

# User Manual

KeoBin Laser Party Lights

 [support@keobin.com](mailto:support@keobin.com)



## RGB Double Projection Laser Lamp L2800

# User's Manual

Questions or Concerns?

Our team will solve your any problems in 24hours

[support@keobin.com](mailto:support@keobin.com)



Made in China

*This manual contains important laser system safety and operation information. Read and understand all instructions prior to powering on laser unit the first time, to avoid laser eye injury and to avoid breaking the law. Keep this manual in a safe place for future reference.*

LED Blue	The blue LED is always on, this button can be turned on/off, and you can choose LED red and green as well as UV to match. If you don't want to mix colors, you need to turn off LED red and green and UV again
FLASH	Red and Blue Thebeam Light + Red and Green Pattern Light + Led Flash mode
SLOW	Press LED RGB, LED red, LED green and LED blue modes first, and then press this key to perform LED stroboscopic and reduce the speed.
FAST	Press this button again in LED RGB, LED Red, LED green and LED blue mode to perform LED stroboscopic and speed up.
SOUND SENSITIVITY	This button adjusts the voice-control sensitivity, and the voice-control sensitivity can be switched cyclically. (Use this function in SOUND 1, SOUND 2 and SOUND 3 modes.)
Thebeam Light1	Red beam light mode, button to turn on or off the effect, you can choose beam light 2, mode light 3 and mode light 4 to use together.
Thebeam Light 2	Blue beam light mode, button can turn on or off the effect, you can choose beam light1, pattern light 3 and pattern light 4 to use together.
Pattern Light 3	The red pattern laser effect can be turned on or off. You can choose a combination of beam light 1, beam light 2 and pattern light 4
Pattern Light 4	The green pattern laser effect can be turned on or off.. You can choose beam light 1, beam light 2 and pattern light 3 together.

### Warranty Warnings:

1. Damages caused by the disregard of this user manual are not subject to Warranty. The dealer will not accept liability for any resulting defects or problems.
2. Please consider that unauthorized modifications on the device are forbidden due to safety reasons. Please note that damages caused by manual modifications on the device or unauthorized operation by unqualified persons are not subject to warranty.
3. If this device will be operated in any way different to the one described in this manual, it may suffer damages and the guarantee becomes void. Furthermore, any other operation may lead to dangers like short-circuit, burns electric shock, etc.

For any questions about this light, please contact your dealer or our company for service.

## General Instructions

### Unpacking:

Thank you for purchasing this product. Please read user guide for safety and operations information before using the product. Keep this manual for future reference. This product can create perfect light programs and effects since it has passed a series of strictly tests before delivery. Please check the attachments listed on the page after opening the carton. Immediately upon receiving a fixture, carefully unpack the box. Check the box contents to ensure that all parts are present and that they are in good condition. If any part appears damaged from shipping, or if the box shows signs of mishandling, notify the shipper immediately.

What is included: 1\* Light, 1\*Power Cable, 1\*User Guide ,1\*remote control

**Safety Notice:** Please read the following notes carefully because they include important safety information about the installation, usage and maintenance of this product. It is important to read all these notes before starting to work with this product.

Lasers can be hazardous and have unique safety considerations. Permanent eye injury and blindness is possible if lasers are used incorrectly. Pay close attention to each safety REMARK and WARNING statement in the user manual. Read all instructions careful.

## Laser Safety Warnings

Potential laser injury hazard exists with this product! Read these Instructions carefully, which include important information about installation, safe use and service!

### Caution:

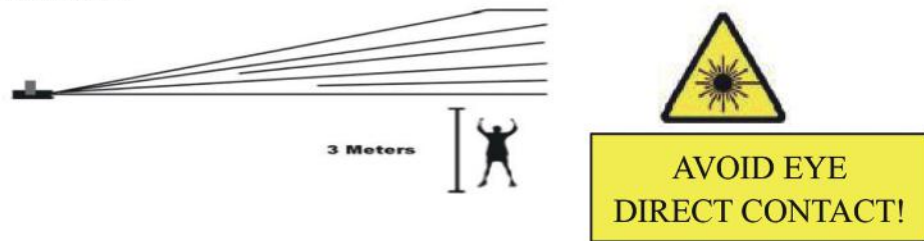
- \*Avoid direct eye contact with laser light. Never intentionally expose your eyes or others to direct laser radiation.
- \*This laser product can potentially cause instant eye injury or blindness if laser light directly strikes the eyes.
- \*It is illegal and dangerous to shine this laser into audience areas, where the audience or other personnel could get direct laser beams or bright reflections into their eyes.
- \*It is a US Federal offense to shine any laser at aircraft.

## NON-INTERLOCKED HOUSING WARNING

\*This unit contains high power laser devices internally. Do not open the laser housing, due to potential exposure to unsafe levels of laser radiation. The laser power levels accessible if the unit is opened can cause instant blindness, skin burns and fires.



