

# LR-1510 Scorpion™ R

*USER MANUAL*



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# BEFORE YOU BEGIN

## What is included

- 1 x Scorpion™ R
- Warranty Card
- User Manual
- Power Adapter

## Unpacking Instructions

Immediately upon receiving a fixture, carefully unpack the carton, check the contents to ensure that all parts are present, and have been received in good condition. Notify the shipper immediately and retain packing material for inspection if any parts appear damaged from shipping or the carton itself shows signs of mishandling. Save the carton and all packing materials. In the event that a fixture must be returned to the factory, it is important that the fixture be returned in the original factory box and packing.

## AC Power

To determine the power requirements for a particular fixture, see the label affixed to the back plate of the fixture or refer to the fixture's specifications chart. A fixture's listed current rating is its average current draw under normal conditions. All fixtures must be powered directly off a switched circuit and cannot be run off a rheostat (variable resistor) or dimmer circuit, even if the rheostat or dimmer channel is used solely for a 0% to 100% switch. Before applying power to a fixture, check that the source voltage matches the fixture's requirement.

Check the fixture or device carefully to make sure that if a voltage selection switch exists that it is set to the correct line voltage you will use.

### **Warning!**

***Verify that the power select switch on your unit matches the line voltage applied. All fixtures must be connected to circuits with a suitable Earth Ground.***

Figure 1 - AC Voltage Switch



Not all fixtures have a voltage select switch. Please be sure to connect to the proper voltage.

## Safety Instructions



**Please read these instructions carefully, which includes important information about the installation, usage and maintenance?**

- Please keep this User Guide for future consultation. If you sell the unit to another user, be sure that they also receive this instruction booklet.
- Always make sure that you are connecting to the proper voltage and that the line voltage you are connecting to is not higher than that stated on decal or rear panel of the fixture.
- This product is intended for indoor use only!
- To prevent risk of fire or shock, do not expose fixture to rain or moisture. Make sure there are no flammable materials close to the unit while operating.
- The unit must be installed in a location with adequate ventilation, at least 50cm from adjacent surfaces. Be sure that no ventilation slots are blocked.
- Always disconnect from power source before servicing or replacing lamp or fuse and be sure to replace with same lamp source.
- Secure fixture to fastening device using a safety chain. Never carry the fixture solely by its head. Use its carrying handles.
- Maximum ambient temperature is Ta: 40°. Do not operate fixture at temperatures higher than this.
- In the event of serious operating problem, stop using the unit immediately. Never try to repair the unit by yourself. Repairs carried out by unskilled people can lead to damage or malfunction. Please contact the nearest authorized technical assistance center. Always use the same type spare parts.
- Don't connect the device to a dimmer pack.
- Make sure power cord is never crimped or damaged.
- Never disconnect power cord by pulling or tugging on the cord.
- Avoid direct eye exposure to lamp while it is on.

**Caution!**

***There are no user serviceable parts inside the unit. Do not open the housing or attempt any repairs yourself. In the unlikely event your unit may require service, please contact CHAUVET.***

# INTRODUCTION

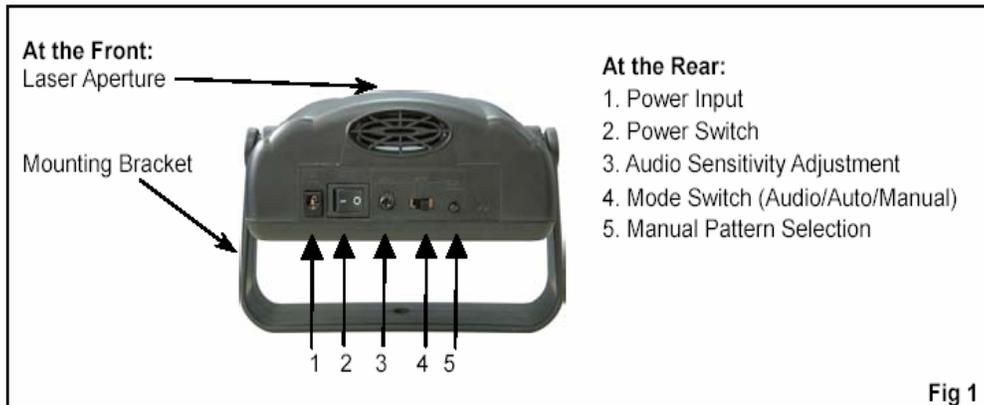
Thank you for purchasing this laser product. You can be assured that you have made an investment into the highest quality laser products available today. This product has been designed by the development team at CHAUVET.

