

User Manual

RGB3 head 3 color scanning animation laser lamp



Thank you very much for buying RGB3 head 3 color scanning animation laser light. For your personal safety and better use of the product, please read this manual carefully before using it and operate it in accordance with the regulations to avoid personal safety and damage to the lamps and lanterns.

● **Products and functions:**

The design and production of our products are all evaluated and controlled in a comprehensive way. It is strictly required to meet the quality standards and ensure the superior performance of the products, and to meet the expectations and requirements of the customers to the maximum extent. The product light source adopts the agreement with the international laser generator standard. It can be used on a single station, or online combined with a wide range of applications. It can be used widely and widely. This manual should be kept with the luminaire for emergency needs.

Semiconductor laser generator, laser light source long life, high stability, very simple operation, humanized design, dimming without flickering, jitter phenomenon. It can be adapted to photography, photography, TV stations and other occasions that require strict lighting.

● **Packing list:**

When you turn on the laser light box, please check the following items:

- RGB3 head 3 color scanning animation laser lamp
- RGB3 head 3 color scanning laser power line for animation.
- RGB3 - 3 color scanning laser animation lamp manual

Security instructions:



Prevent electric shock, eye damage, environmental protection

packaging

! Before installing and repairing the lamps, please confirm that the power supply of the lamp body is disconnected. Please ensure that the blower fan outlet is well ventilated and the surrounding environment is well ventilated. Do not use this product in a wet environment for a long time.

! Please prevent lamps from touching water droplets during indoor use or maintenance. If used for outdoor use, please do adequate waterproof measures.

Installation note:

1, installation position: before the positioning and installation of the lamps and lanterns, to ensure the stability of the installation point, to consider the long vibration and time of the wear and tear, bearing at least ten more bearing structure of the large product.

2, the installation process: first check the lamps and lanterns hook and screws are complete or normal. A professional lamp is usually used to hook M8-12 bolts and fix the installation through a nut equipped with a fixture: the safety rope is sent through the installation of the handle or the other safety hanger of the lamps and lanterns, and then the required angle and position are adjusted. When installing lamps and lanterns, it must ensure that its position is stable, and pedestrians are not allowed to walk under the lamps. Valuables or fragile items should not be placed below as far as possible, so as not to damage them. After installation of lamps and lanterns, check the safety rope regularly for a few days to see if there is any loosening and wear. In the removal of lamps

and lanterns to turn off the power supply to ensure its safety, first untie the safety rope, and then remove the hook or hanging lamp, but also to ensure the safety of pedestrians below.

3. After the lamp is installed, the laser lamp should be energized to avoid direct or indirect shooting into people's eyes, and keep the distance between the lamp and combustibles above 0.8 meters. Try to ensure that lamps do not turn on frequently, or strong vibration / impact, do not jitter use.

Product technical parameters:

Rated voltage: AC110V ~ AC230V + 10%

Rated frequency: 50Hz ~ 60Hz

Rated power: 40W

Laser color: green, red, blue,

Laser power: R:150mw/650nm G; 50mw/532nm

B:150mw/450nm

Laser pattern: 25 laser effect patterns

Laser modulated signal: TTL modulation signal

Control mode: DMX-512 signal control, self-propelled mode, voice control mode.

Control channel: 9 DMX512 channels

Scanning system: step motor

Scanning angle: + 25 degrees

Cooling system: forced cooling system of fan

Working environment: Indoor

Lamp size: 46*18*14/ CM

Carton: one for one: 50X24X16CM

net weight:

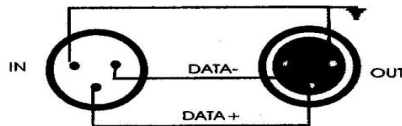
3KG gross weight: 3.5KG

One load of 4:52X51X35CM

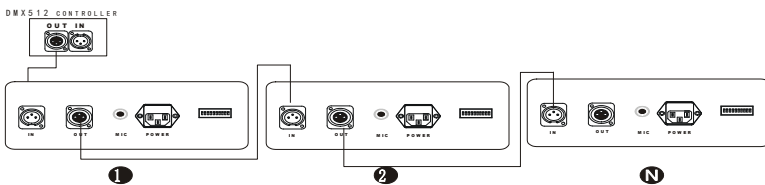
gross weight: 16KG

● **Signal connection:**

The controller has the output of the standard signal of the d m x - 5 - 12. The connection is completed through the "input" and "output" 3 for the XLR block. Control station signal output to the lamps and lanterns must correspond to the lamp on the 3 pin XLR seat 1 feet to 2 feet negative 3 feet positive; otherwise, the 2 and 3 (general control platform do not need to adjust the two feet). The length of the signal line should be within 100M to prevent interference from other electrical appliances due to the excessive signal line.



This product adopts 3 core XLR socket (head), and several connection methods are as follows:



Note: please remember that the signal output port of the last lamp is connected randomly with the loop insertion, which is connected between the 2 feet and the 3 feet of the "CANON" plug connecting 1 120 Omega resistors, which can effectively avoid the noise and signal reflection in the transmission of the DMX512 signal.

If your DMX-512 signal console is a 5-core XLR socket (head), you must use a 5-core to 3-core conversion line, the specific conversion method is as follows:

LED Instructions for use of digital display

1. diagrammaticpart:



Using touch button and LCD menu display function, menu operation is simple and easy to use.

