



# ANTENNA EXPERTS

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JD-500-800

500-800 MHz.

2.5 dBi. Gain

## INSTALLATION MANUAL – OMNI-DIRECTIONAL JAMMER DISCONE ANTENNA

### 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.

Support pipe:	6063T6 Aluminum.
Radiating Elements:	Brass
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.	Jammer Discone Antenna Complete in assembled condition.	1 Each.
2.	Mounting Hardware (fixed on N connector) to mount the Antenna.	1 Each.
3.	Installation Manual.	1 Each.
4.	Test Report.	1 Each.

### INSTALLATION INSTRUCTION:

1. Unpack the Discone antenna, its accessories and mounting hardware from the packing box and remove the plastic sleeve/tube from the antenna.
2. Connect the 8 Cone Elements to the antenna main body and tighten all elements against antenna body using spanner.
3. Antenna should be installed at the maximum possible heights to get the longer jamming area. Even a few Inches of increase in antenna height will results better coverage area.
4. A 16 mm hole is required to drill through the roof of the vehicle to mount the Jammer Discone Antenna on the rooftop of the vehicle.
5. Insert the Jammer Discone Antenna through the rooftop hole and tighten the supplied nut with split/spring washer against the roof of the vehicle.
6. The mounting clamps to mount the antenna on 25 to 52 mm O.D. vertical round pipe can be supplied on request in case of rooftop hole mounting is not required.
7. Take extreme care during Installation that the Fiberglass portion of antenna must be clear/above from any metallic structure like mounting pipe/mast.
8. Connect the antenna feeder cable to the N-Female connector (provided at the bottom) of the Jammer Discone Antenna.
9. Seal the connector against moisture ingress with a sealing tape in case of open weather installation.
10. Take VSWR reading by using through-line RF Power meter. The VSWR should never increase 1:1.2.
11. Keep the record of VSWR measurements for future reference.
12. Tighten all nuts and bolts.