



ANTENNA EXPERTS

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AP-145016 1300 – 1600 MHz. 0.6 Meter 16dBi. Gain

INSTALLATION MANUAL – GRID PARABOLIC ANTENNA

NOTICE:

Installation, maintenance or dismantling of the grid parabolic antenna system requires qualified and experienced personnel. **Antenna Experts** Installation instructions have been prepared and are meant for skilled personnel only.

Antenna Experts disclaims any liability or responsibility as a result of improper or unsafe installation practices.

MATERIALS AND FINISH:

Following materials are used for the fabrication of Grid Parabolic Antennas and its accessories.

Grid Parabolic Reflectors:	6063T6 Aluminum, Silver Gray paints finish.
Mounting Hardware:	All stainless steel, Silver Gray paints finish.
Fasteners:	All Stainless Steel.
Dipole Feed:	All Aluminum with silver gray paints finish outside.
Insulator:	TEFLON.

PACKING LIST

<u>Sl. No.</u>	<u>ITEM/DESCRIPTION</u>	<u>QUANTITY</u>
01.	Parabolic Reflector Complete in assembled condition.	1 Each.
02.	Dipole Feed.	1 Each.
03.	Mounting Plate “L” type.	1 Each.
04.	Mounting Clamps.	2 Nos.
05.	Installation Manual.	1 Each.
06.	Test Report.	1 Each.

INSTALLATION INSTRUCTION:

1. Unpack the Grid Parabolic antenna, Dipole-Feed and mounting hardware from the packing box.
2. Fix the “L” type mounting plate on the base plate of Parabolic Reflector, by using four nuts/bolts, which are provided on the base plate.
3. Rotating the “L” type mounting plate through 90 degrees can change plane of polarization.
4. Install the mounting pipe on the side of “L” type mounting plate, by using two “U” type bolts, which are fixed on the “L” type mounting plate.
5. Install the Dipole Feed from the front side of the Parabolic Reflector on the base plate, by using two nuts/bolts, which are fixed on the base plate.
6. Install the antenna on the tower/mast by using two mounting clamps.
7. Use a flexible coaxial cable, to connect the N-Female termination of antenna and secure it with cable ties.
8. Seal the connector against moisture ingress with a sealing tape.
9. Carefully align the antenna (Horizontal Tracking) in desired direction to obtain maximum signal strength, by rotating the antenna left/right.
10. Vertical Tracking can be determined by rotating the “U” type bolt up/down, which is, provide on the “L” type mounting plate.
11. Tighten all nuts and bolts.