Installation Instructions
GA2421 2.4GHz 21dBi Grid Antenna

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Thank you for buying a PacSat antenna. The GA2421 is a 21dBi parabolic grid antenna manufactured from durable corrosion-resistant aluminium alloy and stainless steel mounting hardware.

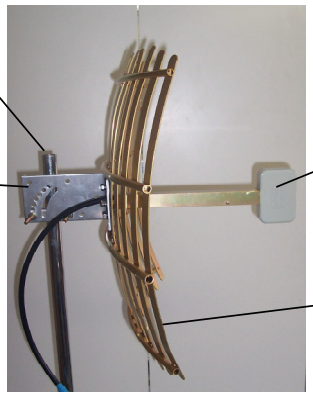
Note: The long axis of the feed should be parallel with the reflector bars for both vertical and horizontal polarisation – as shown in the picture below (the HOR arrow should align with the bars)

Assembly for Vertical Polarisation

Step One: Attach the Feed & Mounting Bracket to the Reflector

- This is achieved by sandwiching the *reflector* between the *feed* and *mounting bracket*.
- The *mounting bracket* is reversible. It allows for the antenna to be tilted either up or down. Select the orientation best-suited to the installation site.

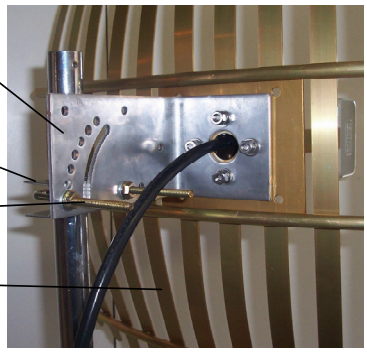
1. Pass the coaxial fly lead of the *feed* through the hole in the *reflector* from the front and then through the hole in the *mounting bracket*. For vertical polarization the VERT arrow should point up, for horizontal polarization the HOR arrow should point up. In both cases the long axis the feed should be parallel with the bars on the reflector.
2. Bolt the *feed feet, reflector and mounting bracket* together using the two nuts, flat & split washers and bolts.
3. Insert remaining two bolts, washers and nuts through *reflector* and *mounting plate* for additional rigidity.



Antenna in vertical polarization.

Step Two: Attach the Mounting Bracket

- Mount the assembled antenna to a suitable mast using the *V-block* and *U-bolt* supplied.
- Ensure the *V-block* sits flat against the *mounting bracket* so that the *mounting bracket* does not make contact with the mast.
- Use the appropriate holes in the *mounting bracket* to aim the antenna.



Horizontal Polarisation

- For horizontal polarisation, the *feed* and *reflector* should be rotated 90 degrees relative to the *mounting bracket*.
- This will mean the long-axis of the reflector is now vertical and the long-axis of the feed housing will be horizontal.

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