You can be confident that our quality and after sales service is equal to our status of being the global leader in entertainment lighting and laser products.

## Features

- Red laser
- 16 preset patterns
- Sound activated mode
- Auto and Manual modes
- User selectable patterns and speed of rotation in manual mode

## Product Overview



### AC Power Connection:

The unit is supplied with a power pack appropriate to its voltage and destination. It is imperative that the correct power pack suitable for this unit be used at all times. If any other type of supply is provide to this unit then it is likely to render the unit non-operational.

## General Instructions

This lighting effect has been designed to function on a 9V DC power and has been supplied with a suitable AC power pack for use with your local voltage. Check the label on the unit and the power plug for the correct voltage. When connected to the mains power supply via the power pack and switched on the unit should illuminate and shoot a <math><4.95\text{mW}</math> single laser. **Warning: Do not aim towards eye.**

This unit provides three modes of operation accessible via the functions switch (Fig 1). The three modes are as follows: Sound Activation, Auto Mode and Manual. In the sound and automatic modes, the laser will change through sixteen preset patterns. In manual mode, the user can select the pattern and speed of rotation.

# COMPLIANCE STATEMENT

Your **LR-1510** has been designed to comply with FDA and IEC Standards for its classification. A special optic design regulates the output of the projector so that when properly used the output remains at levels government agencies have determined to be appropriate for the products function.

## Laser Safety and Compliance Information

This product is manufactured to comply with the IEC 60825-1 and in accordance with U.S. Food and Drug Administrations (FDA) Standards listed under FDA Document 21 CFR 1040 and subsequent laser notices.

Product Classification and Manufacturing Label Identification

<b>Laser Classification</b>	Class IIIa
<b>Laser Medium</b>	LB05R Semiconductor Diode 650nm
<b>Cooling</b>	Fan Cooled
<b>Output</b>	4.95mW
<b>Beam Divergence</b>	Optically adjusted for compliance

There is only one laser aperture on this product.



**AVOID EXPOSURE**  
Visible and/or Invisible  
LASER RADIATION EMITTED  
FROM THIS APERTURE

**AVOID EXPOSURE**  
Visible and/or Invisible  
LASER RADIATION EMITTED  
FROM THIS APERTURE

**CAUTION: AVOID EXPOSURE TO BEAM:** Avoid direct eye contact with laser light. Never intentionally expose your eyes or others to direct laser radiation.

**DANGER** – Visible and invisible Laser radiation when open. Avoid Direct Eye or Skin Exposure

**Non-Interlocked Housing Warning Labels.** This unit contains an embedded laser device that exceeds the output of the intended class internally. Exposure to unsafe levels of laser radiation when opened.

**WARRANTY VOID**  
If seal is broken or has been tampered with

**Additionally there are no user serviceable parts inside.** Tampering or removing warranty seals will void your products limited warranty.

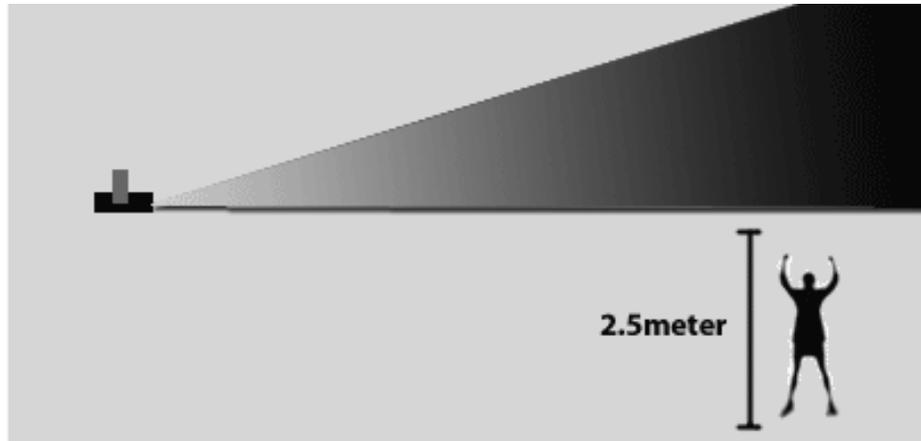
<b>DANGER</b>	CHAUVET Lighting 3000 N. 29th Court Hollywood, FL 33020 1-954.929.1115
VISIBLE OR INVISIBLE LASER RADIATION AVOID EYE OR SKIN EXPOSURE TO DIRECT OR SCATTERED RADIATION  LASER OUTPUT: <5mW WAVELENGTH: 650nm Laser Diode CLASS IIIa LASER PRODUCT	
Complies with 21CFR 1040.10 and 1540.11 and Laser Notice 50	
<b>Chauvet Lighting-Product Information</b>	
MODEL	<input type="text"/>
Date of Manufacturing	<input type="text"/>
Serial Number	<input type="text"/>

