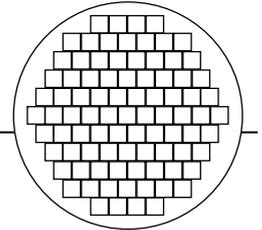
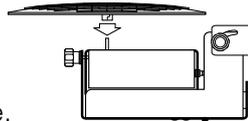


GS Multi-Mirror Operating Instructions



The OPTI Multi-Mirror has small mirrors, laid out in a pattern on a convex rotating disc to create multiple animated imagery. Perfect for use with OPTI Abstract Wheels, especially snow, the OPTI Multi Mirror also fragments and animates other effects with spectacular results.

The mirror disc is packed separately from the main body. Unpack both items and firmly push the central boss on the mirror disc over the 'D' section drive shaft on the carriage.



The Multi-Mirror is now assembled and ready to fit onto the Mirror Bracket (supplied) fitted onto the projector.

Caution: Take care to ensure that the load is evenly distributed while attaching the mirror disc. Avoid twisting or distorting, as the individual mirrors may become detached. Should this happen, reattach using silicone adhesive.

IMPORTANT LENS INFORMATION

Only use 85mm to 150mm lenses. The wide angle 45mm and 60mm lenses are not suitable.

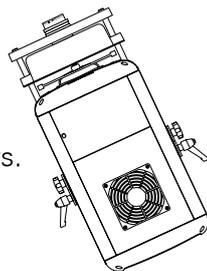
POSITION THE PROJECTOR

Before fitting the mirror place or mount the projector in a position and at an angle from where the imagery can be projected onto the desired surface. Then, fit the required Effect in the gate.

Adjusting the Vertical angle of the Projector

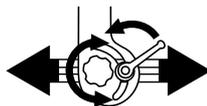
There are two types of adjustment both achieved by loosening the central/pivot knobs and locking levers.

1. Rotated on it's axis (to adjust Vertical angle).
2. Moved along the body of the projector (to adjust balance).



PROJECTION SURFACE

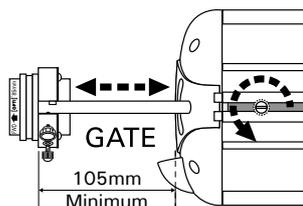
Both adjustments may be necessary when moving the Hanging Bracket around the Projector from above to below or vice versa.



Before Fitting an Effect

Ensure that the rails protrude at least 105mm from the body of the Projector.

Avoid rails protruding too far forward. They can obstruct the projected light.

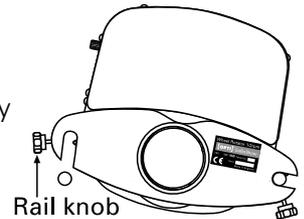


1. Loosen the Rail Adjustment Screws on the side of the Projector.
2. Slide both Rails in or out to desired position.
3. Tighten the Rail Screws*.

Fitting an Effect

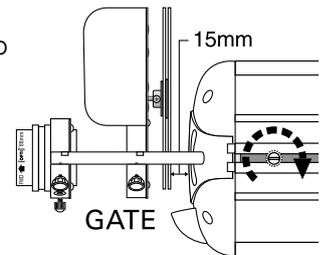
1. Fit the Effect(s) onto the Effect Accessory.

This is usually a 'push-on' but, in the case of 575 Safe Wheels, may require a cross head screwdriver (see Effect Accessory instructions for details).



2. Loosen the Rail knobs on the Effect Accessory until the screw ends are flush or recessed.

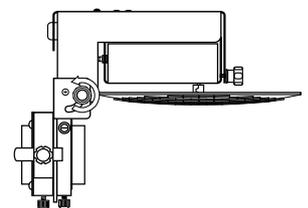
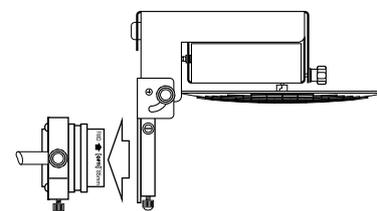
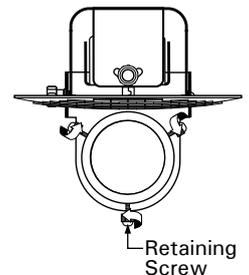
3. Fit the Effect Accessory onto the 12V~ Projector rails, between the body of the Projector and the Lens Housing, with the effect 15mm from the body of the Projector.



