



## Installation Instructions GA5430 5GHz 30dBi Grid Antenna

Publication 091305

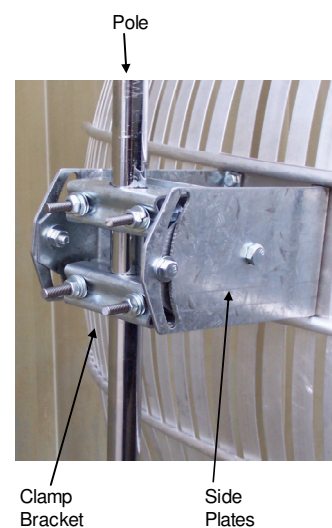
Thank you for buying a PacSat antenna. This product is the result of more than 10 years microwave experience, ongoing research and development. When correctly installed, it will give you many years of trouble-free service.

### Polarisation

- The antenna can be installed either vertically or horizontally polarized.
- The arrows on the **VERT** polarisation arrow on the feed should always align with the bars of the reflector (grid)
- To change polarization, the reflector and feed are rotated through 90 degrees by changing the position of the *side plates* relative to the centre plate of the reflector. For vertical polarization the VERT arrow should be pointing up. For horizontal polarization the HOR arrow should be pointing up.

### Assembly of Antenna

1. Attach the antenna feed horn to the front of the reflector using two sets of M6 bolts, nuts and washers. Ensure the **VERT** arrow is aligned with the grids.
2. Attach the assembled mounting assembly to the back of the reflector using the 2 bolts on each bracket. You may have to loosen the nuts on the pivot bolt or side plate to achieve this.
3. Attach the assembled antenna to the mast or tower. The V-blocks should be positioned either side of the mast.
4. Connect the coax feed. Using a suitable measuring device, aim the antenna in azimuth and elevation for best signal.
5. Tighten the 12.7mm nuts and side-plates nuts and bolts to lock adjustments. Check all other nuts and bolts are secure.



Mounting Assembly

### Note

The bottom of the feed contains a 3mm IP65/67 rated microporous ePTFEE membrane. Do not destroy the membrane by attempting to clear the 3mm hole.