

# ROMANTIC CRYSTAL BALL LED LIGHT

## *User's Manual*



Read this manual before using. Do not attempt to open the housing or repair this device by yourself without contact us!

## General instructions

### Unpacking:

Thank you for purchasing this product. Please read user guide for safety and before using the product. Keep this manual for future reference. This product can create perfect laser 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. In addition, retain the box and all the packing material for inspection. In any event, save the carton and all packing material because, in case that you have to return the fixture to the factory, you will have to do so in its original box, with its original packing.

1. LED Light: 1PCS
2. Power Cable: 1PCS
3. User Guide: 1PCS

### 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.

#### **LED Expected Lifespan**

LEDs gradually decline in brightness over time. HEAT is the dominant factor that leads to the acceleration of this decline. Packaged in clusters, LEDs exhibit higher operating temperatures than in ideal or singular optimum conditions. For this reason when all color LEDs are used at their fullest intensity, life of the LEDs is significantly reduced. It is estimated that a viable lifespan of 40,000 to 50,000 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.

## Technical Specification

### Feature:

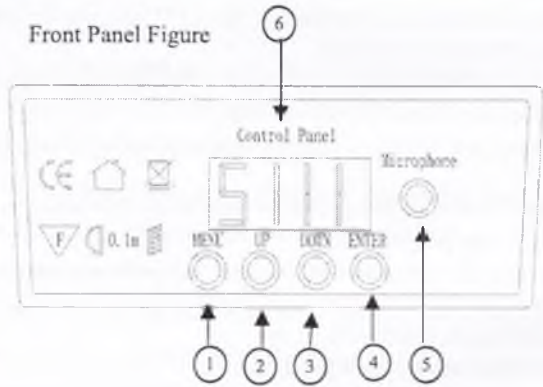
- ◆ With the newest LED technology, this LED light can create an amazing and romantic lighting effects for your place.
- ◆ It has over 200 beams of LED lighting from the transparent case. The beams on the wall look like hundreds of flowers drifting round and round.
- ◆ Compact and lightweight, exquisite appearance, small size, streamline design, attractive effects.
- ◆ Clear and sharp lighting effects even without fog/smoke
- ◆ Easy to use, plug and play
- ◆ LCD digital display, manual function: color selection, jumping, dimmer, strobe, Sound Active
- ◆ Stable working, no hassle on warranty
- ◆ Automatic rotation once power on
- ◆ Built-in microphone can trigger external sound
- ◆ DMX control function: 1. color change 2. strobe speed 3. brightness dimming 4. rotation direction 5. rotation speed 6. Sound active

### Specification:

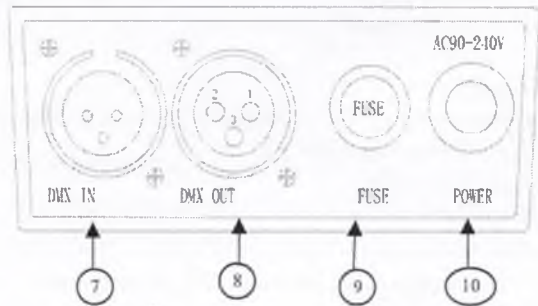
- ◆ LED power output: 6x1W (Red:1W\*2, Green:1W\*2, Blue:1W\*2)
- ◆ long life working hours: 20000 H
- ◆ Rotation angle: 180°
- ◆ Cooling system: air cool
- ◆ Working environment temperature: 0°C-40°C
- ◆ Operation Modes: AUTO, Sound, DMX, Master/Slave
- ◆ DMX Channel: 6
- ◆ Input Voltage: 90V-240V AC 50-60Hz
- ◆ LED Light size: 185\*185\*150mm
- ◆ Net weight: 0.5Kg
- ◆ Gross Weight: 0.8Kg
- ◆ Volume weight: 1.6kg(/5000) on inner gift box, 23.6kg(/5000) on outer carton box.
- ◆ Gift box size: 188x188x157mm(0.006m<sup>3</sup>)
- ◆ Outer carton box size: 565x380x480mm(0.11m<sup>3</sup>), 18pcs/CTN



Front Panel Figure



Rear Panel Figure



- 1. working mode selection
- 4. Enter for confirmation
- 7. DMX IN
- 10. Power Cable

- 2. UP (previous or speedy)
- 8. DMX OUT

- 2. DOWN (next or slower)
- 6. Digital LCD display
- 9. Fuse

## Function & Setting

### Sound Active

The change of the laser pattern is controlled by sound, that is, the rhythm of the sound control the effect of the changing laser pattern. Turning the sensitivity knob in the clockwise direction to increase the fixture's sensitivity to sound, the knob in the counter clockwise direction to decrease. The laser diode will automatically turn off after 8 seconds when the music stops.

### AUTO

Auto cycles the built-in programs without being controlled externally. It has no laser OFF.

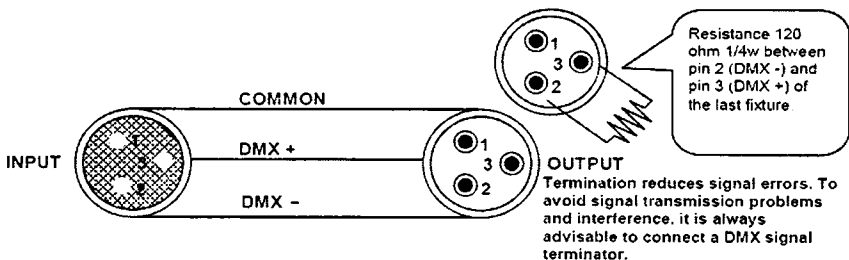
The mode allows a single unit to react to the beat of the music in the master mode.

