

## Surface Mount Antenna Wideband 433 MHz



RM Series -  
 White



RM Series -  
 Black

- Operates on a 12" (30 cm) metal groundplane
- Rugged and attractive ASA radome
- Available with BNC interface

These antennas lead the industry with efficient, wideband coverage at 433 MHz.

The stud mount style can be mounted to any vehicle, container or bulkhead. The rugged design is excellent for industrial applications.

Antenna performance is unity gain (0 dBi) for the RM-433 Series, and a 12 inch (30 cm) metal groundplane is required for the best possible performance.

The RM Series antenna radome consists of Black or White ABS 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 stud mount design use a 5/8" (16mm) feed thru for securing to the vehicle.

The RM series has a small foot print of 3.10" (78 mm) high x 1.69" (43 mm) diameter. This makes mounting the antenna simple and easy on the surface, especially where space is an issue. Even though it has a small foot print, the antenna has been designed to maximize its performance.

The RM series have been tested to and have passed a series of shock and vibration tests, as well as water ingress testing. These tests include IP67 water ingress testing and MIL-810G shock and vibration.

Standard size jumper cables for completing the installation can be ordered separately. Mobile Mark's jumper cables are also Made-in-the-USA, using the same high quality cable that is used in our antennas. Alternatively, the antenna can be supplied with a longer integral cable.

Model #	Description	Frequency
RM-433-1G-BLK-12	BNC Plug	433 MHz
<u>Color options available</u> WHT-White or BLK-Black		

Specifications			
Frequency:	433 MHz	Standard Connector:	BNC Plug
Gain:	Unity (0 dBi)	Hardware:	Lockwasher and nut included
VSWR:	2:1 max over range	RM Cable:	RG-58, 12" (30 cm)
Operating Temp:	-40° to +85° C	Jumper/Cable Option:	Use jumpers for longer installation or order with custom length
Nominal Impedance:	50 ohms	RM Color Options:	White or black radome for RM
Maximum Power:	10 watts	Shock & Vibration:	EN 61373, IEEE 1478, MIL-810G
RM Radome/Mount:	1.7" diameter x 3.1" high (43 mm x 78 mm)	Water Ingress:	TIA-329.2-C
Weight:	6.5 oz (184g)		RM: IP67
Case Material:	ABS plastic, UV Stable		
RM Hardware:	Nut, lockwasher		
RM Mounting:	3/4" L stud (19 mm)		
	5/8" diameter (16 mm) feed thru for 1/4" thick surface(6.35 mm)		