



Dual & Broadband RM/RMM Series



Pole & Wall mount adapter for RM Series



Mag Mount Versions MGRM Series



Direct N Jack (Female)

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

These new 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 or 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.

Model Number

Model	Description
RM3-900/1900-1C-BLK	Dual Band US GSM/CDMA
RM3-900/1900-DN-BLK	Dual Band US GSM/CDMA
RM3-925/1800-1C-BLK	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	Mag Mt US GSM/CDMA
MGRM-925/1800-1C-BLK	Mag Mt EU GSM/DCS
MGRM-UMB-1C-BLK	Mag Mt US/EU Broadband

Color options available for above models
WHT-White or BLK-Black

RM-MK	Pole/wall mount for RM's
NT-MK	Universal Pole/wall mount

Specifications

Frequency:

900/1900 MHz	824-894 & 1850-2170 MHz
925/1800 MHz	870-960 & 1710-2170 MHz
UMB	750-1250, 1650-2700 MHz

Peak Gain:

GSM/CDMA Models	3 dBi @ 824-960 MHz
	5 dBi @ 1710-1990 MHz
Broadband Models	3 dBi @ 750-1250 MHz
	5 dBi @ 1650-2000 MHz
	3 dBi @ 2100-2700 MHz

VSWR:

2:1 max over range

Operating Temp:

-40° to +85° C

Nominal Impedance:

50 ohms

Maximum Power:

10 watts

RM3/RMM Size:

1.7" diameter x 3" high
(43 mm x 76 mm)

Case Material:

ASA plastic, UV Resistant

DN Stud:

Direct N Jack (Female)

RM Mounting Stud:

5/8" (16 mm) diameter feed thru
3/4" long thread for 1/2" metal
(19 mm long for 12.7 mm metal)

RM Hardware:

Mounting nut included

RM Cable:

RG-58, 1 foot (304 mm)

Pigtail Connector:

SMA Plug (Male)

Pole/wall Option:

RM-MK mount for RM3/RMM

MGRM Mag Size:

1.7" diameter x 3.6" high
(43 mm x 92 mm)

Mag Base, 2.6"D (67 mm)

MGRM Mag Cable:

10 ft (3 m) RG-58 & SMA

Shock & Vibration:

EN 61373, IEEE 1478, MIL-810G
TIA-329.2-C

Dust/Water ingress:

RM:IP67; MGRM:IPx5