

Optikinetics Ltd.

38 Cromwell Road  
Luton LU3 1DN England

Phone +44 (0)1582 411413

Fax +44 (0)1582 400613

e-mail optiuk@optikinetics.com

Website www.optikinetics.com

**[OPTI]**<sup>TM</sup> Solar 250

## OPERATING INSTRUCTIONS

**POWER RATING 350W MAX**

### OPERATING VOLTAGES

**220-240V~ 50-60Hz or 110-120V~ 50-60Hz**

Before use check the voltage selector switch is set to the same voltage as your local mains supply. If incorrect, move to the correct voltage position.

**FUSES (20mm x 5mmØ)**

**Mains: T2A/250V @ 220-240V~ 50-60Hz**

**Mains: T4A/250V @ 110-120V~ 50-60Hz**

**12V~ : T4A/250V**

### MAINS CONNECTION

The projector comes with a 2 metre, 3 core IEC lead with 5A fused UK mains plug. If another plug is required it should be connected as follows:

**BROWN = LIVE; BLUE = NEUTRAL;  
GREEN/YELLOW = EARTH.**

### OPERATION

This Effects Projector is designed exclusively for use with the OPTI Solar Range of Effects Accessories and OPTI Effects. Ask your dealer for a demonstration.

#### Before switching on the Effects Projector:

1. Select the Effect and appropriate Effect Accessory.
2. Fit the Effect onto the Effect Accessory as described in the Effect Accessory Instructions.
3. Place the Effect and Accessory into the gate of the Projector.  
Image altering effects like Distortion Wheels can be fitted into the front gate runners. The main effect should be fitted into the rear gate runners for maximum life and object illumination.
4. Once the Effects and Effects Accessories are in place (if powered), fit plug into one of the 12V~ sockets on the side of the Effects Projector.
5. When plugged in turn the Effects Projector on by the ON 'I' / OFF 'O' switch on the back panel.
6. Adjust the angle and position of the Effects Projector using the knobs which connect the bracket to the unit.
7. Focus your effect by twisting the lens in and out until desired focus is achieved.

### IMPORTANT NOTES

**AN EFFECT MUST ALWAYS BE IN THE GATE OF THE PROJECTOR WHEN IN USE.**

Failure to ensure this will cause the plastic parts in the lens assembly to melt.

**THE PROJECTOR MUST ONLY BE USED WITHIN 90° OF HORIZONTAL.**

**DO NOT TOUCH THE LAMP WITH BARE HANDS AND NEVER TOUCH HOT LAMP**

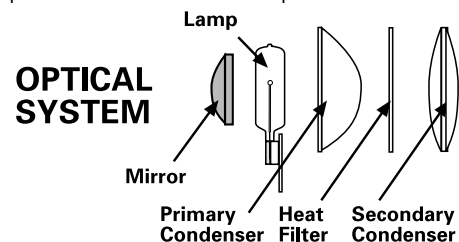
Wear gloves or use a soft cloth or tissue.

**DO NOT ATTEMPT TO SERVICE THE PROJECTOR UNLESS YOU ARE QUALIFIED AND WORKING UNDER THE DIRECTION OF THE MANUFACTURER OR THEIR AGENT.**

### LAMP CHANGING

Switch off the Effects Projector, disconnect from the mains and allow to cool for 20 minutes, then:

1. Remove cover plate screw and remove cover plate.
2. Remove the old lamp without touching with bare hands.
3. Replace with new 250W/24V M33 or Iwasaki Eye lamp. (Taking care not to touch with bare hands).
4. Replace and secure cover plate.



### CLEANING

After 3 months (or 500 hours) use, or when changing the lamp, the optical system may need cleaning.

Switch off the Effects Projector, disconnect from the mains and allow to cool for 20 minutes, then:

1. Remove cover plate screw and remove cover plate.
2. Use a soft tissue or lens cloth with a little methylated spirit or pure alcohol to clean lenses.
3. To clean the mirror, first remove the lamp as detailed in previous section, then wipe with a soft tissue as above.

Optikinetics Ltd.

38 Cromwell Road  
Luton LU3 1DN England

Phone +44 (0)1582 411413

Fax +44 (0)1582 400613

e-mail [optiuk@optikinetics.com](mailto:optiuk@optikinetics.com)

Website [www.optikinetics.com](http://www.optikinetics.com)



## IMPORTANT SAFETY INSTRUCTIONS

---

When using your photographic equipment basic safety precautions should be followed, including the following:

1. Read and understand all instructions before using the equipment.
2. Close supervision is necessary when any appliance is used by, or near, children. Do not leave appliance unattended while in use.
3. Care must be taken, as burns can occur from touching hot parts.
4. The appliance switch is provided with the symbol 'O' indicating 'OFF' and 'I' indicating 'ON'.
5. Do not operate appliance with a damaged cord, or if the appliance has been dropped, or damaged, until it has been examined by a qualified service person.
6. Position the cord so that it will not be tripped over, pulled, or come into contact with hot surfaces.
7. If an extension cord is necessary, a cord with a current rating at least equal to that of the appliance should be used. Cords rated for less amperage than the appliance may overheat.
8. Always unplug appliance from electrical outlet before cleaning and servicing and when not in use. Never yank cord to pull plug from outlet. Grasp plug and pull to disconnect.
9. Let appliance cool completely before packing. Loop cord loosely around appliance when storing.
10. To reduce risk of electric shock, do not immerse product in water or other liquids.
11. To reduce the risk of electric shock, do not dismantle this appliance, but take it to a qualified repairer when servicing is required. Incorrect reassembly can cause electric shock when the product is used subsequently.
12. The use of an accessory attachment not recommended by the manufacturer may cause a risk of fire, electric shock, or injury to persons.
13. Connect this appliance to a grounded outlet.
14. Disconnect this unit from its source of supply before replacing the projection lamp.
15. A safety chain or cable must be fitted to the projector and secured to an immovable object at all times. The securing point must be able to withstand the shock weight of the projector should it fall.
16. The axis across the width of the projector should remain horizontal if possible. Tilting the projector along this axis may reduce lamp life.
17. During focussing of the projected image beware of rotating the projection lens too far anti-clockwise, as this may cause the lens to become separated from the projector, and perhaps dropped and broken which may cause injury.
18. DO NOT attempt lamp replacement while the unit is still hot as there is a risk of burns from the lamp.
19. The procedures described in the Maintenance section must be carried out by qualified service personnel who should work under the authority of the manufacturers recognised agent.
20. After any maintenance or cleaning all parts must be absolutely dry before refitting to the projector.
21. When replacing the cover of the projector always ensure that the wiring to the lamp and 12V~ sockets is correctly engaged within the slots in the cover and not trapped.

## SAVE THESE INSTRUCTIONS