

4.9 to 5.8GHz Parabolic Grid Instruction Sheet

Step 1: Decide if Horizontal Polarity (HPOL) or Vertical Polarity (VPOL) is required. The polarity is changed by rotating the entire feed horn/antenna assembly on the bracket. Also decide if uptilt or downtilt will be required. The bracket can be mounted to provide uptilt or downtilt. If using for 21dB grid, the feedhorn bracket flange needs to be moved forward to reduce the focal length. See diagram below.

Step 2: Clip on the optional metal gain booster subreflector to the feedhorn. Using the subreflector will provide an additional $\sim 0.5\text{dB}$ gain. Assemble the feedhorn/antenna and bracket by inserting 2 screws through the feed horn mount and then additional screws into the remaining bracket hole/s. The feedhorn must be mounted so that the base flange and plastic radom are parallel with the small wires of the grid as shown.

Step 3: Install the antenna assembly to the pole using the V Block pole clamp and U Bolt. Adjust to desired rotation and angular position and then tighten U-Bolt nuts.



Vertical Polarity



Bracket set for downtilt

To change feedhorn for 21db grid, loosen both screws, slide flange bracket forward to position front set screw over 21db positioning flat. Flange must be parallel with plastic radom. Tighten both screws.

