JUPITER II™
Light Mover

Rail - mounting instructions

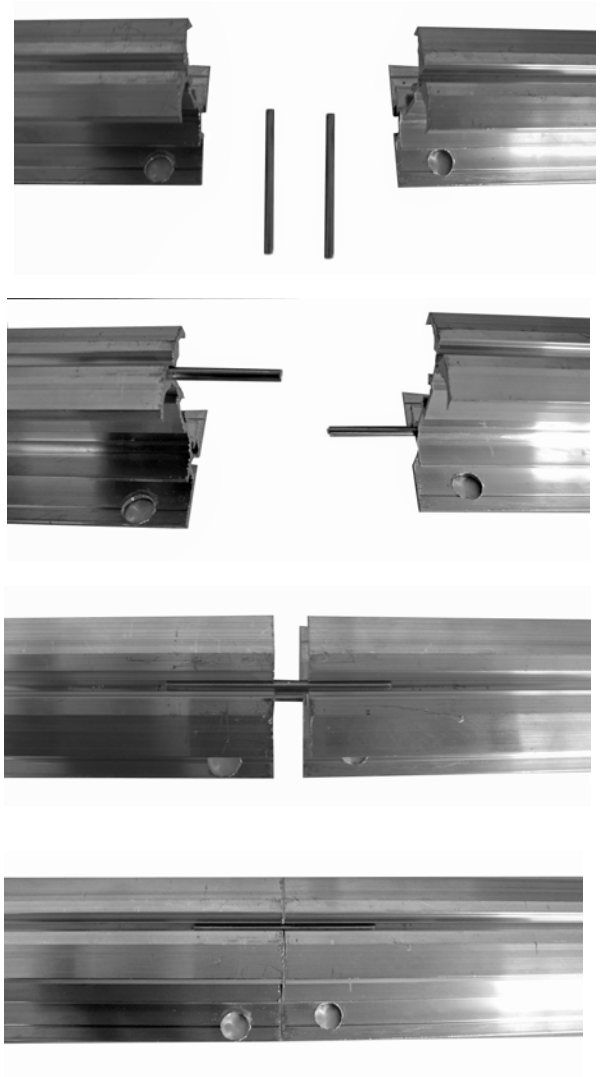
1. If your rail is in two lengths they'll need to be fitted together before use.
   If rail is one length go to point 3 below.

   Please note it may be easier to slide motor on to rail before mounting rail to tent frame. Make sure motor switch slide bar is on the side that the switch stoppers slide into.

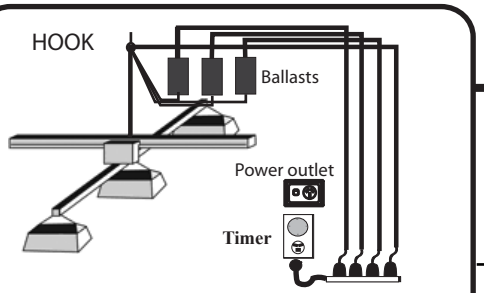
2. Align both pieces of rail, make sure that the stopper slides are facing the same way on both rails before joining. Slide the 3 x 50 mm joiner pins half way into the corresponding holes as shown. Push the two halves of the rail together, try get the pins evenly in both sides make sure rails are hard up against each other. .

3. Place rail on length of wood. Drill 2 x 3 mm holes at each end of the rails - Do not drill into the wood **(there is an indent line on each side of the rail to help locate the drill).** Before fastening the rail make sure two lengths are still aligned correctly after drilling the holes, re-align if need be.

4. Fasten the rail to ceiling with the 8 (6 if single rail) self tapping screws, two screws at each end of each rail (and two in centre, single rail), making sure that they are screwed hard up against the rail.



SUGGESTED SET UP ARRANGEMENT



Kit 2 illustrated

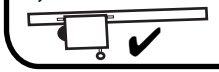
*** Never manually push motor along rail. Overiding of gearbox could result in gear destruction and thus voiding of warranty.**

*** Never tamper with motor unit, read warranty details below.**

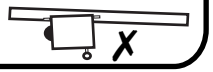
Mount Rail level

If ceiling is not level follow guide below

Level or **max** 5mm higher eye bolt side = **traction**



Rail, level or lower eye bolt side = **no traction**



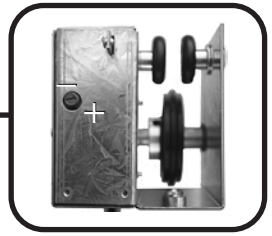
STOPPER SCREW PLACEMENT

WARNING

Do not connect motor to power until stopper screws are fastened in position. Slide one either side of the motor unit as in the photo. Otherwise motor unit will run off end of rail, possibly resulting in serious damage.

