



238 Pillow Street  
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## PRODUCT INFORMATION BULLETIN

### 900MHz MOBILE ANTENNA Thru-Hole or Magnetic Mounted 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 thru-hole or magnetic mounting styles.

#### INSTALLATION – THRU-HOLE MOUNT

1. Locate the highest available point on your vehicle then drill a 3/4" hole and insert the connector assembly into it. Note - remove any metal burrs from the hole to ensure a watertight seal.
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.

#### 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.



#### SPECIFICATIONS

P/N 49-2101 – Thru-Hole Mount	
Frequency	902-928MHz
Gain dB	3
Height	1.4"
Diameter	2.4"
Coax Length	15'
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

#### REPLACEMENT PARTS

NMO Mount Antenna	99-ANT-0011
3/4" Thru-Mount Mounting Assembly w/cable & connector	99-ANT-0017
Magnetic Mounting Assembly w/cable & connector	99-ANT-0015

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