

# **DIAMOND ANTENNA**

## **MR77 & MR77SMA**

### **2m/70cm Mobile Antenna / Magnet Mount**

#### **Instruction Sheet**

The MR77 and MR77SMA are 2m/70cm Dual-Band mobile antenna and magnet mount combination. 1/4 wavelength on 2m and two phased 1/2 wavelengths on 70cm. MR77 and MR77SMA are optimized to operate from 144-148 and 440-450 MHz. The MR77 comes with 13 feet RG58C/U and PL-259. The MR77SMA comes with 13 feet RG58C/U and SMA male connector.

#### **Specifications**

FREQUENCY:	2m: 144-148; 70cm: 440-450 MHz
GAIN:	2m: 2.15 dBi; 70cm: 3.4 dBi
POWER:	70 Watts
IMPEDANCE:	50 Ohms (Nominal)
VSWR:	1.5:1 (Nominal)
ELEMENT PHASING:	2m: 1/4 Wavelength; 70cm: 1/2 Wavelength
LENGTH:	19.5" (0.5m)
WEIGHT:	0.85 lbs. (400 g)
MOUNT:	MR77: Magnet with 13 feet RG58C/U and PL-259 MR77SMA: Magnet with 13 feet RG58C/U and SMA
LTD WARRANTY:	1 Year against defects in material or workmanship.

#### **Installation Instructions**

- (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 best performance of antenna.
- (3) Install antenna on vehicle. With quality VSWR meter, check VSWR. The MR77 and MR77SMA are pre-tuned and should require no adjustment.
- (4) Carefully route coax cable to radio. Do not pinch cable in windows or vehicle body panels, this will damage cable. The MR77 and MR77SMA will not function properly with damaged cable.

