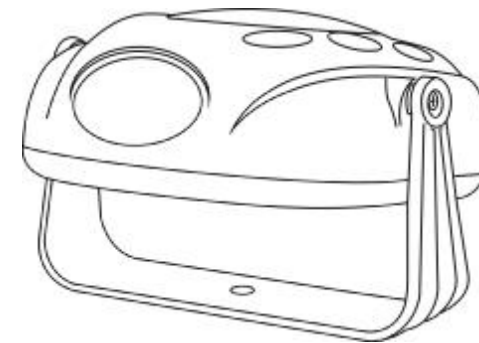


Built for the best performance!

Disco Effect lighting

Professional Lighting Technology

Scarab Laser



User Guide

Professional Entertainment Technology

EC Declaration of Conformity

We declare that our products (lighting equipments) comply with the following specification and bears CE mark in accordance with the provision of the Electromagnetic Compatibility (EMC) Directive 89/336/EEC.

EN55014-2: 1997 A1:2001, EN61000-4-2: 1995; EN61000-4-3:2002;
EN61000-4-4: 1995; EN61000-4-5: 1995, EN61000-4-6:1996,
EN61000-4-11: 1994.

&

Harmonized Standard

EN 60598-1: 2004
IEC 60598-1:2003+ corrigendum 2004
Part 1:General requirements and test

Following the provisions of the low voltage directive 73/23/EEC and 93/68/EEC

Introduction

Congratulations on the purchase of your new lighting effect. We are confident you will enjoy many trouble free hours with this unit. To assist with the care and use of the product we have prepared this short guide.

Safety Precaution



The following points are important for safety as well as for the smooth installation and performance of the unit.

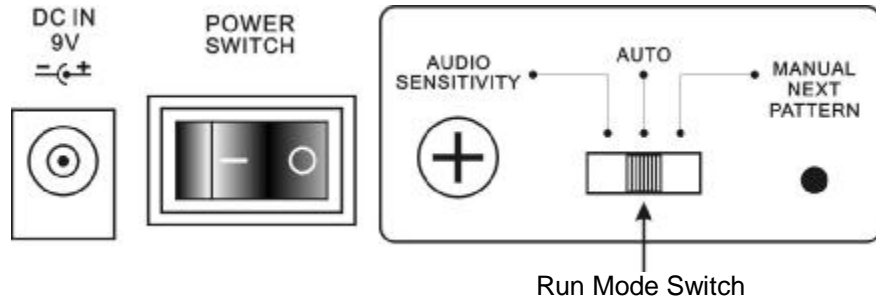
- Unpack carefully and be sure that no damage has occurred during transportation.
- It is very important to ground the yellow/green conductor in order to meet regulations for safety.
- Do not connect the device to any dimmer pack.
- The electrical work that is necessary for installation must be made by qualified personnel.
- Be sure to locate the unit in a place with adequate ventilation at least 15 cm from the walls. Be sure that no ventilation slots are blocked.
- Be careful that no liquids or other objects can enter the unit. If this ever happens, disconnect the main power immediately.
- In the event of serious operating problems, turn off the power immediately. Never try to repair the unit yourself. Repairs carried out by non-qualified personnel can lead to serious damage or malfunction. Please contact your dealer about authorized technical assistance. Always use genuine spare parts.
- Always remember to unplug the unit from the mains power before any service is done.
- When the laser starts up it is normal for output to vary. After several minutes the laser output will stabilize.

IMPORTANT: Install the laser projector in a manner that prevents the audience from looking directly into the beams. The installation should assure that the beam will not strike the audience.

•• DANGER•• VISIBLE LASER RADIATION-AVOID DIRECT EYE EXPOSURE

How To Control The Unit

This fixture is designed to operate as a stand-alone unit. The unit is ready to be plugged in out of the box. There is a power switch, after plugging the unit in a power outlet the laser will immediately begin to cycle through the many built in patterns (provided there is an ample amount of sound to trigger the unit). The unit comes with several built-in patterns that automatically cycle through when the unit is operating. If the unit does not turn on after the unit has been plugged in, be sure the fuse has not blown and the unit is properly plugged in to a matching wall outlet. If problem remains, please contact customer support for further instructions.



1. **DC IN 9V:** This connection supplies main power to the fixture. Use only the power adapter. Be sure the main power matches the required power of your fixture.
2. **POWER SWITCH:** Turn on/off the unit.
3. **Run Mode Switch:** Turn the switch to select the run mode(AUDIO / AUTO / MANUAL).
4. **AUDIO SENSITIVITY:** If the unit is in **AUDIO** mode, adjusts audio sensitivity of the internal microphone. Turning the knob in a clockwise direction will increase the sensitivity to sound.
5. **AUTO:** If the unit is in **AUTO** mode, the unit automatically run by built-in pre-programmed chase.
6. **MANUAL NEXT PATTERN:** If the unit is in **MANUAL** mode, press the button to select the next built-in pattern.

Caution

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

Troubleshooting

- If the unit is not functional – check power switch is 'on' and check fuses.
- If the unit is not moving to the music check the sound-activation adjustment (when applicable)
- If after trying these solutions, you still have a problem. Contact your dealer for technical assistance.

Caution

- Do not obstruct the air vents.
- Do not touch unit while hot.
- No user serviceable parts inside, please refer to the nearest authorized technical assistance office for service.

Power Connections

The unit is supplied with a power plug appropriate to its voltage and destination. Should any other connections be required they must be carried out with the following configuration.

- Earth = Green/Yellow cable
- Neutral = Blue cable
- 3- Live = Brown cable

In the USA & Europe, it is required that all plugs are 3-pin type i.e. with Earth/Ground connection.

In the UK, it is required that all mains plugs are fitted with T5A fuses.

Technical Specifications

	Scarab Red Laser	Scarab Green Laser
Power	DC 9V 800mA	
Laser diode	Red laser diode	Green laser diode
Wavelength	650 nm	532 nm
Dimensions	143 x 160 x 75 mm / 5.63 x 6.3 x 2.95 in	
Weight	0.4 kg / 0.88 lbs (2D) / 0.43 kg / 0.95 lbs (3D)	