



ANTENNA EXPERTS

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Model AVM-450 330 – 512 MHz. Unity Gain

INSTALLATION MANUAL – VEHICLE MOUNT WHIP 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.

Radiating Element:	Stainless Steel.
Fasteners:	All Stainless Steel.
Mounting Clamp:	“L” type Stainless Steel.
Connector:	Silver Plated Brass body with Gold plated pin.
Coil Housing:	Black NYLON
Coaxial Cable:	RG-58.

PACKING LIST:

<u>Sl. No.</u>	<u>Item/Description</u>	<u>Quantity</u>
1.	Whip Mobile Antenna complete with Stainless steel whip, 3.5 Meters coaxial cable and “L” type mounting clamp.	1 Each.
2.	Self Tapping Screws to mount the “L” type clamp on the vehicle with the help of screw driver.	4 Nos.
3.	Installation Instruction.	1 Each.
4.	Test Report.	1 Each.

INSTALLATION INSTRUCTION :

1. Unpack the Whip Mobile Antenna from the packing box with stainless steel whip from the fiberglass radome.
2. The antenna is supplied in completely assembled condition with 3.5 meter long connecting cable, stainless steel whip and N-Male.
3. Install the Whip Mobile Antenna on the side wall of vehicle by using “L” type mounting clamp and 4 self tapping screws supplied with the antenna, with the help of drill machine and screw driver.
4. The antenna can also mount on the rooftop of vehicle. In this case, remove the “L” type mounting clamp and make a 17mm hole on the center of roof with the help of drill machine. Tighten the brass bolt from the bottom side of roof and tighten the whip base on the brass bolt at the vehicle roof.
5. Connect the antenna N-Male connector of CNT-200 coaxial cable to the N-Female connector of the Transceivers.
6. Take VSWR reading by using through-line RF Power meter. The VSWR should never increase 1:1.5.
7. Keep the record of VSWR measurements for future