



ANTENNA EXPERTS

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Model BVM-500-6000 500 – 6000 MHz. 2 to 0dBi. Gain

VEHICLE MOUNT 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.	Vehicle Mount 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 vehicle mount antenna, its accessories and mounting hardware from the packing box and remove the plastic sleeve/tube from the antenna.
2. Antenna should be installed at the maximum possible heights to get the longer coverage area. Even a few Inches of increase in antenna height will results better coverage area.
3. This vehicle mount antenna can also be mounted on the roof top of the vehicle with standard NATO 4 hole pattern. (Optional).
4. For roof-top mounting, a 16 mm hole is required to drill through the roof of the vehicle to mount the antenna on the roof-top of the vehicle.
5. Insert the antenna through the rooftop hole and tighten the supplied nut with split/spring washer against the roof of the vehicle.
6. For mounting on side pole of vehicle, the 2 numbers of mounting clamps can be used to mount the antenna on 25 to 38 mm (1 to 1.5 Inches) outer diameter vertical round pipe, in case of roof-top hole mounting is not required.
7. Take extreme care during Installation that the ABS (Plastic) 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 multi band 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 1:2.5.
11. Keep the record of VSWR measurements for future reference.
12. Tighten all nuts and bolts.