## Installation



\*Laser effects projected 3 meters (9.8 ft) above the audience are eye safe. A survey should be taken to assess the likelihood of any reflective surfaces (such as high windows, chrome bars etc) bouncing stray beams back down into the audience.

\*Using a fastening clamps on the light and tight to the ceiling in a strong hook..

\*Make sure its correct power output and plug the power cable to the wall socket.

\* Power must be in earth! Power on the light.

\* Do not shoot the beams to the audience!

\*Do not look direct into the laser aperture once the laser light is ON. Please pay attention to the Laser Danger Warning Label!

## Caution

After setting up, and before public use, test laser to ensure proper function. Do not use if any defect is detected. Do not use if laser emits only one or two laser beams rather than dozens/ hundreds, as this could indicate damage to the diffraction grating optic, and could allow emission of higher laser levels above Class 3B.

**Do not** point lasers at people or animals. Never look into the laser aperture or laser beams.

**Do not** point lasers in areas in which people can potentially get exposed, such as uncontrolled balconies, etc.

**Do not** point lasers at highly reflective surfaces, such as windows, mirrors and shiny metal. Even laser reflections can be hazardous.

**Never** point a laser at aircraft, this is a federal offense.

**Never** point un-terminated laser beams into the sky.

**Do not** expose the output optic (aperture) to cleaning chemicals.

**Do not** use laser if the laser appears to be emitting only one or two beams.

**Do not** use the laser if the housing is damaged, the housing is open, or if the optics appear damaged in any way.

**Never** open the laser housing. The high laser power levels inside of the protective housing can start fires, burn skin and will cause instant eye injury.

**Never** leave this device running unattended.

***During Assembly, operation, maintenance, please pay special attention to avoid possible exposure to laser and collateral radiation in excess of the accessible emission limits.***

***\*Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.***

***\*Protective eye wear is typically required where direct viewing of a Class 3B laser beam may occur.***



The projector must be installed in a location with adequate distance.

## REMOTE CONTROL FUNCTION:



ON	Turn on light
LED UV	Turn on/off led uv
OFF	Turn off light
AUTO1	Light effect:Red and Blue Thebeam Light + Red and Green Pattern Light + Led
AUTO2	Light effect:Red and Blue Thebeam Light + Led
AUTO3	Light effect:Red and Green Pattern Light + Led
SOUND1	Sound active mode 1,The sound active sensor works in high level of sensitivity, light works immediately with some SOUNDS, and turn off immediately without SOUNDS.
SOUND2	Sound active mode 2,When the music sound is loud enough and the rhythm is strong, you can accelerate the color change with the music rhythm. When there is no music, turn off the light.
SOUND3	Sound active mode 3,When the music is loud enough and the rhythm is strong, the color change will be accelerated. When there is no music, it will flash automatically.
SHOW	Under Auto 1, Auto 2, SOUND 1, SOUND 2, SOUND 3, press this button to switch to manual beam effect, press one cut to replace the next effect cycle
MOTOR STOP START	Dc motor switch, this button controls the red and green pattern laser motor stop/start, but does not control the beam lamp motor stop/start
STROBE	Led Strobe mode
LED R/G/B	The red, green and blue LEDs are always on, and this button can be turned on/off. If you want to select monochrome after pressing this button, you can press this button to turn it off, and then select other LED color buttons.
LED Red	The red LED is always on, this button can be turned on/off, and you can choose LED green and blue as well as UV to match. If you don't want to mix the colors, you need to turn off LED green and blue and UV again,
LED Green	The green LED is always on, this button can be turned on/off, and you can choose the LED red and blue as well as UV to match. If you don't want to mix the colors, you need to turn off LED red and blue and UV again,

		195-199 pattern 39 200-204 pattern 40 205-209 pattern 41 210-214 pattern 42 215-219 pattern 43 220-224 pattern 44 225-229 pattern 45 230-255 point
13	Starting point of Pan axis	000-199 Move left and right 200-255 Automatic left-right movement
14	Tilt axis starting position	000-199 Move up and down 200-255 Move up and down automatically
15	Pattern fixed point rotation	000-063 in situ 064-127 Rotate 90 degrees 128-191 Rotate 180 degrees 192-255 Rotate 270 degrees
16	Integral rotation	000-009 NULL 010-120 Turn fast to slow 121-134 NULL 135-245 Reverse slowly to quickly 246-255 NULL
17	flip	000-009 NULL 101-120 Turn left and right fast and slow. 121-134 NULL 135-245 Flip up and down slowly to fast 246-255 NULL
18	stretch	000-127 Big to small 128-255 Scaling changes from slow to fast

## Laser Expected Lifespan

Laser gradually decline in brightness over time. HEAT is the dominant factor that leads to the acceleration of this decline. Packaged in clusters, Laser exhibit higher operating temperatures than in ideal or singular optimum conditions. For this reason when all color Laser are used at their fullest intensity, life of the Laser is significantly reduced. It is estimated that a viable lifespan of 5,000 to 10,000 hours will be achieved under normal operational conditions. If improving on this lifespan expectancy is of a higher priority, place care in providing for lower operational temperatures. This may include climatic-environmental and the reduction of overall projection intensity.

