



105 Bonnie Drive  
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# PRODUCT INFORMATION BULLETIN

## 900MHz MOBILE ANTENNA Bracket or Magnetic Mount MODELS 49-2101 / 49-2102

### DESCRIPTION

These mobile antennas are designed to transmit/receive RF signals from any direction. Used with our 900MHz Air-Eagle RF Systems, this antenna will ensure reliable communications when vehicle is stopped *or* in motion. Available in bracket or magnetic mounting styles.

### IMPORTANT NOTE!!

- If installing two or more antennas, it is imperative that they be at least 3 feet apart from one another!*

### INSTALLATION – BRACKET MOUNT

1. Locate the highest available point to mount the bracket, keeping in mind there is only 17 feet of coax to work with. Using the bracket as a template, screw bracket to mounting surface.
2. Thread the supplied antenna to the NMO mount on the bracket. When properly connected, the antenna should be snug against the mounting surface of the bracket.
3. Run the supplied coax cable from the antenna to the transmitter or receiver being installed.
4. Connect the TNC-male connector on the coax cable to the TNC-female connector on the transmitter or receiver.

### INSTALLATION – MAGNETIC MOUNT

1. Locate the highest available point on your vehicle to attach magnetic mount assembly. The magnet requires a minimum of a 3" diameter FLAT surface area.
2. Thread the supplied antenna to the top of the roof mount connector. When properly connected, the antenna should be snug against the mounting surface of the vehicle.
3. Run the supplied coax cable from the antenna to the transmitter or receiver being installed.
4. Connect the TNC-male connector on the coax cable to the TNC-female connector on the transmitter or receiver.



BRACKET MOUNTED ANTENNA (49-2101)  
Shown Above



MAGNETIC MOUNT ANTENNA (49-2102)  
Shown Above

### SPECIFICATIONS

P/N 49-2101 – Bracket Mount	
Frequency	902-928MHz
Gain dB	3
Height	1.4"
Diameter	2.4"
Coax Length	17'
Connector (Male)	TNC
P/N 49-2102 – Magnetic Mount	
Frequency	902-928MHz
Gain dB	3
Height (Antenna and Mount)	1.9"
Antenna Diameter	2.4"
Magnetic Mount Diameter	3"
Maximum Vehicle Speed for Magnetic Holding Strength	150 MPH
Coax Length	12'
Connector (Male)	TNC

# 900MHz MOBILE ANTENNA

Bracket or Magnetic Mount

**MODELS 49-2101 / 49-2102**

## REPLACEMENT PARTS

NMO Mount Antenna	99-ANT-0028
Antenna Bracket for Mounting 49-2101	99-ANTBRK-0001
3/4" Thru-hole Mounting Assembly w/cable & connector (w/o mounting bracket)	99-ANT-0017
Magnetic Mounting Assembly w/cable & connector	99-ANT-0015

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DOCUMENT DATE: 11/18/14

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