

# LASER SHOW SYSTEM

**MODEL Rhea**

**User Guide**

Thank you for purchasing this product, Please read user guide for safety and operations before using. Keep this manual for future reference. This product can create perfect laser programs and effects since it has passed a series of strict test before delivery.

Once after received this product, please take and put carefully. And check cautiously that whether the product was damaged or not during the transportation.

## **Checking Parts:**

Please check if the following parts are included:

- 1 x Laser Light
- 1 x Power cable
- 1 x User manual

**Danger Laser Radiation!**

Avoid direct eye exposure!

Laser radiation can cause eye damage or skin damage

All protective measures for a safe operation of this laser must be applied.

## **Attention:**

1. Must operate according to the user manual. Don't separate the light personally. Call the technician when the machine breaks down.
2. Please do not see the laser beam directly to avoid any damage.
3. Before connect or disconnect the power, please adjust the luminance of the laser diode to the least to avoid any damage to the laser diode.
4. This unit should be keep dry, do not use in the rain and dusty environment.  
It can be use in the outdoor with the water-proof cover protector.
5. Set the light immobility and try to avoid strong shake or hir.
6. Prevent dust into the equipment to avoid problems.
7. Please keep that there's no other equipment or decorating materials obstructed the exhaust fan and the vent-pipe when the equipment was working.

8. Before connect power, check the plug is immobility or not, power line should be connect well.
9. Please do not open or close the equipment frequently that`s to avoid any affect to the life span of the laser diode, and try the best to avoid the long time working.
10. Due to the characteristic of the laser diode, after four hours working, it should be close at least 25 minutes until the laser diode cooling then work again.
11. Don`t touch the light or draw the power line when your hand was wet. And do not pull the electronic power line.
12. Maintain the distance at least 10M above from the equipment to the object.
13. This equipment does not have any parts can repair for the users. please do not open the equipment.
14. When the laser diode became dim or damaged please contact the dealer timely.
15. To use the original package when transport again and to avoid shake.

## **Installation:**

1. Please check the voltage whether is the same with the one showed on the equipment or not.
2. It must ask for the technical person and set the light safety when installation. And let the light beam at the suitable angle.
3. When install this equipment please make sure there`s no flammable surfaces (decorated things, etc) within at least 2.5M and maintain minimum distance of 0.5M from the equipment to the walls.
4. Please make sure that there`s no other equipment or decorating materials obstructed the exhaust fan and the vent-pipe.
5. Products should be install immobility.
6. In case of safety, it`s very important that to connect the earth with line.

## Specification:

Voltage:220-240V 50/60Hz

Laser: Red 200mW

Power: 10W

Scan system: Single-Chip

Scanning instrument: N1.8 high-precision STEP motor

Control mode:sound control,automatic,DMX512

Laser module: DPPS

Cooling system:air cooled

Operating temperature:indoor 20°C-40°C

## Install Instruction:

- 1.This light can install in any location, and the distance between the light and people or others should be more than 1m, also please make sure that light is locked-in, should make enough safety precautions.
- 2.Make sure the voltage and frequency is adapt to the power supply, and connect the light in the right way, then turn it on.
- 3.The connection of DMX512

DMX Channel	Function	DMX512	Describe
CH1	MODE	0~49	No light
		50~99	DMX Static pattern Mode
		100~149	DMX Dynamic pattern Mode
		150~199	Sound control
		200~255	Auto control
CH2	Pattern Selection	0~255	52 Static Patterns/52 dynamic Patterns
CH3	Position-X	0~255	X-axis move,Static images of the effective
CH4	Position-Y	0~255	Y-axis move,Static images of the effective
CH5	Scan Speed	0~255	Scan speed control,static pattern selection
CH6	Dynamic pattern play speed	0~255	Dynamic pattern play speed control
CH7	Static pattern size	0~255	Enlarge Static pattern

The signal of the DMX512 controller is inserted by the 3 pins XLR socket of "input" and "output" of the light .

DIP10+DIP9 ON:Automatic running (master light)

DIP10 ON:Sound control(master light)

DIP1+DIP3+DIP10:dimmer

DIP10 OFF:DMX mode/slave mode

## **Maintain:**

Please make sure that the power supply is disconnection if you want to open or maintain the light.Keep the light dry and clean.It will be keep the light bright if you often clean the light,also can extend the life.So please use the professional glass cleaning liquid when cleansing it.

Don't use the alcohol or chemical liquid to cleanse it, and please cleanse inside of the light by vacuum cleaner at least one time every year.

## **Warning:**

Please be careful to operate when you install it.

Please don't use this product near water or other liquids.

Please don't install the light in high temperature environment.

The distance between the light and other objects should be at least 0.5m.

Please don't look at the beam of light directly, or it will be hurt your eyes.

To confirm the power supply have cut off before you open and repair the light.