## Proper Usage

This unit has been designed to be hung. It is recommended that, for safety purposes, your lighting effect are properly mounted using a suitable hanging clamp and safety cable. **CHAUVET** offers a range of items, which are ideal for safe mounting.

It is the responsibility of the manufacturer to provide useful instruction on the proper use of this product.

According to FDA Regulations you should operate the product in the fashion illustrated below.



**CAUTION: Use of controls, adjustments, or performance of procedures other than what is specified herein may result in hazardous radiation exposure**

## APPENDIX

### General Maintenance

To maintain optimum performance and minimize wear fixtures should be cleaned frequently. Usage and environment are contributing factors in determining frequency. As a general rule, fixtures should be cleaned at least twice a month. Dust build up reduces light output performance and can cause overheating. This can lead to reduced lamp life and increased mechanical wear. Be sure to power off fixture before conducting maintenance.

Unplug fixture from power. Use a vacuum or air compressor and a soft brush to remove dust collected on external vents and internal components. Clean all glass when the fixture is cold with a mild solution of glass cleaner or Isopropyl Alcohol and a soft lint free cotton cloth or lens tissue. Apply solution to the cloth or tissue and drag dirt and grime to the outside of the lens. Gently polish optical surfaces until they are free of haze and lint.

The cleaning of internal and external optical lenses and/or mirrors must be carried out periodically to optimize light output. Cleaning frequency depends on the environment in which the fixture operates: damp, smoky or particularly dirty surrounding can cause greater accumulation of dirt on the unit's optics. Clean with soft cloth using normal glass cleaning fluid. - Always dry the parts carefully. - Clean the external optics at least every 20 days. Clean the internal optics at least every 30/60 days.

## Returns Procedure

Returned merchandise must be sent prepaid and in the original packing, call tags will not be issued. Package must be clearly labeled with a Return Merchandise Authorization Number (RA #). Products returned without an RA # will be refused. Call CHAUVET and request RA # prior to shipping the fixture. Be prepared to provide the model number, serial number and a brief description of the cause for the return. Be sure to properly pack fixture, any shipping damage resulting from inadequate packaging is the customer's responsibility. CHAUVET reserves the right to use its own discretion to repair or replace product(s). As a suggestion, proper UPS packing or double-boxing is always a safe method to use.

## Claims

Damage incurred in shipping is the responsibility of the shipper; therefore the damage must be reported to the carrier upon receipt of merchandise. It is the customer's responsibility to notify and submit claims with the shipper in the event that a fixture is damaged due to shipping. Any other claim for items such as missing component/part, damage not related to shipping, and concealed damage, must be made within seven (7) days of receiving merchandise.

## Technical Specifications

### WEIGHT & DIMENSIONS

Length.....	143 mm (5.63 in)
Width .....	188 mm (7.4 in)
Height .....	131 mm (5.16 in)
Weight .....	0.4 Kg (0.88 lbs)

### POWER

Power adapter .....	DC 9V 800mA
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### LASER

Diode (LR-1510).....	1 x 4.8 ~ 5 mW red laser
Wavelength.....	650 nm
Part No .....	4.9mW Red

### THERMAL

Maximum ambient temperature.....	40°C (104° F)
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### ORDERING INFORMATION

Scorpion R.....	LR-1510
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