



# LAZER SCAN

**LGG-3100X**

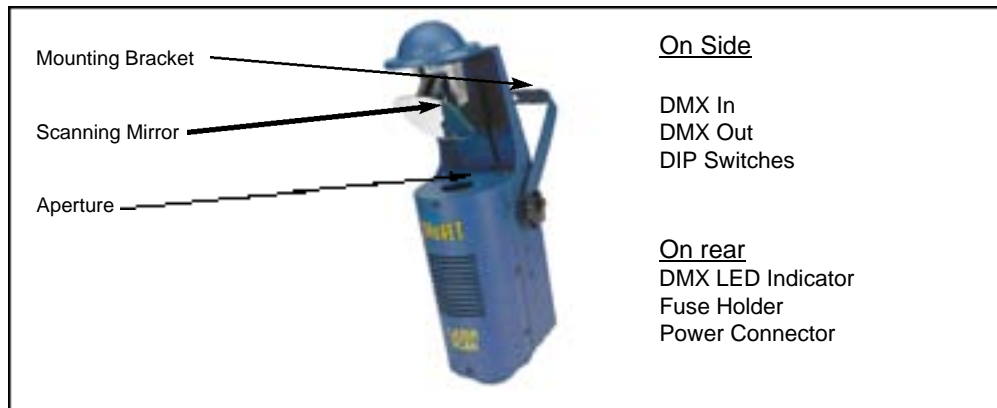


## **User Guide**

*Please read these instructions carefully before use*

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## **Introduction**

Congratulations on the purchase of your new CHAUVET 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.

## **Setting Up**

This lighting effect has been designed to function on a mains power supply of 120V~60Hz and has been fitted with a suitable power plug.

When connected to the mains power supply the unit should illuminate and shoot a single 4.9mW green laser beam. The unit will also begin to run through its pre-programmed sound activated patterns.

Do not switch the fixture on and off in short intervals as this will cause damage to the laser.

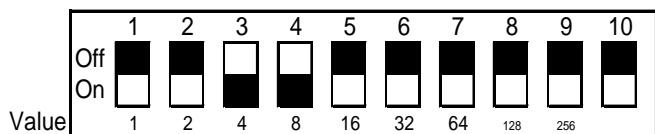
Do not shake the fixture.

Due to the high operating temperature of the laser it is advisable that the effect be used in well ventilated areas taking care not to obstruct the air vents. After use allow time to 'cool' for safety and to ensure longevity before moving or touching.

The Lazer Scan (LGG3100X) is a DMX fixture that can be operated with Chauvet's DMX-6 controller, DMX-40, DMX controller, ShowXpress or any other universal DMX controller. The LGG3100X will also work in stand alone mode, either automatic or sound activated. To operate in DMX mode, you must link the units together using a premium quality 3-pin DMX cable in the following configuration. 'Out' from the first unit to 'In' on the second, 'Out' from the second to 'In' on the third and so on.

The Lazer Scan (LGG3100X) is a three channel DMX fixture. In order to activate the DMX mode, DIP switch # 10 must be in the OFF position. Please consult the controller manual to determine the proper address for the Lazer Scan (LGG3100X).

Example: To set the address at 12



1. Set SW 10 to OFF.
2. Count the value of the switches in the on position. and SW 4 equals 8.
3. Set SW 3 and SW 4 to the ON position. (4 + 8 = 12)

## DMX Signal Levels

### DMX SIGNAL LEVELS

CHANNEL1 PAN	CHANNEL2 TILT	CHANNEL3-LASER PATTERN CONTROL	CHANNEL4
		250-255 SOUND ACTIVATED	250-255 LASER OFF
		240-249 PATTERN-24	80
		230-239 PATTERN-23	
		220-229 PATTERN-22	
		210-219 PATTERN-21	
		200-209 PATTERN-20	
		190-199 PATTERN-19	
		180-189 PATTERN-18	
		170-179 PATTERN-17	
		160-169 PATTERN-16	
		150-159 PATTERN-15	
		140-149 PATTERN-14	80
		130-139 PATTERN-13	
		120-129 PATTERN-12	
		110-119 PATTERN-11	
		100-109 PATTERN-10	
		90-99 PATTERN-9	
		80-89 PATTERN-8	
		70-79 PATTERN-7	
		60-69 PATTERN-6	
		50-59 PATTERN-5	
		40-49 PATTERN-4	6
		30-39 PATTERN-3	
		20-29 PATTERN-2	
		10-19 PATTERN-1	
		0-9 STATIC LASER	0-5 LASER OFF

When both Channel 1 and Channel 2 and 3 are set at 255, the LGG3100X will function in stand alone beat activation mode.

