



RM5 Body Mount Antenna

## Body Mount 2.4 GHz Antenna WLAN, ISM & Video Systems

- Mounts easily to roof, trunk or bulkhead
- 5 dBi omnidirectional configuration
- Rugged construction, mounts using high efficiency 3/4" NMO style mount
- "O"ring seal provides watertight use

This new antenna is the flip side to our lower profile 2.5 dBi body mount antenna. Using a collinear configuration, it provides 5 dBi gain and is easy to install. When additional performance is needed, this high gain antenna is an excellent solution.

The design uses a 3/4" NMO style mount for securing to the vehicle. The NMO mount/cable is supplied; it is a specially designed version that provides excellent high frequency performance. Conventional NMO mounts would suffer greatly at these frequencies. The antenna is ground plane dependent, and must be attached to a metal surface.

The antennas are outfitted with 15 feet of LMR-195 cable & TNC, SMA or N male connectors. Other connectors can be supplied where required. The connectors are supplied loose, and would be attached after installation. A crimp tool with appropriate hex die would be required. Upon request, connectors can be pre-installed at the factory (N connectors are supplied loose to ease cable routing/field installation).

The antenna has a .304 stainless steel whip, which offers some flexibility. The base assembly uses an ABS collar with a chrome plated brass base. The bottom base is outfitted with a captured "O" ring for complete sealing.

The 3/4" mounting assembly has a tilt-able assembly that is installed from the top side of the vehicle. An exterior lock ring secures the assembly from the top. The antenna then simply screws onto the mount. The antenna can be removed for overhead obstructions.

### Model Number

Model	Description
RM5-2400T	Antenna with 3/4" Mounting Assembly, coax cable & TNC connector.
RM5-2400N	Antenna with 3/4" Mounting Assembly, coax cable & N connector.
RM5-2400S	Antenna with 3/4" Mounting Assembly, coax cable & SMA connector.

### Specifications

<b>Frequency:</b>	2400-2485 MHz	<b>Mounting:</b>	3/4" NMO Style, specially designed with lock down nut
<b>Gain:</b>	5 dBi max	<b>Cable:</b>	15 feet LMR-195, exits sideways at bottom of 3/4" style mount
<b>VSWR:</b>	2:1 max over range	<b>Connector:</b>	Male TNC, N, or SMA connector supplied loose
<b>Operating Temp:</b>	-40° to +85° C		
<b>Nominal Impedance:</b>	50 ohms		
<b>Maximum Power:</b>	10 watts		
<b>Antenna Whip:</b>	6" L, .304 Stainless Steel		
<b>Base Material:</b>	ABS plastic, with chrome plated brass base assembly		Other connectors or configurations may be available upon request, consult factory