FIT THE MIRROR ONTO LENS HOUSING¹.

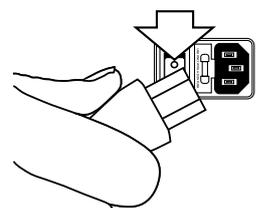
Loosen the 3 retaining screws around the mounting collar of the Mirror until the ends of the screws, inside the ring, are flush or recessed.

2. Gently push the Mirror mounting collar over the ring on the Lens Housing until flush.



3. Turn the projector on (with the effect to be projected, on the appropriate Effect Accessory, in the gate).

To turn on, plug the IEC lead into the socket on the back of the projector and 'switch' on.



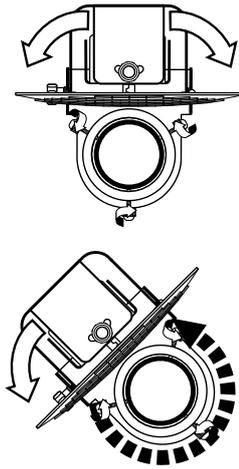
The imagery will now project and, if the mirror is already set at an angle, will be deflected by the static mirrors.

* Take care not to overtighten the Rail Adjustment Screws as this may damage them.

MIRROR ADJUSTMENTS

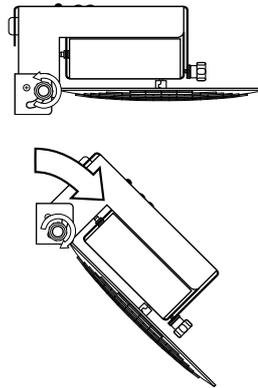
Adjust the position of the Multi-Mirror around the Projector Lens

1. Loosen the 3 screws around the perimeter of the Mounting Collar.
2. Rotate the Multi-Mirror body through 360° to get the imagery in approximately the desired location.
3. Tighten the 3 screws on the collar. Do not fully tighten these, as further adjustment may be required.



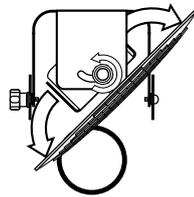
Adjust the Main Angle of the Multi-Mirror

1. Loosen the knob on the side of the Mirror Body where it connects to the Mounting Collar.
2. Tilt the Multi-Mirror body to the desired position.
3. Tighten the knob. Do not fully tighten as further adjustment may be required.



Adjust the Carriage of the Multi-Mirror

1. Loosen the knob on the end of the Mirror Body where it connects to the Carriage.
2. Tilt the Multi-Mirror Carriage to the desired position.
3. Tighten the knob. Do not fully tighten as further adjustment may be required.



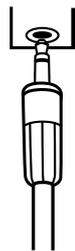
PLUGGING IN THE MIRROR

1. Plug the Mirror Lead into the jack plug socket on the underside of the Lens Holder.

Ensure the lead does not interfere with the effect or pass through the gate of the projector.

The motorised Mirror will now start to move the image.

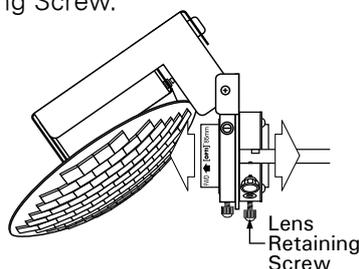
3. If necessary adjust and re-adjust the Mirror and Projector to achieve desired movement and position.



