



## Installation Instructions GA3520 3.5GHz 20dBi Grid Antenna

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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 and operated, it will give you many years of trouble-free service. This antenna has been fully tested before it left our factory.

### Supplied Items

The GA3520 antenna is supplied with the following items:

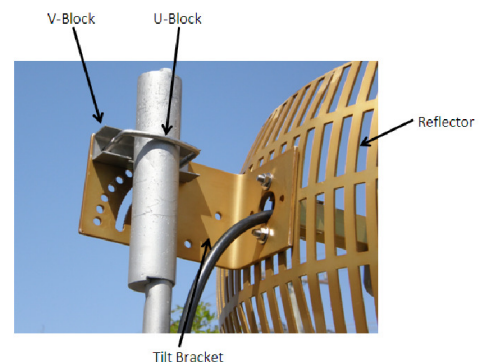
- 1 Reflector assembly
- 1 Feed assembly with 2 bolts, flat washers, spring washers & nuts
- 1 Tilt bracket
- 1 V-Block & U-Bolt with 2 flat washers, spring washers & nuts



Antenna Mounted Vertically Polarised

### Assembly of Antenna

- Determine:
  - Whether up-tilt or down-tilt on the antenna is required.
  - Whether vertical or horizontal polarisation is required (all antennas on a link require the same polarisation)
- Place the feed onto the front of the reflector using the two bolts. Ensure **that the "HOR" arrow sticker on the feed aligns with the long axis of the reflector.**
- Place tilt bracket onto the two bolts ensuring it is correctly orientated to achieve the up- or down-tilt and polarisation required. The reflector should now be sandwiched between the feed and tilt-bracket.
- For vertical polarisation the VERT arrow should point up. For horizontal polarization the HOR arrow should point up. In both cases the HOR arrow should align with the long axis of the reflector. The picture shows the antenna mounted for vertical polarisation. For horizontal polarisation the long axis of the reflector will be horizontal.
- Put on flat washer, spring washer and nut and tighten.
- Attach the assembled antenna to the mast using the V-block and U-bolts. Ensure that the V-block is between the tilt bracket and mast.
- Attach a coax feeder cable to the N-Male plug socket at the back of the feed using self amalgamating tape to seal. Installation is now complete.



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