broken	L T 6Address code board	26-2A-LT6SW-00
	Power supply broken	$\pm 15V$	16-03-0001-00
	Power supply broken	$\pm 12V$	16-03-0019-00