

SP45xx/SP60xx Mounting instructions



These mounting instructions apply to the antennas SP45 and SP60 in the frequency bands 2.4 GHz (/24), 3.5 GHz (/34) and 5.8 GHz (/58).

1. Insert the feeder from the front of the parabolic reflector through the four 6 mm diameter holes. The N type female connector fits in the 25 mm hole. Apply the aluminium mounting bracket from the rear of the reflector. Also see the next paragraph on polarisation.

2. Fix the feeder and the mounting bracket with 4 pcs M6 nuts + locking washers + flat washers as depicted.

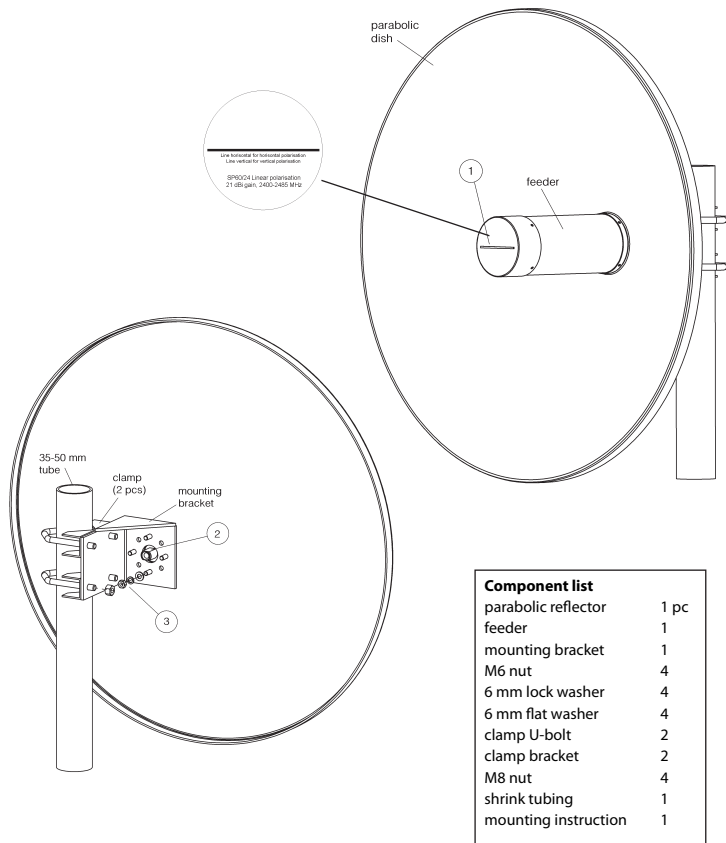
3. Mount the antenna on a 35-50 mm mast tube with the two clamps.

Polarisation The polarisation of the antenna is shown on the label on the front of the feeder and on the chamfered surface of the N type connector on the back of the antenna. The feeder can be rotated in 45° steps. The mounting bracket can also be rotated in 45° steps for mounting on horizontal tubes or on eg a diagonal tower frame.

Weather proofing The type SMA connector is weather proofed with the supplied heat shrink tubing with meltglue. Use a hot air gun to apply the shrink tubing.

Surge protection The antenna is DC grounded and hence no extra surge protection is required. Mount the antenna on a grounded tube or mast if available.

WLAN Design Tools On our home page you can use WLAN Design Tools. Use LinkBudget to calculate two-way link budget, AccessPointConfigurator (APC) to choose the best antenna for base stations and PolPlot to study the radiation pattern of the antennas.



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