



Instruction Manual

Please read and keep for future reference

Model: MA-721

Dual-band mobile antenna with magnet base with 5M coax, PL-259 and SMA-male connectors included

Specifications:

- Frequency range: 144-148MHz and 440-450MHz
- Type: 144MHz 3/8 wave, 440MHz 1/4 + 5/8 wave
- Gain: 1.7 / 4.15dBi
- Impedance: 50 Ohm
- VSWR: 1.5:1 or less
- Max power: 80W
- Height: Approx 19.5"
- Weight: Approx 1 lb
- Coax length: 5M RG-58 (16 ft 5 inches)
- Coax terminates in an FME, with PL-259 and SMA-male connectors included

Warnings:

- Be careful not to allow the antenna element to poke yourself or anyone else in the eye
- Do not touch the antenna while transmitting to avoid the possibility of an RF burn
- The magnet is rated to approx 75MPH driving speed but depends on many factors
- Always check that the antenna is tightened to the magnet base to avoid the element from falling off while driving

Installation:

- Choose and attach either the PL-259 or SMA connector
- Place the antenna on a flat surface on the vehicle, preferably the roof, and measure the VSWR
- If SWR is above 1.5:1, re-locate the antenna to another location on the surface until the SWR becomes best

Notes:

If the paint is dirty, the holding power of the magnet will be less strong. When removing the antenna do not pull on the coax, it may break. Do not slide the magnet, it may scratch the surface. Drive carefully so the antenna does not hit tree branches, garage doors, etc... If the magnet is left on the paint for long periods the paint may become discolored. This antenna is for amateur radio use only. Use on other frequencies may cause damage to the transmitter.

- Always check SWR before use. If you notice unusual signal conditions stop transmitting and check for a cause.
- We reserve the right to make changes to specifications without prior notice.

