

# CHAOS 2000

## **Features of the Chaos 2000**

- 100W Halogen lamp.
- 20 beams in 28 dichroic colours.
- 18 gobos.
- Sound animated movement
- Beams move to sound or continuously.
- Colours change to sound or continuously.

**Building on the success of the multi-award-winning CHAOS this NEW version offers even more dichroic colours (28 in all) couple with multicoloured kaleidoscopic beam projection. The CHAOS 2000 will product 20 multicoloured beams changing to a completely different set of multicolours on each beat of the music. At the same time, the internal microphone will activate the beams turning them clockwise and anticlockwise at random in time with the music. In addition to this amazing effect CHAOS 2000 projects its multicoloured beams through no less than 18 different gobos, which automatically change at random with the colours.**

**Featuring two control selection switches, which provide the choice of Continuous or sound activated colour/gobo change, and continuous or sound activated beam movement, the Chaos 2000 is without doubt one of the most stunning lighting effects produced to date.**

### **Installation.**

Fix the Chaos 2000 with the hanging bracket provided. To comply with Health and Safety Legislation a safety chain should be employed. An independent fixing point for the safety chain is provided at the rear of the base.

The Chaos 2000 may also be used free-standing with its handle used as a base. If this is required, remove the handle, and replace the other way round so that it rotates below the product instead of above.

Connect the Chaos 2000 to the mains supply with the built in mains lead, Connect the wires as follows:

- **Brown = live**
- **Blue = neutral**
- **Green/yellow = earth**
- **The Chaos 2000 must be earthed**

When connecting via a switching or power pack, the outputs should be de-rated by 50% from its "resistive load" capacity to allow for the large inrush current of the halogen lamp. The Chaos 2000 should not be connected to a dimming pack or light dimmer. The Chaos 2000 is an inductive load.

Adjust the angle of the hanging bracket to obtain the best effect and tighten the handle fixing screws. The Chaos 2000 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 2000 is allowed to cool for 5 minutes after switching off before moving.

The Chaos 2000 should be installed more than 0.4 metres from any object that it is illuminating.

### **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.

Longer lamp life can be obtained at the expense of light output by fitting a type A1/232 (EFR) lamp.

### **Replacing the fuse.**

Occasionally, when the lamp fails, the fuse may blow. The fuse is located on the circuit board inside the unit. If this occurs, disconnect from the mains supply and remove the lid, replace the fuse with a new fuse type 20mm x 5mm 1 Amp 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 2000 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.

### Technical Specification.

Power Supply:	230V AC 50Hz
Power consumption:	105VA
Power factor (cos $\phi$ ):	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
Lamp life:	175 hours (+110% -65%) @ 230V AC (+10% -6%)

*Note: Although Britain has a nominal 230V AC supply, the voltage is nearer 240V AC which gives a lamp life of 100 hours.*

*+10% -6% is the maximum permissible variation to the supply voltage.*

Light output:	27000 candela
Colours:	27 dichroic plus white
Gobos:	18
Beams:	20
Beam spread:	26° (0.45m wide @ 1m)
Beam size: 1.8°	(0.03m wide @ 1m)

### Safety Standards

The Chaos 2000 complies with EN60598 (European Safety Standard for Luminaires) and EN55015 (Electromagnetic Compatibility Standard)

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