1. Install the units in a suitable position (laying or appending).
  2. Set dipswitch to select Sound Active or AUTO mode.
  3. Turn on the unit power, the unit begins reset, then the unit begins working.
  4. The unit will react to the low frequencies of music via the internal microphone.
- Adjust the audio sensitivity knob on the back of the unit to make the unit more or less sensitive in sound active. The panel has LED indicating for sound active.

### Master-Slave Operation

This mode will allow you to link up to 32 units together without controller.

1. Install the units in a suitable position (laying or appending).
  2. Choose a unit to function as Master mode, set dipswitch to select Sound Active or AUTO mode. The others must be set to Slave mode, set dipswitch to select Slave mode.
  3. Use standard XLR microphone cable chain your units together via the XLR connector on the rear of the units. For longer cable runs we suggest a terminator at the last fixture.
- Cabling must have a male XLR connector on one end and a female XLR connector on the other end.



**Caution:** Do not allow contact between the common and the fixture's chassis ground. Grounding the common can cause a ground loop, and your fixture may perform erratically. Test cables with an ohm meter to verify correct polarity and to make sure the pins are not grounded or shorted to the shield or each other.

4. Turn on the all units' power, the units begins reset, then the unit begins working.

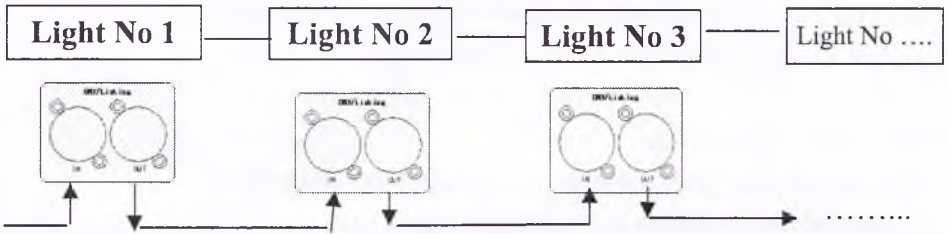
The slave units will react the same as the master unit.

5. The units will react to the low frequencies of music via the internal microphone. Adjust the audio sensitivity knob on the back of the master unit to make the unit more or less sensitive in sound active. The panel has LED indicating for sound active.

**Universal DMX Operation (DMX mode)**

This mode allows you to use universal DMX-512 console to operate.

1. Install the units in a suitable position (laying or appending).
2. Use standard XLR microphone cable chain your units together via the XLR connector on the rear of the units. For longer cable runs we suggest a terminator at the last fixture.
3. Assign a DMX address to each the unit using dipswitches, see the "DMX Address Quick Reference Char".



**DMX Signal**

1: MASTER: SOUND/AUTO/DMX      2: SLAVE      2: SLAVE

4. Turn on the all units' power, the units begins reset, then the unit begins working.
5. Use DMX console to control your units.

**Notes:**

1. DMX console can not be used in Master-Slave operation (Sound Active or AUTO mode ).
2. There should be only one master unit in Master-Slave operation.

## LCD Digital display function:

A001-----A511

A1X	—————▶	Red LED ON
A2X	—————▶	Green LED ON
A3X	—————▶	Blue LED ON
A4X	—————▶	3 color LED Jumping
A5X	—————▶	7 color LED Jumping
A6X	—————▶	Fade
A7X	—————▶	Strobe
S1X	—————▶	Souns Active
S2X	—————▶	Souns Active Jumping

## DMX Control

The system only accepts the DMX512 signal of international standard to control the system mode, the laser beam ON /OFF, running direction, running speed and twinkle speed etc.

### DMX Control:

The LED light only accepts the DMX512 signal of international standard to control the light.

**DMX Control Parameter Chart**

Channel	Value	Description
CH1	0	No strobe
	1~255	LED strobe, slower to faster
CH2	0	Red LED Off
	1~255	Red LED fade, dim to bright
CH3	0	Green LED Off
	1~255	Green LED fade, dim to bright
CH4	0	Blue LED Off
	1~255	Blue LED fade, dim to bright
CH5	0~127	Motor speed control
	128~191	Motor rotation clockwise, fast to slow
	192~255	Motor rotation counter clockwise, fast to slow
CH6	0	CH1 to CH5 function
	10~37	Au01
	38~65	AU02
	66~93	AU03
	.....	S2x

## Troubleshooting

1. If the power supply indicator doesn't light up and the light doesn't work, please check the power supply, the input voltage and the fuse.
2. In Stand-Alone operation, if the power supply indicator is light up and sound active indicator isn't light up, but the laser is shut off doesn't work.
  - A. Because sound is too small make for laser shut off in sound active, please increase the music volume or increase audio sensitivity with sensitivity knob, please check as below.
  - B. Please check if unit has been set up in slave mode, then set up in master mode.
3. In Master-Slave operation, slave unit don't function, please check as below.
  - A. Make sure to there's only one master in the chain, and the others are set in slave mode.
  - B. Make sure to control the unit without DMX console controlling.
  - C. Make sure to take a good quality power cable and connection.

### 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.

After trying the above solution you still have a problem, please contact your dealer or our company for service.