



# Assembly Instructions.

(To be read along with basic assembly instructions)

## All kits - Pushrods With Crossbars

### WARNING: READ BEFORE RUNNING SYSTEM, LAMPS ATTACHED.

Never run the system until the end motor stops have been adjusted and fastened to the track as instructed. Otherwise the motor or jockey wheel set, with lamps attached, may run off the end of the track.



### Parts List

1. 1 x motor unit. Includes 2 x stopper screws & nuts rail mounting screws or cable ties
2. 2 x 1.2, 1.5, 2m or 1 x 2, 2.4 or 3m aluminium rail
3. 1 x 1.2, 1.5 or 2 m adjustabar pushrod aluminium
4. 1 x M6x25 motor bolt nut and washers
5. 1 x jockey wheel kit clamp bracket & 1 x M6x20 bolt
6. 1 x clamp bracket per crossbar & M20 bolt (apart from crossbar under jockey wheels)
6. 12 x eyebolts to hang lights from adjustabar
7. 2 or 3 x selected length adjustabar (crossbar)

### Rail mounting

please refer to seperate instruction sheet.

### Connecting crossbar to jockey wheel end of pushrod

1. Make sure all the above listed parts are present.
2. Slide jockey wheel clamp bracket into pushrod extrusion. **Pic 1**
3. Slide crossbar half way of length through clamp bracket.
4. Fasten bolt using 10 mm spanner. **Pic 2**
5. Slide eye bolts to underside of adjustabar and fasten in position. **Pic 3**

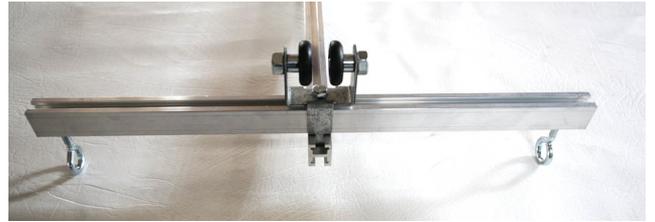
**Pic 1**



**Pic 2**



**Pic 3 - cut down Adjustabar shown**



### Connecting crossbar to motor end of pushrod

1. Slide the remaining clamp bracket into other end of pushrod. **Pic 5**
2. Slide crossbar half way of length through clamp bracket. **Pic 6**
3. Fasten bolt using 10 mm spanner. **Pic 7**
4. Slide eye bolts to underside of adjustabar and fasten in position. **Pic 8**

**Pic 5**



**Pic 6**



**Pic 7**



**Pic 8 - cut down Adjustabar shown**





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### Mounting whole assembly to track

1. Fasten 6 x 25mm motor bolt to motor chassis, thread in upward position.. **Pic 9**
1. Slide one motor stopper onto track and fasten about half way along track length.
2. Slide motor, with the Jupiter 2 sticker facing you, onto left end of track.
3. Slide the other motor stopper on rail, position both stoppers and fasten. **Pic 10**
4. Fasten both screws using philips head screwdriver.
4. Lift the assembled pushrod and slide the jockey wheel end onto right end of rail.

**Pic 9**



**Pic 10**



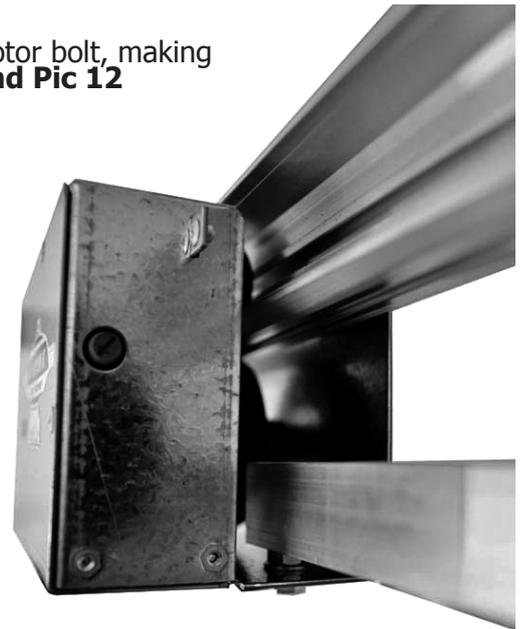
### Connecting pushrod to motor

5. Connect pushrod by lowering it onto thread of the M6x25 mm motor bolt, making sure bolt is located through pre-drilled hole in pushrod. **Pic 11 and Pic 12**

**Pic 11**



**Pic 12**



### Important!

Pushrod sits loose on motor bolt. Never fasten pushrod hard to motor as motor must pivot on jockey wheels using weight of light fixtures to obtain drive wheel traction. fasten motor bolt hard to chassis with nut first then lower pushrod onto bolt thread so pushrod sits on top of motor bolt nut.

### Mounting reflectors to adjustabar (crossbar)

1. Mount one reflector to 2 eyebolts (hang from chain) or bolt reflector directly to adjustabars.
2. Mount ballasts on wall approximately same height as adjustabars .
3. Cable tie lamp cords and motor powercord to adjustabar inline with motor. Now drape them across to the ballasts. Secure the cords making sure that there is enough slack for full movement of motor along rail.
4. Do the same as step 3 for cords from reflectors under the jockey wheel set.
5. Before powering up lamps connect the motor unit to a 240 VAC power outlet and watch the motor run along track a few times to make sure the motor runs smoothly without any snagging of cords etc.

### Troubleshooting - [info@jupiter2lightmover.com](mailto:info@jupiter2lightmover.com) ☎ 0403 039 427

If motor appears to stop anywhere between the stoppers check to see if the drive wheel is making proper contact with the rail and is not losing traction. Make sure rail is level with the aid of a spirit level (it may look OK by eye but is not). If no spirit level is handy then unfasten turn around and re-fasten rail. This may work as the rail will be correctly re-angled to allow traction. Remember that if the track has to be mounted on even a slight angle then make sure that the adjustabar end of the motor is running uphill.