



Magnetic Mount
GPS Antenna

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
- Small foot print; less than 2 x 2 inches
- Low profile cabling with choice of connector style

Mobile Mark's GPS Magnet Mount Antennas complements Mobile Mark's full range of GPS Mobile antennas with a convenient and portable mounting option. The magnet mount style allows the antennas to be moved 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 still contains a small powerful magnet. The magnet can be attached to the 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. 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 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 including additional Mag-mount options.

Model #	Description
MAG-1575-2C-BLK-120	Magnetic Mount GPS, Black
MAG-1575-2C-WHT-120	Magnetic Mount GPS, White
<u>Color options available for above models</u> 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	Case Material:	Black or White, Polycarbonate
Noise Figure:	2.0 dB max	Connector:	SMA Plug (Male) standard, others available on request
Operating Temp:	-40° to +80° C	Water Ingress:	IPx5
Nominal Impedance:	50 ohms		
Amplifier Bias:	2.7 to 5 VDC		
Current:	20 mA max, 10 mA typical		