

ANTENNA EXPERTS

New Delhi, India "Challenging Limits"

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BROADBAND GROUND PLANE ANTENNA – INSTALLATION MANUAL

Model GP-136-155

136-155 MHz.

2 dBi Gain

NOTICE:

Installation, maintenance or dismounting of the antenna system requires qualified and experienced personnel. Antenna Experts antenna 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:

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

| | |
|-------------------------|---|
| Radiating Elements: | 6063T6 Aluminium Alloy |
| Ground Radial Elements: | Marine Grade Stainless Steel |
| Ground Base: | Aluminium "L" Plate |
| Radome/Housing: | Fiberglass |
| Mounting "U" Bolts: | Marine Grade Stainless Steel |
| Connector: | Silver Plated Brass body with Gold plated pin |
| Insulator: | Nylon |

PACKING LIST:

| <u>Sl. No.</u> | <u>DESCRIPTION</u> | <u>QUANTITY</u> |
|----------------|---|-----------------|
| 1. | Ground Plane Body complete with Radiator. | 1 Each. |
| 2. | Ground plane Radials. | 4 Nos. |
| 3. | Mounting clamp "U" bolts complete with all accessories. | 2 Nos. |
| 4. | Installation Manual. | 1 Each. |
| 5. | Test Report. | 1 Each. |

INSTALLATION INSTRUCTIONS:

1. Unpack the Ground Plane Antenna from the packing box.
2. Connect the four ground radials to the ground plane body.
3. Radiating element is sealed in fiber glass radome//housing to protect it from severe environment condition.
4. Connect the N-Male connector of the coaxial cable to the N-Female termination of ground plane antenna.
5. Assemble the mounting pipe to the Ground Plane Body, by using external threads on the GP body and internal threads on the mounting pipe.
6. Install the ground plane antenna on the top of the mast by using the two supplied mounting "U" bolts and tighten all nuts and bolts. Secure the flexible coaxial cable with cable ties.
7. Take VSWR reading by using through-line RF Power meter. The VSWR should never increase 1:2. Keep the record of VSWR measurements for future reference.
8. Do not operate the antenna other than the specified frequency band of the antenna.
9. Qualified, skilled personnel to verify proper installation and maintenance should inspect antenna system once a year.