



Mobile Mark's Magnet Mount GPS Antenna complements our other full range of GPS mobile antennas with a convenient and portable mounting option. The magnet mount style allows the antennas to be moved from from car-to-car, and its small size makes it easy to transport.

The antenna design is very small, less than 2 inches (5 cm) overall, but powerful. The magnet can be attached to roof, hood or trunk of any metal vehicle or flat surface. The cable would then be routed to the GPS receiver, typically through a vehicle window.

The antenna provides durability and weatherproofing, using a sealed polycarbonate case. When not in use, the antenna can easily be removed.

Although the antenna could be mounted on any surface, the antenna should ideally be placed on metal at least 5" (127 mm) across. This will provide the maximum GPS operation.

GPS performance is provided by a 26 dB low noise amplifier, with 5 dBi of antenna gain. Power required for the GPS amplifier is either 2.7 or 5 VDC. The power is supplied through the cable along with the GPS signal. Most GPS receivers will provide the needed power for the amplifier circuit without modifications.

The antenna is rated IPx5 for water ingress protection.

## GPS-Only Magnet Mount (MAG Series)

- Magnet version mounts easily to roof or trunk of vehicle.
- High gain 26 dB active amplifier with low noise characteristics
- Very small foot print; less than 2 x 2 inches
- Low profile cabling with choice of connector style

The standard cable supplied with the Magnet Mount antenna is 10 feet (3 meters) of RG-174. Standard connector supplied is an SMA Plug (Male).

Different connectors and cable lengths can be supplied if requested, please consult your sales representative for availability.

Additional Mobile Mark GPS antennas include Surface Mount and Window Mount. MultiBand antennas that combine GPS with other wireless applications are also available in a wide variety of mounting styles.

Model #	Description		
MAG-1575-2C-BLK-120 MAG-1575-2C-WHT-120	Magnetic Mount GPS, Black Magnetic Mount GPS, White		
Color options available for above models WHT-White or BLK-Black			

Specifications				
Frequency:	1575.42 +/- 4 MHz	Cable Type:	RG-174, 10 feet (3 meters)	
GPS Gain:	26 dB LNA			
	5 dBi nominal RHCP Antenna	Case/Mount:	1.75"W x 2.0"L x 0.56" H	
			(4.5 cm x 5 cm x 1.5 cm)	
VSWR:	2:1 max over range	C . W		
Noise Figure:	2.0 dB max	Case Material:	Black or White, Polycarbonate	
		Connector:	SMA Plug (Male) standard.	
Operating Temp:	-40° to +85° C	comicción.	SMA Plug (Male) standard, others available on request	
Nominal Impedance:	50 ohms		·	
Amplifier Bias:	2.7 to 5 VDC	Water Ingress:	IPx5	
Current:	20 mA max, 10 mA typical			