



# ANTENNA EXPERTS

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CD-108-512

108 – 512 MHz.

2 dBi Gain

## COAXIAL DIPOLE ANTENNA – INSTALLATION MANUAL

### NOTICE:

Installation, maintenance or dismantling 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.

Support pipe:	6063T6 Aluminum.
Radiating Elements:	6063T6 Aluminum
Enclosure:	UV Resistant ABS
Mounting Hardware:	All Stainless Steel.
Fasteners:	All Stainless Steel.
Connector:	Silver plated brass body & Gold plated pin.
Insulator:	TEFLON.

### PACKING LIST

<u>Sl. No.</u>	<u>ITEM/DESCRIPTION</u>	<u>QUANTITY</u>
1.	Coaxial Dipole Antenna Complete in assembled condition.	1 Each.
2.	Mounting Clamp to Mount the Antenna.	2 Nos.
3.	Installation Manual.	1 Each.
4.	Test Report.	1 Each.

### INSTALLATION INSTRUCTION:

1. Unpack the coaxial dipole antenna and mounting hardware from the packing box and remove the plastic sleeve/tube from the ABS enclosure.
2. The mounting clamps are suitable to mount the antenna on 25 to 52 mm (1 to 2 Inches) outer diameter round pipe.
3. This coaxial dipole antenna can be mounted on side of a vehicle, provided that 25-52 mm (1 to 1.5 Inches) diameter pole fitted on the side of vehicle.
4. This coaxial dipole antenna can also be mounted on the roof top of the vehicle with standard NATO 4 holes pattern. (Optional).
5. Install the coaxial dipole antenna on the top of the mast/pipe by using two mounting clamps, supplied with the antenna.
6. Take extreme care during Installation that the ABS (Plastic) portion of antenna must be clear/above from any metallic structure like mounting pipe/mast.
7. Connect the antenna feeder cable to the N-Female connector (provided at the bottom) of the multi band antenna and secure it with cable ties.
8. Seal the connector against moisture ingress with a sealing tape.
9. Take VSWR reading by using through-line RF Power meter. The VSWR should never increase 1:2.5.
10. Keep the record of VSWR measurements for future reference.
11. Tighten all nuts and bolts.