

# **RGB LASER LIGHT SERIES**

## **User Manual**

**Professional laser · Professional Quality**

# 3D RGB with ILDA LASER PROJECTEUR

## USER MANUAL

Thank you for using 3D RGB Series Laser Projector. For the sake of safety and better operation of this projector, please read this manual carefully before using and operating the projector, lest incur any personal injury or damage to the projector.

### Package list:

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

..... <b>3D RGB series laser projector</b>	<b>1</b>
..... <b>3D RGB series laser projector power cable</b>	<b>1</b>
..... <b>3D RGB series laser projector user manual</b>	<b>1</b>
..... <b>3D RGB series laser projector</b>	<b>1</b>

### Special function effects introduction:

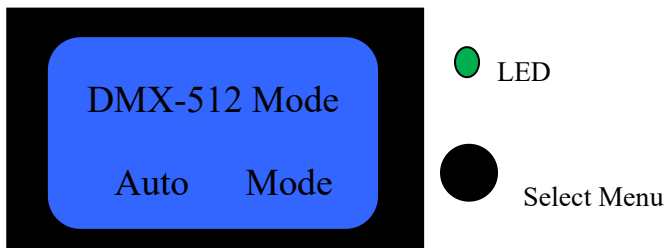
This product is belonged to firefly flower rain series in firefly grating series laser projector. Besides for the general firefly series effects, it also has other more effects. The main feature is to adjust the second control mode, can choose different flower shape effects.

### Using Instructions:

After unfolding the package, please 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 110V/230V or a transformer.

### • LCD Display Panel:



### 1. Led Status Statement LASER KEY RG:

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

## 2、 Select Menu :

Select the required function menu by rotating it left or right, the menu height is checked, and confirm / return the selected function by pressing.

### ● Set of LCD Function Menu:

First class menu	Second class menu	Third class menu
1、 DMX-512 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 Auto Speed 50%	Auto Effect Mix Show Lines Show Beams Show Auto Speed 50%
3、 Music Mode	Music Mode Effect Mix Music Speed 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 XY	Scan Rate 20KPPS
		Color Setup Single RGY RBP GBC RGB WYPC
		Laser Type TTL Analog
		Normal XY invert X invert Y invert XY
		Image Size Size X Size Y
		Position Setup position X position Y
5、 Settings	Settings Reset Default	Reset Default Yes

	Safety Protected	No
	Master Setup	Safety Protected
	Back Light	Turn ON
	Language	Turn OFF
	Display Setup	Master Setup
	About System	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/Ver1.0
		YM:20190301001

●Channel `s function:

1、 Normal Mode 12CH:

Channel		channel value	Control content
CH1	Switch Lights	0	Turn off the lights
		1~255	Lights on. 1-100%
CH2	Red luminance	0~255	Red luminance 0~100%
CH3	Green luminance	0~255	Green luminance 0~100%
CH4	Blue luminance	0~255	Blue luminance 0~100%
CH5	Pattern selection	0~255	Pattern Selection
CH6	Pattern size	0~255	Big To small
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	Color change effect speed selection
		96~127	
		128~159	Velocity selection for flow effects
		160~191	
		192~223	
224~255	Speed selection for gradient Effects		
CH10	Stroboscopic	1~255	Stroboscopic speed selection
CH11	Static pattern set	0~127	Static pattern set selection
	Dynamic pattern set	128~255	Dynamic pattern set selection

CH12	Self-walking mode	0~127	Self-walking speed selection
	Voice Control Mode	128~255	Voice Control Sensitivity selection

## 2、Expert Mode 21CH :

Channel		Channel value	Control content
CH1	Switch Lights	0	Turn off the lights
		1~255	Lights on. 1-100%
CH2	Red luminance	0~255	Red luminance 0~100%
CH3	Green luminance	0~255	Green luminance 0~100%
CH4	Blue luminance	0~255	Blue luminance 0~100%
CH5	Pattern selection	0~255	Pattern selection
CH6	Pattern size	0~255	Big to small selection
CH7	Horizontal position	1~255	Horizontal position
CH8	Vertical position	1~255	Vertical position selection
CH9	Color	0~63	Fixed seven-color selection
		64~95	Color change effect speed selection
		96~127	
		128~159	Velocity selection for flow effects
		160~191	
		192~223	
224~255	Speed selection for gradient effects		
CH10	Stroboscopic	1~255	Stroboscopic speed selection
CH11	Static pattern set	0~127	Static pattern set selection
	Dynamic pattern set	128~255	Dynamic pattern set selection
CH12	Self-walking mode	0~127	Self-walking speed selection
	Voice Control Mode	128~255	Voice Control Sensitivity selection
CH13	Whirling	1~255	Whirling speed selection
CH14	Horizontal Flip	1~255	Horizontal Flip speed selection
CH15	Vertical flip	1~255	Vertical flip 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	Crescendo	1~255	Crescendo speed selection
CH20	Line scan speed	0~127	Line scan speed selection
	Click Scan speed	128~255	Click scan speed selection
CH21	Horizontal wave	1~127	Wave speed selection
	Vertical wave	128~255	

### ● Signal Connection and Address Code Dialling:

When the controller outputs DMX-512 standard signals. The connection is completed with XLR seat through something input something and something output something 3. Console signal output to the lamp must correspond to the lamp on the 3-pin XLR Block 1 foot 2 foot 3 foot negative foot positive; otherwise put 2 and 3 switch (general console do not need to adjust these

two feet) . Signal line length should be within 100M, to prevent the signal line from being too long by other electrical interference.

**This product uses 3-core XLR socket (head) , multi-connection method is as follows:**

When the console control signal input to the LS802 full-color series laser show, all LS802 full-color series laser show must first set the address code. So that the corresponding control signal works. Thus, when using any controller, each luminaire must have its own address code. So, in the first lamp address set to 1, the Second Lamp Address Code set to 7(the First Lamp Address Code 1 plus 6 channels) , the third lamp is set in the location of 13. So on (this setting mode also needs to be based on different console to set, now only in general terms) .

● **USAGE OF ILDA interface control function mode:**

When connecting Standard Ilda interface signal line, it automatically switches to Ilda interface control mode.

Note: First Disconnect Power, then Plug Ilda interface signal line, so as not to damage the lamps.

Master-slave synchronization features:

1, when the host, the lamp will send DMX-512 signal, at this time can not connect to the DMX-512 console, otherwise they will interfere with each other, can not be synchronized operation .

2, multiple lamps and lanterns master-slave synchronous operation, only one of them for the host machine, the other for slave machine. Otherwise, it won't sync.

● **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 3D RGB series 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.