VARIABLE TIME DELAY

The delay at each end of the travel can be set from between 0 to 60 seconds. Adjustment is made by turning the small thumb screw located on the side panel of the drive unit. Turning clockwise increases delay and anticlockwise decreases the delay time.
Start at around 30 seconds, observe effect and adjust accordingly. Plants can aclimatise to varying conditions therefore experimentation is essential in determining the correct delay period.



MAINTENANCE

The Jupiter 2 Light mover uses only the highest quality components available to avoid problems. The motor requires no service, the gearbox is loaded with grease on construction. The brass bush that the 1/2" axle runs through can be oiled once a year. If the motor unit fails for any reason whatsoever, it must be returned for repair or service to Niccoponics - 10 Oxford St, Camberwell, Vic, 3124, Australia.

WARRANTY

This Jupiter 2 motor unit is warrantied for a total period of 2 years from proofed purchase date. **Please note that this warranty will be voided if the motor unit has been modified or tampered with in any way or there is evidence of blatant misuse. This also includes holes drilled into the chassis, removal of the cover plate or disassembly of the drive components.** Please take unit back to the original purchase point with dated purchase receipt of the motor unit in question. If proof of purchase date is not possible then the start of the warranty period will be deemed to be from date of despatch as recorded by registration of motor serial number at Niccoponics - 10 Oxford St, Camberwell, Vic, 3124, Australia.

SPECIFICATIONS

Power - 240 VAC. 50hz. 3 Watts
Operating limits: Temp: - 15 deg to C + 70 deg C
Effect of motor stall: The motor can be stalled without any rise in temperature. Motor current: 4 milliamps run or stall.

www.jupiter2lightmover.com

INSTALLATION INSTRUCTIONS

Thank you for choosing the all Australian Jupiter 2 Light mover. You can now look forward to the benefits of moving lights.

* Increased yield.
* Allow more light to reach lower areas by eliminating shading.
* Creates even height profile of crop, as plants don't crowd around lamps.
* Healthier growth

Please read these instructions carefully. If you have any queries or comments, please contact the manufacturer, at info@jupiter2lightmover.com

* The Jupiter II runs on 240 VAC and draws a low 2 watts.
* Always use a grounded three pin plug and remember, wet hands and electricity can cause fatal consequences. Make sure hands are dry before plugging or unplugging the unit.
* Plug the Jupiter 2 into a into a separate timer to the lamp ballasts so that the lightmover commences operation at the same time as the lamps.
* Always place crossbars at 90 degrees to the rail. Never place parallel to the rail as this may cause the drive wheel to wear out prematurely.
* The Jupiter 2 has been developed to maximize light penetration by allowing closer lamp to plant distance. The use of horizontal batwing type lamp reflectors is recommended to take full advantage of the controlled beam of high intensity light emitted from this type of reflector. Chinaman hat type of reflectors are designed for stationary lamps where you require a wide distribution of light at the expense of intensity.
* All lamps hung from unit must be fitted with reflectors. Do not hang ballasts on the lightmover as this will void the warranty.

AVOIDING TRACTION PROBLEMS.
when track must be mounted higher at one end, make sure the motor unit eye bolt is facing the higher end of rail otherwise slipping will occur due to the way the motor employs gravity and weight of reflector for traction. If drive wheel slips on rail remove rail, turn it 180 degrees and re-fasten. This should fix the problem.

1. Locate a suitable level mounting beam or rail in ceiling.
2. Fasten track directly to ceiling or a length of straight wood using the supplied self tapping screws as shown in the seperate rail mounting instructions.
3. There are two stopper screws with lock nuts, one for either side of the motor. Slide one stopper onto track before motor unit.
   Slide the Jupiter 2 motor on to the track, making sure that the slide switch is on the side of the track which has the extruded slot for the stopper screws. Slide the other stopper into the slot on the track. The stopper screws can be moved along the rail to adjust the travel distance of the motor. Position the stoppers and fasten using a screw driver.
4. Attach chain (do not use any material that can catch fire) from eye bolt on underside of motor to reflector. Adjust chain to correct height above plant canopy.
5. Attach another eye bolt or hook into the ceiling about 1/2 metre to the side of the centre of the track. The lamp's cord drapes through the hook during operation. Make sure there is enough slack in the power cord so that when the reflector reaches the end of it's travel it does not catch.
   Cable tie the power cord and the lamp cord to the motor eye bolt first before cords travel to the wall. This will prevent the power cord cutting where it enters the chassis black plastic retainer due to excessive movement.
6. Plug the motor into a 240 VAC power outlet. Watch the system operate for a full cycle to make sure the power cords are positioned correctly and the reflectors don't tilt. If they do then allow more slack in the cords.

Check online for latest installation instructions
www.jupiter2lightmover.com