

POWERLINK

Installation Instructions

2.4Ghz 24dBi Grid Antenna

Thank you for buying a POWERLINK antenna. It is a 2.4GHz 24dBi parabolic grid antenna manufactured from durable corrosion-resistant aluminum alloy and stainless steel mounting hardware.

Note: The short axis of the feed should be parallel with the reflector bars for both vertical and horizontal polarization – as shown in the picture on page 2

Assembly for Horizontal Polarization

Step One: Assemble both halves antenna, then attach the Feed & Mounting Bracket to the center hole of reflector.

- This is achieved by sandwiching the reflector between the feed and mounting bracket.
- The mounting bracket is reversible. It allows for the antenna to be tilted either up or down. Select the orientation best-suited to the installation site.

1. Pass the coaxial fly lead of the feed through the hole in the reflector from the front and then through the hole in the mounting bracket. The long axis the feed should be parallel with the bars on the reflector.

2. Bolt the feed feet, reflector and mounting bracket together using the two nuts, flat & split washers and bolts.

3. Insert remaining two bolts, washers and nuts through reflector and mounting plate for additional rigidity.

Step Two: Attach the Mounting Bracket

- Mount the assembled antenna to a suitable mast using the V-block and U-bolt supplied.
- Ensure the V-block sits flat against the mounting bracket so that the mounting bracket does not make contact with the mast.
- Use the appropriate holes in the mounting bracket to aim the antenna.

Vertical Polarization

- For Vertical polarization, the feed and reflector should be rotated 90 degrees relative to the mounting bracket.
- This will mean the short-axis of the reflector is now vertical and the short-axis of the feed housing will be horizontal.

Please refer the following pictures for the correct installation.

 A close-up photograph showing the metal mounting bracket of the antenna being installed onto a wooden pole. The bracket is oriented horizontally, and a black cable is visible passing through it. The background shows the white grid-like structure of the antenna.	 A close-up photograph showing the metal mounting bracket of the antenna being installed onto a wooden pole. The bracket is oriented horizontally, and a black cable is visible passing through it. The background shows the white grid-like structure of the antenna.
Horizontal Position	Horizontal Position
 A close-up photograph showing the metal mounting bracket of the antenna being installed onto a wooden pole. The bracket is tilted downwards, and a black cable is visible passing through it. The background shows the white grid-like structure of the antenna.	 A close-up photograph showing the metal mounting bracket of the antenna being installed onto a wooden pole. The bracket is tilted downwards, and a black cable is visible passing through it. The background shows the white grid-like structure of the antenna.
Tilt Down Position Note: Drill a hole on the bracket to install another V-block and U-bolt	Tilt Down Position



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For questions, please contact PremierTek email: tech-support@premiertek.com or call 909-993-5599