## **Function Selection**

The LGG3100X will operate in stand alone as well as DMX mode. In stand alone mode, the user has the option of beat activation or automatic. To access these functions, the DIP switches are utilized as per the chart below.

### **DIP SWITCHES CHART**

										FUNCTION
1	2	3	4	5	6	7	8	9	10	
OFF	OFF	OFF	OFF	OFF	OFF	OFF	ON:DASHED	OFF	ON	AUTO MODE
OFF	SELECT PATTERN				SELECT MIRROR POSITION		OFF:SOLID	ON	ON	MANUAL MODE
OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	DMX SLAVE MODE
OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	ON	SOUND MODE

## **Installation / Mounting**

Although this unit can be used in an upright position, it is recommended that, for safety purposes, your lighting effect be properly mounted using a suitable hanging clamp and safety cable. CHAUVET offers a range of items, which are ideal for safe mounting.

Use in a well-ventilated area without obstruction to air vents.

Unit should be mounted in such a manner that the emitted beam will not strike people.

## **Replacing Fuses**

If the unit does not function at all when connected to the main power supply i.e. the mechanism does not spin. Then it is highly likely that the fuse has blown.

*Disconnect from main power supply before attempting to replace either lamps or fuse.*

In order to replace the fuse, disconnect from the main power supply first, and then unscrew the fuseholder cover to reveal the fuse. The unit has a label attached which indicates the correct fuse rating and you will also find this listed as part of the specifications for the unit later in this guide. It is most important that replacement fuses are of the correct rating. Failure to use the correct fuse could damage the lighting effect beyond economic repair.

The fuse should simply be placed inside the holder and the screw cap replaced, when this is done connect to the main power supply to check. If the unit is still not working then please contact your dealer or CHAUVET for servicing.

## **Cleaning**

The most important part of your lighting effect to keep clean are the mirrors as they allow the light output to transmit. They should be cleaned with a soft damp cloth. There is also a single mirror located under the center cap that should also be cleaned. The body of the unit may also be cleaned in the same way. We recommend internal cleaning be carried out by a fully qualified technician.

## **Maintenance & Servicing**

Work on internal parts should be carried out by a qualified technician. Removal of covers other than the front to replace lamp or effect dish, or the fuseholder is considered a breach of warranty and will not be covered under any such agreement unless authorized first by the company.

## **Troubleshooting**

- If the unit is not functional – check main power supply is 'on' and check fuses.
- If the unit is not moving to the music check the sound-activation adjustment (when applicable)
- If after trying this solution you still have a problem contact your dealer or CHAUVET.

## **Contact Chauvet**

### **USA**

Technical Assistance: 1-800-762-1084 (954) 929-1115

E-Mail [tech@chauvetlighting.com](mailto:tech@chauvetlighting.com)

## **Caution**

Do not obstruct the air vents.

Do not touch unit while hot.

No user serviceable parts inside, please refer to CHAUVET for service.

Unit should be mounted in such a manner that the emitted beam will not strike people.

## **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

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 5A fuses.

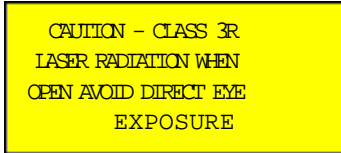
## **Technical Specifications**

Power	120V, 60Hz AC	240V, 50Hz Ac
Fuse	20mm Glass 1A Fast Blow	20mm Glass 1A Fast Blow
Diode	1 x 4.9mW Green Laser Part No. 4.9mW Green	1 x 4.9mW Green Laser Part No. 4.9mW Green
Dimensions	457 x 101.6 x 101.6mm / 18 x 4 x 4in	457 x 101.6 x 101.6mm / 18 x 4 x 4in
Weight	5 kg / 12.75 lbs	5 kg / 12.75 lbs

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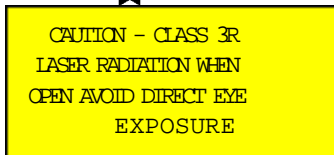
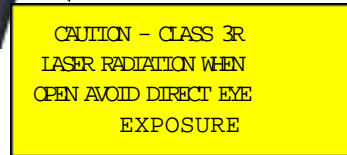
Manufactured: January, 2002

Complies with FDA performance standards for laser products with the exception of deviation pursuant to Laser Notice No. 50, dated July 26, 2001



Dip Switches must be set or unit will not work.

Push button ON/OFF switch



**Caution- use of controls or adjustments or performance of procedures other than as specified herein may result in hazardous radiation exposure.**

Warning: Do not look directly into the Laser!  
(Prolonged exposure to single static laser beam can cause retinal damage)