

INSTALLING A 465 PROJECTOR BOX

The projectors must only be installed by a **qualified electrician**.

Before Installation.

Ensure the power is switched OFF.

Ensure site is clean, and will stay that way. For adequate cooling the projector should sit on a clear smooth base, i.e. not directly on grass, soil or similar. If in any doubt, place a sheet of (non corrosive) metal underneath or stone slab.

Check site voltage is a nominal 230v – 250v.

Ensure adequate ventilation, 221 m³ per hour is required. Failure to observe this will cause overheat conditions. Consult our technical department if in doubt.



Projector Box orientation

There are 2 permissible orientations for the projector box to be installed. These are on the floor, or on the wall with the port to the right. In both orientations the lamp must always be pointing on a horizontal axis, with the red dots on the lamp facing towards the ground. If the lamp is not positioned in this way it would almost certainly result in shorter lamp life or burn out.

Connection.

Run the mains cable through the weatherproof gland at the rear. Connect the mains to the projector terminal block as appropriate, and check the ballast tapping corresponds to the mains voltage used.

Ensure that the gland nut is fully tightened around the mains cable. If the second gland is not used for through wiring, attach a small length of mains cable and fully tighten the nut. This is essential to maintain water resistance.

Assembly.

Having connected the mains (check that the inlet and outlet filters are properly in place i.e. no gaps around the edges), to refit the lid, lower it with the folded 'V' edge down first, over the angled flap of the projector. Pull backwards so that the two angles are on top of one another, then lower onto the 4 fixing screws at the side. Before tightening these, attach the port assembly (see other side for instructions). Ensure that the port is fully home. After tightening the port fixing nuts, tighten the lid screws.

Colour wheel operation

If a colour wheel is fitted it will be prewired, and will turn at 3 rpm. To disconnect the motor, disconnect one of the 24v supply wires and park in the adjacent *SPARE* connection, as labelled. This method can also be used to facilitate remote switching of the motor.

Synchronisation

Some projectors are specially prepared with colour synchronisation. The electronics have been precisely aligned in our factory, and great care should be taken not to disturb the settings.

To wire up the projectors. Join all the white cables to each other, and then join all the blacks to each other.

To stop the colour in any position, connect the orange via a switch to a black.

To stop at white, connect the white to the black via a switch

- **Special** note if the projectors are accidentally turned **on** and **off** too quickly the synchronisation units may not go into step. **Remedy** turn all projectors **off** for **30** seconds, then switch back on.

Maintenance

Inlet filter - The inlet filter should be changed every time the lamp is changed, or at 12 monthly intervals, whichever is sooner. To do this, firstly remove the port assembly (see other side for instructions) and the projector lid, then unscrew the two screws holding the top of the inlet duct. Remove the top. Pull the filter away from the velcro fixings top and bottom and discard. Attach the new filter to the lower velcro pad first, working through from top, and press firmly to ensure adhesion. Press the top edge of the filter to the upper velcro pad, ensuring that the two edges will line up well. Press the pad firmly. Make sure that it is straight, and there are no gaps down the side. Replace the top. Do not run the unit without the top in place, as there will be insufficient cooling on the lamp.

Outlet filter - The outlet filter should be changed every 2 years. To do this simply remove the lid as described above and grasp the filter and discard. To replace, lodge the upper edge under the lip adjacent to the fan mountings, and the lower edge into the lower corner of the housing. Tamp it down until it falls into a neat curved shape.

**PLEASE DO CONTACT OUR TECHNICAL DEPARTMENT FOR HELP IF YOU NEED ASSISTANCE AT
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