Automatic loading of LaserSystem2.8 software,
The software version (Sof-v2.8) is displayed after the software is loaded.

Through UP and DOWN buttons, select the necessary functions.

Through ENTER, Exit button to determine the selected function, return to the next level menu.

●LCD Function menu settings:

First level menu	Two level menu	Three level menu
1、DMX-512 DMX-512 function	Address 001 Select the lamp address code	
2、Auto Self walking function	Show 01 Selection effect	
	Speed 09 Choice of self walking effect	
	Speed 09 Choice of self walking effect	
3、Music voice control	Show 001 Selection effect	
4、Testing Test function	1、Scanner Selection of scanning speed	1、Scanner 2、30KPPS

	<p>2、 Color Select color</p>	<ul style="list-style-type: none"> ● Single1-7 ● RGY RBP GBC RGB WYCP
	<p>3、 Size Scanning range setting</p>	<p>Size 128</p>
	<p>4、 Invert Reverse phase XY</p>	<p>Invert 1 NO 2 X 3 Y 4 XY</p>
5、 Setting Setting function	<p>1、 Light Setting of background light</p>	<p>1、 ON Bright 2、 ON 5S 5 seconds</p>
	<p>2、 One Beam A bundle of light protection settings</p>	<p>1、 OFF Close 2、 ON Enable</p>
	<p>3、 Master Host setting</p>	<p>1、 OFF Close 2、 ON Enable</p>
	<p>4、 Default Restore factory settings</p>	<p>1、 Yes 2、 No</p>

●Function key operation:

Select the DMX512 function:

Select DMX-512 through the UP and DOWN keys, enter the DMX-512 function according to the ENTER key, and can set the

address code 001, 013, 512 through the UP and DOWN keys, and return by EXIT key.

Choose the function of self walking:

Select AUTO through the UP and DOWN keys, enter the self - walk function according to the ENTER button, and select the self - walking effect of 001, 002, 003, etc. by the UP and DOWN keys, and return by the EXI key.

Select sound control function:

Select Music through the UP and DOWN keys, enter the sound control function according to the ENTER key, and select the sound control effect O01, O02, O03 and so on through the UP and DOWN keys, and return by the EXIT key.

Select the debug function:

Select Testing through the UP and DOWN keys, enter the debugging function according to the ENTER key, and return to the EXIT key through the functions of Scanner, Color, Size, Invert, etc. of the UP and DOWN keys.

Scanne set the scanning speed of the light vibrating mirror:

Select Scanne by UP, DOWN buttons, press ENTER button to enter (30KPPS), at the same time through UP, DOWN buttons can select 10KPPS-30KPPS, press EXIT key to return.

Color set the color mode of the lamp:

Select Color by UP and DOWN keys, enter by ENTER key, and select Single1-7 and Single1-7 by UP and DOWN keys, which are seven monochromatic modes, respectively, RGY, RBP, GBC, RGB, etc.

Select the setting function:

Select Setting through the UP and DOWN keys, enter the

setting function according to the ENTER button, and select the Light, One Beam, Master, Default functions through the UP and DOWN keys, and return by the EXIT key.

Light setting display brightness function:

Select Light through the UP and DOWN keys, press the ENTER button, and select ON (display often) and 5S through the UP and DOWN keys (display the display on the display after 5 seconds).

12CH The pattern follows the following table:

passageway		Channel value	Control content
CH1	Laser light closure	0~41	Laser light closure
	Automatic trigger	42~83	manual control
		84~125	Running the built-in animation effect
		126~167	Operating the effect of a built-in beam
	Music triggering	168~209	Operating the effect of a built-in beam
		210~251	Running the built-in animation effect
		252~255	manual control
CH2	Pattern selection	0~255	Pattern selection
CH3	rotate	1~127	Rotation angle selection
		128~191	Rotation speed selection

		192~255	
CH4	Horizontal flipping	1~127	Flipping location selection
		128~191	Flipping speed selection
		192~255	
CH5	Vertical flipping	1~127	Flipping location selection
		128~191	Flipping speed selection
		192~255	
CH6	Horizontal movement	1~127	Mobile location selection
		128~191	Moving speed selection
		192~255	
CH7	Vertical movement	1~127	Mobile location selection
		128~191	Moving speed selection
		192~255	
CH8	Pattern scaling	0~63	Pattern size selection
		64~127	Selection from large to small speed
		128~191	Selection from small to large
		192~255	Zoom speed selection
CH9	The pattern is gradually drawing	1~255	Gradually drawing speed selection
CH10	scanning speed	1~127	Scanning speed selection
	Point effect	128~255	
CH11	Color	0~24	Fixed color

	pattern	25~199	Color selection
		200~224	Color change effect
		225~255	Water changing effect of water
CH12	Color velocity	1~255	From slow to fast adjust the speed of color change

Address code function mode setting:

model		Binary code, drawing up (ON) address
1	DMX - 512 signal control mode	1-9 set the address of the lamp, 10 to ON
2	Single acoustic mode	1 to ON ,2~ 10 to OFF
3	Single machine since the pattern	1 to 10 ON

Maintenance:

1. Try to prevent dust, dirt and smoke from artificial laying or even flowing into the lamp body, the use of the environment as far as possible to keep the laser performer clean;
2. Please use professional glass cleaning agent regularly every month and clean the mirror with flannelette so as to ensure the maximum laser output and prolong the service life of the light source.