



RM Series -
White



Magnet
Mount Version



Trunk Lid
Mount



Direct N
Version

Surface Mount Antenna Wideband 1.7-6.0 GHz

- Mounts easily to roof, trunk or bulkhead
- Ground plane independent omni configuration
- Rugged and attractive ASA radome, available in thru-hole, mag mount or Direct N Female
- Wideband model operates over 1.7 - 6 GHz with excellent linear performance

These antennas lead the industry with efficient, wideband coverage from 1.7-6.0 GHz.

The stud mount style can be mounted to any vehicle, container or bulkhead. The rugged design is excellent for industrial applications, yet attractive for consumer use. Magnetic mount versions offer semi-permanent or noninvasive installation options.

Antenna performance is 3 or 5 dBi gain (frequency dependent) for the RM Series, with no ground plane required for proper operation. The antennas can even be mounted on fiberglass or plastic housing and meet electrical specifications.

The RM Series antenna radome consists of Black or White ASA UV stable plastic with a heavy metal base and threaded feed-thru. The bottom mounting plate is outfitted with a gasket for a watertight seal.

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.

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, 4.9 Public Safety and DSRC.

The stud mount design use a 5/8" (16mm) feed thru for securing to the vehicle. The Direct N version has a Direct N female (Jack). Mag-mounts are provided with 10-feet (3 m) of cable.

Model #	Description	Frequency
RM-WHF-3C-BLK-12	Pigtail/SMA Plug	1.7 - 6 GHz
RM-WHF-DN-BLK	Direct N Jack	1.7 - 6 GHz
MGRM-WHF-3C-BLK-120	Mag Mount	1.7 - 6 GHz
Add "-TM" for Vehicle Trunk Lid Mount		
<u>Color options available for above models</u> WHT-White or BLK-Black		
RM-MK	Pole/wall mount for RM3	
NT-MK	Universal Wall/Pipe adapter	

Specifications

Frequency:	1.7-6 GHz	RM Mounting:	3/4" L stud (19 mm)
Gain:	5 dBi @ 1650-2000 MHz 3 dBi @ 2100-6000 MHz	RM-WHF-DN:	5/8" diameter (16mm) feed thru for 1/2" thick surface (12.7 mm)
VSWR:	2:1 max over range	RM Cable:	Direct N Jack (Female)
Operating Temp:	-40° to +85° C	Pigtail Connector:	RF-195, 1 foot (305 mm)
Nominal Impedance:	50 ohms	MGRM Mag Cable:	SMA Plug (Male), standard
Maximum Power:	10 watts	Jumper/Cable Option:	10 ft (3 m) RF-195 & SMA Plug
RM Radome/Mount:	1.75" diameter x 3" high (45 mm x 76 mm)	RM Series Options:	Use jumpers for longer installation or order with custom length
MGRM Mag Size:	1 6/8" diameter x 3 5/8" high (43 mm x 92 mm)	Shock & Vibration:	Pole & Wall Mount adapter
Case Material:	ASA plastic, UV Stable	Water Ingress:	White radome for RM/MGRM
RM Hardware:	Mag Base, 2 5/8"D (67 mm) Nut, lockwasher		EN 61373, IEEE 1478, MIL-810G TIA-329.2-C
			RM: IP67, MGRM: IPx5