



## Installation Instructions R8213 & R8215 Yagi 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

- Antenna models R8213 & R8215 are 2.4GHz Yagi antennas. As they are directional antennas, they must be aimed until the maximum signal is established.
- Although they are of rugged construction, the antenna should be treated with reasonable care. Do not strain the coax cable and connector or use them as a carrying handle. The resulting damage may not be immediately apparent but may affect the performance of the antenna.
- Ensure all antennas in the network are installed in the same polarisation.
- The antennas are fitted with a 300mm long cable-tail with an attenuation of 0.2dB. When calculating your link budget we suggest you assume 0.2dB plus 0.1dB typical connector loss.
- We recommend a minimum mast diameter of 30mm.



### Assembly

Please follow the assembly procedure below:

1. Determine the required polarisation and whether up or down-tilt is required.
2. Attach the antenna to the mounting plate to achieve the required polarisation and up or down tilt. For vertical polarization the VERT arrow should point up, for horizontal polarization the HOR arrow should point up. This is achieved by bolting the antenna to the mounting plate using two nuts, flat & spring washers  
**Important** – the antenna has a single air vent covered by a water repellent membrane. This vent should point down. Do not attempt to clear this hole as you will destroy the membrane.
3. Install the V-block, U-bolt and nuts. Please ensure the V-block is placed against the antenna mounting bracket.
4. Securely tighten the two nuts to ensure aim is maintained in high wind conditions.

Pacific Satellite Pty Ltd  
12 George Road, PO Box 100  
Salamander Bay, NSW 2317  
AUSTRALIA

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National Sales: 1800 001 081  
Phone: 61 2 4982 0855  
Fax: 61 2 4982 0566  
[www.pacsat.com.au](http://www.pacsat.com.au)  
[sales@pacsat.com.au](mailto:sales@pacsat.com.au)