

CHAOS 1

Features of the Chaos 1

- 100W Halogen lamp.
- 20 beams in 15 dichroic colours.
- 18 gobos.
- Sound animated movement
- Beams move to sound or continuously.
- Colours change to sound or continuously.

Designed to give the appearance of an intelligent "Datamoon type" effect, this clever Auto Moon can produce 20 dichroic beams of razor sharp light through an amazing 16 colours and 18 gobos. By simply plugging the CHAOS 1 into the mains this unit will fill the air with a constantly changing carousel of lights. With two selection switches allowing the user to choose either constantly moving beams or "sound activated" and constantly changing colour/gobos or "sound activated". The CHAOS 1 is a simple but impressively effective way of filling a venue with, sound activated shapes and colours at a fraction of the price of its intelligent counterparts, and an ideal solution for mobile or hire applications.

IMPORTANT

Installer and Users please note:

These instructions should be read carefully and left with the user of the product for future reference.

Installation

Fix the Chaos 1 with the hanging bracket provided. To conform to Health & Safety Regulations, a safety chain must also be employed.

The Chaos 1 must be installed by a competent electrician in accordance with the current IEE wiring regulations.

Connect the Chaos 1 to the mains supply with the lead provided. The wires are colour-coded as follows:

- Brown = Live (phase)
- Blue = Neutral
- Green/Yellow = Earth
- The Chaos 1 must be earthed for safe and reliable operation.

The supply must be fitted with an isolating switch, or plug and socket, and protected by fuse or circuit breaker rated at between 6A and 16A. If the Chaos 1 circuit is connected via an MCB then it is recommended that a time-delay MCB is used (Type 3 or Type C to BS3871). This will reduce the possibility of "nuisance tripping" due to the large inrush current of the halogen lamp.

Adjust the angle of the hanging bracket to obtain the best effect and tighten the handle fixing screws. The Chaos 1 may be moved whilst it is operating provided that it is done carefully, the lamp is most vulnerable to failure immediately after switching off. It is recommended that the Chaos 1 is

allowed to cool for 5 minutes after switching off before moving.



This symbol means that in order to reduce the risk of fire, the Chaos 1 should be installed more than 0.8 metres from any object that it is illuminating.

Lighting controllers.

The Chaos 1 is best operated from a switching panel such as the Euro 8s, Logic S12 or the Logic 4004s. It can also be controlled by a switching pack such as the SP10000. If connecting to a dimming pack, then the dimming pack should only be operated either fully on or fully off. The mains supply to the Chaos 1 must not be dimmed. The Chaos 1 should not be connected to the output of a light-chaser operating at a high speed (more than 1 flash every 2 seconds), as this may damage the transformer

Changing the lamp.

Disconnect from the mains supply. Loosen the fixing screw on the lamp cover in the front panel, and rotate the lamp cover to gain access to the lamp. Replace with a new lamp, type A1/231 (EFP). Do not touch the bulb, hold it only by the front edge of the reflector. If the bulb is touched, the glass should be cleaned before use using methylated spirit.

Replacing the fuse.

Occasionally, when the lamp fails, the fuse may blow. The fuse is located on the rear panel of the unit. If this occurs, disconnect from the mains supply and replace the fuse with a new fuse type 20mm x 5mm 1Amp Anti-surge, High breaking capacity. This type of fuse has a ceramic case. Do not replace with any other type or value of fuse. If the new fuse blows, consult a dealer.

Focusing.

If the beams need to be re-focussed, then slacken the lamp bracket using the screws in the underneath of the case. Move the bracket forwards or backwards as required, and re-tighten the screws when the best image is obtained.

Cleaning.

The Chaos 1 should be cleaned periodically as the colours become less intense as smoke fluid residues build up on the reflector. Disconnect from the mains supply, remove the lid fixing screws and remove the lid, clean the lens and the dichroic reflector dish using a soft lint-free cloth and methylated spirit, isopropyl alcohol or hi-fi cleaning fluid.

Sound/Continuous switches.

The switches on the rear panel should be set as follows:

Beams switch: Sets whether the pattern of beams moves continuously or moves to sound

Colours switch: Sets whether the colours change to sound or change continuously

In: Move to the bass beat of the music

Out: Move continuously.

Safety Standards

The Chaos 1 2 complies with:

- EN60598 (European Safety Standard for Luminaires) parts 1, 2.6 and 2.17
- EN55015 (Electromagnetic Compatibility Standard)

Technical Specification.

Power Supply: 230V AC 50Hz 0.4A

Power consumption: 105VA

Power factor (cos ϕ): 0.95 (inductive load)

Mains input: Cable to BS6500

Internal Fuse: T1A HBC 5mm x 20mm to IEC127

(HBC means High Breaking Capacity, a HBC fuse has a ceramic case)

Lamp: A1/231 (EFP) 12V 100W

Beam intensity: 15,000 candela

Lamp life: 100 hours nominal @ 230V AC

Note: Although Britain has had a 230V supply since January 1995, the voltage is usually nearer 240V

Lamp Life: 60 hours nominal @ 240V AC

Beam diameter: 0.03m wide @ 1m

Beam angle: 1.8°

This is the diameter of each individual beam
(circular gobo selected)

Pattern diameter: 0.45m @ 1m

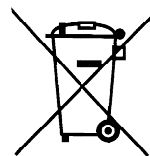
Pattern Angle: 26°

This is the overall diameter of all 20 beams

Colours: 15 dichroic plus white

Gobos: 18

This symbol indicates that this product should not be disposed of along with unsorted municipal waste. There is a separate collection system for waste electrical and electronic equipment within the European Union: please contact your local authority for details. Correct disposal ensures that waste electrical and electronic equipment is recycled and reused appropriately. It helps to reduce damage to the environment and preserve natural resources.



Fault Finding

- **No light output**

No mains supply

Lamp failed

Fuse failed

- **No movement to sound**

Sound not loud enough - the Chaos 1 is designed to operate best at disco sound levels. If operating in a quieter environment, move the Chaos 1 closer to a loudspeaker.

- **Gobos do not line up - half gobos are occasionally displayed.**

The Chaos 1 is not designed to centralize the gobo - split patterns will occur from time to time.

- **Short lamp life**

The A1/231 lamp has a nominal life of 60 hours in the Chaos 1. A shorter life could be caused by high mains voltage, lack of cooling, or the use of poor quality lamps.

- **Poor light output**

Dirty optics - clean the dish and lens regularly.

Lamp misaligned in lampholder

Wrong type of lamp

Guarantee

This product is guaranteed for a period of 12 months against faulty components or manufacture from the date of purchase. Upon proof of purchase, NJD shall, at its own option, repair or replace the defective item at no cost to the purchaser.

This guarantee is contingent upon the proper use of the product in the application for which it is intended and does not cover products that have been modified, subjected to unusual physical conditions, or electrical conditions outside its specification, or damaged in any way.

This guarantee is limited to the product only and does not cover carriage costs, installation costs or travel expenses. Your statutory rights are not affected.

In the event of any problems with this product contact the retailer from which it was purchased for technical assistance, or e-mail technical@njd.co.uk

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