



## 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

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).

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	RM Mounting:	3/4" Long stud (19 mm)
Gain:	5 dBi (peak)		5/8" diameter (16 mm) feed thru for 1/2" thick surface (12.7 mm)
VSWR:	2:1 max over range	RM Options	Pole & Wall Mount adapter
Operating Temp:	-40° to +85° C	DN Stud	Direct N Jack (Female)
Nominal Impedance:	50 ohms	Cable & Connectors:	
Maximum Power:	10 watts	2400 models	RG-58 & SMA Plug (Male)
RM3 Radome/Mount:	1.75" diameter x 3" high (45 mm x 76 mm)	WHF models	RF-195 & SMA Plug (Male)
MGRM Mag Size:	1.7" diameter x 3 5/8" high (43 mm x 92 mm)	Cable Lengths:	
	Mag Base, 2 5/8"D (67 mm)	RM models	1 ft (305 mm) standard
Case Material:	ASA plastic, UV Resistant	MGRM models	10 ft (3 m)
RM Hardware:	Nut, lockwasher & Gasket	Color Options:	Black or White
Jumper/Cable Option:	Optional, for longer installations or order with custom length	Shock & Vibration:	EN 61373, IEEE 1478, MIL-810G TIA-329.2-C
		Dust/Water Ingress:	RM: IP67, MGRM: IPx5