



Dual & Broadband RM/RMM Series



Magnet Mount Version



Pole/Wall Adapter



Direct N Version

These antennas complement Mobile Mark's broad line of antenna products for Cellular applications.

The RM3 Dual Band is a medium profile (3" H, 76 mm) antenna with performance of 3 & 5 dBi max (frequency dependent). A ground plane is required to maximize gain. The antenna radome consists of black ASA UV resistant plastic, with a heavy duty metal base and threaded feed thru, or a direct N version is also available.

The bottom of the RM series is outfitted with a gasket for complete sealing. A mounting nut is provided. Magnetic mount versions, MGRM-900/1900 allow use without drilling a hole.

The RMM-UMB is a broadband version capable of simultaneous operation on worldwide bands from 750 MHz up to 2.7 GHz, with excellent response.

A direct N version is also available along with the standard surface mount.

Surface Mount & Mag-Mount GSM/CDMA & Broadband

- Broadband RMM model for worldwide coverage including UMTS & 802.11b/g
- Rugged Stud mount uses 5/8" hole (16 mm)
- Flexible seal provides watertight use
- The benchmark for PTCRB certifiable systems

Model #	Description
RM3-900/1900-1C-BLK-12	Dual Band US GSM/CDMA
RM3-900/1900-DN-BLK	Dual Band US GSM/CDMA
RM3-925/1800-1C-BLK-12	EU GSM/DCS-1800
RM3-925/1800-DN-BLK	EU GSM/DCS-1800
RMM-UMB-1C-BLK	Broadband US/EU Cellular
RMM-UMB-DN-BLK	Broadband US/EU Cellular
MGRM-900/1900-1C-BLK-120	Mag Mt US GSM/CDMA
MGRM-925/1800-1C-BLK-120	Mag Mt EU GSM/DCS
MGRM-UMB-1C-BLK-120	Mag Mt US/EU Broadband
Add "-TM" for Vehicle Trunk Lid Mount Option	
<u>Color options available for above models</u> WHT-White or BLK-Black	
RM-MK	Pole/wall mount for RMs w/ ground plane
NT-MK	Universal Pole/wall mount (L-Bracket)

Specifications

Frequency:	900/1900 MHz	824-894 & 1850-2170 MHz	DN Stud:	Direct N Jack (Female)
	925/1800 MHz	870-960 & 1710-2170 MHz	RM Mounting Stud:	5/8" (16 mm) diameter feed thru,
	UMB	750-1250, 1650-2700 MHz		3/4" long thread for 1/2" metal (19 mm long for 12.7 mm metal)
Peak Gain:	GSM/CDMA Models	3 dBi @ 824-960 MHz	RM Hardware:	Mounting nut included
		5 dBi @ 1710-2170 MHz	RM Cable:	RG-58, 1 foot (304 mm)
	Broadband Models	3 dBi @ 750-1250 MHz	Pigtail Connector:	SMA Plug (Male)
		5 dBi @ 1650-2000 MHz	Pole/wall Option:	RM-MK mount for RM3/RMM
		3 dBi @ 2100-2700 MHz	MGRM Mag Size:	1.7" diameter x 3.6" high (43 mm x 92 mm)
VSWR:		2:1 max over range	MGRM Mag Cable:	Mag Base, 2.6"D (67 mm)
Operating Temp:		-40° to +85° C		10 ft (3 m) RG-58 & SMA
Nominal Impedance:		50 ohms	Shock & Vibration:	EN 61373, IEEE 1478, MIL-810G
Maximum Power:		10 watts		TIA-329.2-C
RM3/RMM Size:		1.7" diameter x 3" high (43 mm x 76 mm)	Dust/Water ingress:	RM:IP67; MGRM:IPx5
Case Material:		ASA plastic, UV Resistant		