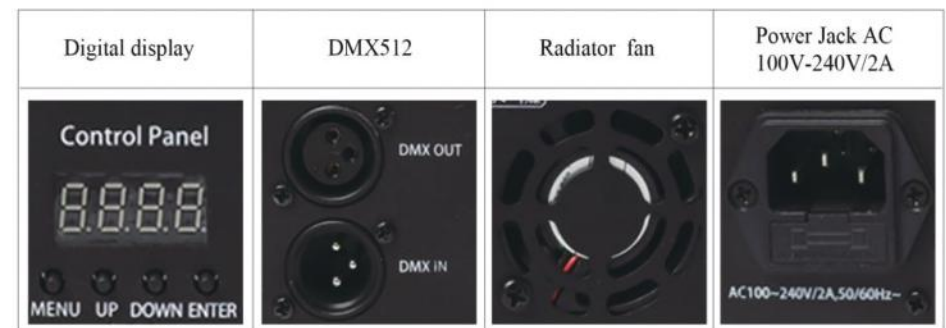
## WHAT'S IN THE BOX

Double projection laser lamp x1  
Power Cable x1  
Remote Control x1  
User Manual x1

## INTRODUCTION

◆Feature: Double-projection laser lamp combine RGBUV LED effect, Red and blue thebeam Light; Red and green pattern laser lamp; LED Strobe; so that a single device can display 4 effects, either work together or separate.

- ◆Scanner High-speed optical scanner, big angle scanning
  - ◆Play Mode Sound Active, AUTO-Beam, DMX, Master/ Slave, Remote Control
  - ◆DMX channel: 18CH
  - ◆Power Supply Bi-Voltage: AC100V ~ 240V /2A, 50/60HZ
  - ◆Applicable place: company advertising, superstar fashion show, DJs, Bands, Bars, Pubs, Clubs, Roller skating rinks, KTV, Family Party, etc.
- Fixture Rear Plate:





6	DC Motor	000-255	
7	LED (red)	000-255	
8	LED (green)	000-255	
9	LED (blue)	000-255	
10	LED (white)	000-255	
11	stroboscopic	000-000 001-004 005-255	without light (Flash speed from slow to fast.)
12	pattern	000-004 005-009 010-014 015-019 020-024 025-029 030-034 035-039 040-044 045-049 050-054 055-059 060-064 065-069 070-074 075-079 080-084 085-089 090-094 095-099 100-104 105-109 110-114 115-119 120-124 125-129 130-134 135-139 140-144 145-149 150-154 155-159 160-164 165-169 170-174 175-179 180-184 185-189 190-194	Null Pattern 1 pattern 2 pattern 3 pattern 4 pattern 5 pattern 6 pattern 7 pattern 8 pattern 9 pattern 10 pattern 11 pattern 12 pattern 13 pattern 14 pattern 15 pattern 16 pattern 17 pattern 18 pattern 19 pattern 20 pattern 21 pattern 22 pattern 23 pattern 24 pattern 25 pattern 26 pattern 27 pattern 28 pattern 29 pattern 30 pattern 31 pattern 32 pattern 33 pattern 34 pattern 35 pattern 36 pattern 37 pattern 38

**Digital display function:**

“Menu” is Menu, “Enter” is confirm, “Previous” is UP, “Next” is down.

Menu: Function mode selection, such as auto strobe, sound active strobe, DMX512 and Dimming mode (This dimming mode can only be set by staff. Please do not set this mode.)

Up/Down: Previous/Next selection or Increase/Decrease selection.

Enter: Confirm and save the selection.

**DISPLAY MENU:**

defn	LIG1 (1r00- 1r99)
	LIG2 ( 1G00- 1G99)
	LIG3 ( 2r00- 2r99 )
	LIG4 ( 2b00-2b99 )
	MOTO ( 1M00-1M99 )
	RED(R000-R099)
	GREE(G000-G099)
	BLUE(B000-B099)
	WHITE(W000-W099)
	STRB(ST01-ST99)
Self-walking	AUT1 -AUT5
Sound-controlled	SOU1-SOU3
DMX address (18 CH)	A001-A512
Dimming mode	OFFS

**DMX channel:**

Mode 1 (18)	Passage	
1	Special channel	000-005 without 006-050 Auto 1 051-090 Auto 2 091-140 sound-controlled 1 141-190 sound-controlled 2 191-240 sound-controlled 3 241-255 without
2	Pattern red laser	000-255
3	Pattern green laser	000-255
4	Jitter red laser	000-255
5	Jitter blue laser	000-255

Thank you for your order. Please do not hesitate to contact us with any questions issues or concerns you may have about our products we are more than happy to help.

As a growing business, we know how scarce time can be, so we especially appreciate your time and input.

 **support@keobin.com**