

Nagoya M-250 50-54 MHz Mobile Antenna

Instruction Sheet

The **M-250** is a 50-54 MHz tunable mono-band, 1/4 wavelength mobile antenna, optimized for 6m amateur band. 4 MHz tuning range.

Specifications

FREQUENCY:	50-54 MHz
GAIN:	2.15 dBi
POWER:	100 Watts P.E.P.
IMPEDANCE:	50 Ohms
VSWR (nominal):	1.5:1
ELEMENT PHASING:	1/4 Wave
GROUNDING:	Required for optimum performance
LENGTH:	50"
WEIGHT:	0.4-lbs.-(170 g)
MOUNT:	UHF MALE (PL259).
WARRANTY:	1 Year against defects in material or workmanship.
RECOMMENDED MOUNTS	Nagoya RB-400 Trunk Lip Mount

Installation Instructions

NOTE: THIS ANTENNA REQUIRES TUNING TO DESIRED FREQUENCY. USE QUALITY VSWR METER TO INSURE PROPER ADJUSTMENT. THE M-250 REQUIRES PROPER VEHICLE GROUND. MOUNTING LOCATION WILL AFFECT VSWR AND BANDWIDTH. NOT RECOMMENDED FOR MAGNET MOUNTS.

- (1) Remove antenna from package and inspect contents to insure it is complete.
- (2) Choose desired mounting location to insure maximum strength of mount, and proper vehicle ground to yield best performance of antenna.

Tuning of Antenna

- (3) Install antenna on vehicle. Check VSWR at your lowest and highest operating frequency to determine bandwidth. (Mounting location and mounting structures will effect RF grounding, resonant frequency and bandwidth.) If necessary to raise frequency, trim whip in 1/4" increments. Tighten set screws. Recommend using removable Loctite Threadlocker #242 or similar product to insure proper fastening of set screws.

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