FOCUS THE LENS

To focus or re-focus the imagery being projected:

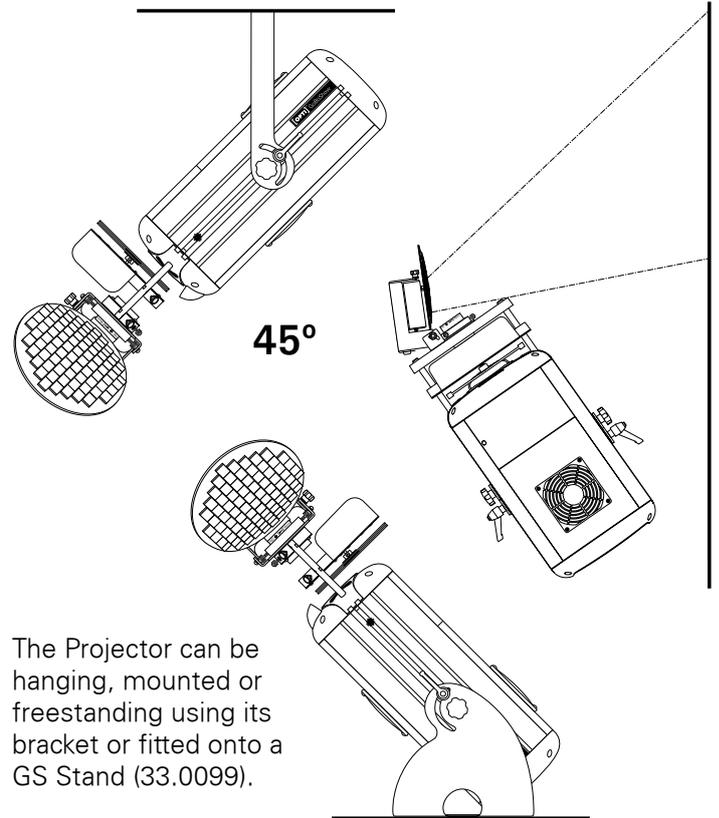
1. Loosen the Lens Retaining Screw.
2. Slide Lens in or out to achieve desired focus making sure that the lens does not rub against the mirror disc*.
3. Tighten Lens Retaining Screw



FALLING OR RISING IMAGERY

Adjust the angles of the Projector

If a "falling" or "rising" image is required, the projector will need to be set at angles in both the horizontal and vertical planes. For best results 45° is recommended.

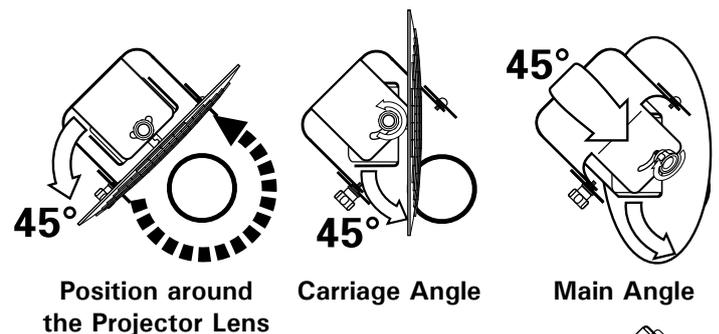


The Projector can be hanging, mounted or freestanding using its bracket or fitted onto a GS Stand (33.0099).

If a random image direction is required, the angle of the projector is less important.

Adjust the angles of the Multi-Mirror

Once again, for best results, it is recommended that each angle of the Multi-Mirror is adjusted to 45°.



Fine-Tune Set-up

If required, fine tune the set-up using a combination of tilting and rotating the Projector and Multi-Mirror until the desired motion is achieved.

Once the projected imagery is in the desired location and moving in the correct direction, tighten all screws, knobs (or lever) and securing bolt. It is advisable to securely fix the projector whether suspended or shelf mounted.

If projected image requires any further focus improvement, adjust focussing lens.

* If desired focus cannot be achieved without the lens rubbing re-adjust the rails on the projector.