



RM Series -
Black



RM Series -
White



Pole/Wall Adapter



Pole/Wall Adapter

These antennas are industry leading models in our 2.4 & 5 GHz antenna line. The rugged design is excellent for industrial applications, yet attractive for consumer use. Magnetic mount versions offer semi-permanent or noninvasive installation options.

The stud mount design uses a 5/8" (16mm) feed thru or a direct N Jack (Female) for securing to the vehicle. For longer cable runs, lower loss RF-195 cable may be substituted (option).

Antenna performance is 5 dBi (peak gain) for the RM Series, with no ground plane required for proper operation.

The wideband models RM-WHF & MGRM-WHF can operate over the entire frequency range of 1.7-6 GHz. These wideband models can be used for 802.11 a/b/g/n, AWS, WIMAX and 4.9 Public safety, just to name a few.

The RM Series antenna radome consists of Black or White ASA UV resistant plastic with a heavy metal base and threaded feed-thru, or a direct N Jack (Female).

Surface Mount & Mag-Mount 2.4 GHz & Wideband

- Mounts easily to roof, trunk or bulkhead
- Ground plane independent omni configuration
- Rugged and attractive ASA radome, available in thru-hole or mag mount
- Wideband model operates over 1.7-6.0 GHz with excellent linear performance

The MGRM style is a mag mount version of the RM. It utilizes the same housing as the RM series, with a powerful rare earth magnet for secure mobile applications. The magnet bottom is outfitted with a protective vinyl cover, to prevent marring of the vehicle surface.

| Model # | Description | Frequency |
|---|--------------------------------------|-------------|
| RM3-2400-1C-BLK-12 | Pigtail/SMA | 2.4-2.5 GHz |
| RM3-2400-DN-BLK | Direct N | 2.4-2.5 GHz |
| RM-WHF-3C-BLK-12 | Pigtail/SMA | 1.7-6 GHz |
| RM-WHF-DN-BLK | Direct N | 1.7-6 GHz |
| MGRM3-2400-1C-BLK-120 | Mag Mount | 2.4-2.5 GHz |
| MGRM-WHF-3C-BLK-120 | Mag Mount | 1.7-6 GHz |
| <u>Color options available for above models</u> WHT-White or BLK-Black | | |
| RM-MK | Pole/wall mount hardware | |
| NT-MK | Heavy Duty Universal Pole/Wall Mount | |

Specifications

| | |
|----------------------|---|
| Frequency: | See above |
| Gain: | 5 dBi (peak) |
| VSWR: | 2:1 max over range |
| Operating Temp: | -40° to +85° C |
| Nominal Impedance: | 50 ohms |
| Maximum Power: | 10 watts |
| RM3 Radome/Mount: | 1.75" diameter x 3" high (45 mm x 76 mm) |
| MGRM Mag Size: | 1.7" diameter x 3 5/8" high (43 mm x 92 mm) |
| Case Material: | ASA plastic, UV Resistant |
| RM Hardware: | Nut, lockwasher & Gasket |
| Jumper/Cable Option: | Optional, for longer installations or order with custom length |

| | |
|---------------------|--|
| RM Mounting: | 3/4" Long stud (19 mm) 5/8" diameter (16 mm) feed thru for 1/2" thick surface (12.7 mm) |
| RM Options | Pole & Wall Mount adapter |
| DN Stud | Direct N Jack (Female) |
| Cable & Connectors: | |
| 2400 models | RG-58 & SMA Plug (Male) |
| WHF models | RF-195 & SMA Plug (Male) |
| Cable Lengths: | |
| RM models | 1 ft (305 mm) standard |
| MGRM models | 10 ft (3 m) |
| Color Options: | Black or White |
| Shock & Vibration: | EN 61373, IEEE 1478, MIL-810G TIA-329.2-C |
| Dust/Water Ingress: | RM: IP67, MGRM: IPx5 |