

Surface Mount & Mag-mount GSM/CDMA & Broadband



Dual & Broadband
RM/RMM Series



Mag Mount Versions
MGRM Series



Pole & Wall mount
adapter for RM Series

These new antennas complement Mobile Mark's broad line of antenna products for Cellular applications. These antennas can be mounted to any vehicle, container or bulkhead.

The RM/RMM Stud mount designs use a 5/8" (16 mm) stud for securing to the surface. Access to the underside of the body surface is required to complete the installation.

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. 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.

- 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

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. It is housed in the same rugged radome style as the RM3 dual band.

Model Number

Model	Description
RM3-900/1900	Dual Band US GSM & CDMA
RM3-925/1800	Dual Band EU GSM & DCS-1800
RMM-UMB-1C	Broadband US Cellular & EU GSM

MGRM-900/1900	Mag Mount RM3 for US GSM/CDMA
MGRM-925/1800	Mag Mount RM3 for EU GSM/DCS
MGRM-UMB-1C	Mag Mount RMM for Broadband use

RM-MK Pole/wall mount for RM3/RMM
Stud mount antennas are supplied with standard 1 foot (304 mm) cable & SMA Male. Longer cable lengths & other connectors available, request at time of order.

Specifications

Frequency:

US GSM/CDMA	900/1900 MHz
EU GSM/DCS & ISM	925/1800 MHz
Broadband	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

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:

EN61373, IEEE 1478, MIL-810G
TIA-329.2-C

Water Ingress:

IPx7 (When properly mounted)