



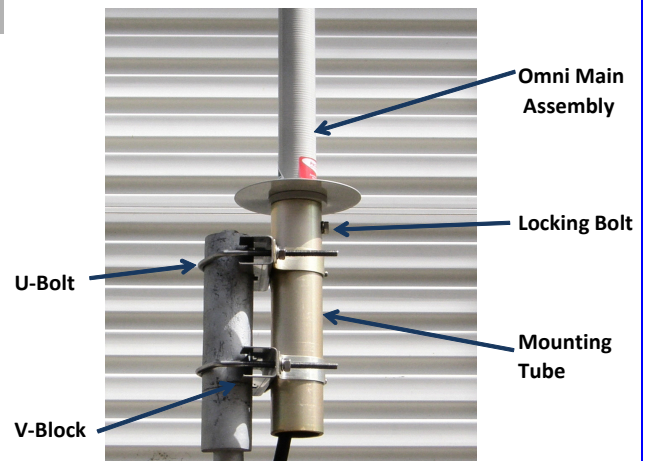
Installation Instructions OMN5405, 5407, 5410 Omni Antenna

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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.

Notes

- The OMN54 series antennas has an omni-directional pattern in the horizontal H-plane (360° coverage).
- It is important to mount the omni antenna exactly vertically to achieve uniform 360° coverage.
- The OMN54 series antennas are constructed for vertical polarisation. To maximize signal strength other antenna in the network should also be vertically polarised.
- The instructions below cover attaching the Mounting Tube to the mast and then inserting the Omni Main Assembly into it. An alternative approach is to connect the feed and attach the Omni Main Assembly to the Mounting Tube and then attach the complete assembly to the mast.
- Tool required: 10mm spanner or ratchet spanner



Assembly

1. Attach the Mounting Tube to the mast using the two sets of V-Blocks and U-bolts. The mast should sit in the "V" of the V-block.
2. Ensure the Mounting Tube is perfectly vertical and tighten the four M6 nuts on the U-bolts.
3. Pass your feeder cable through the Mounting Tube and attach to the N-type Female connector on the bottom of the Omni Main Assembly.
4. Use self-amalgamating tape to seal the connector by wrapping the antenna socket and connector. Ensure the bottom end of the antenna is not sealed as it is fitted with a drain hole to prevent the accumulation of aspirated water.
5. Slide the Omni Main Assembly into the Mounting Tube and aligning the holes in both.
6. Insert the M6 Locking Bolt with spring washer and tighten to lock Omni Main Assembly in place.
7. The antenna is now ready for service.

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