

## Magnet Mount Multi-band 2.4, 4.9-6 GHz & GPS



Mag Mount for 2.4 & 5 GHz Bands

- Mounts easily to most steel surfaces
- High performance GPS with 26 dB active amplifier (2.7 to 5 VDC)
- Discreet low profile antenna (under 2 inches)
- Operates 2.4/5 GHz & 4.9 Public Safety

This multiband Mag mount antenna integrates several broadband/data networks with GPS. The antenna operates on 2.4 WiFi, 5 GHz WiFi, and GPS. The antenna will also operate on 2.4 Video Surveillance, and 4.9 GHz for Public Safety broadband. The antenna is excellent for any application needing a nonpermanent stealthy antenna.

The design uses a powerful low profile magnet, and has a 3.75" diameter (95 mm) base with a removal lip. The antennas are outfitted with 10 feet (3 meters) of cable standard. Low Loss RF-195 cable is used for 2.4 - 6 GHz and RG-174 cable is used for the GPS feed.

A variety of connector configurations are available. Please consult factory for special lengths or connectors not shown below.

GPS performance is 26 dB LNA, with 5 dBi nominal RHCP antenna gain. The GPS circuit has a low noise figure (2.0 dB max) with excellent filter characteristics.

The dome portion of the antenna measures 3.75" D x 1.9" H total (95 mm x 48mm). It is made of weatherproof ASA Resin, which is a strong, durable outdoor material with UV stable properties. The bottom of the antenna provides surface scratch resistance using a vinyl contact gasket.

**Model Configurator**

MGD-2400/5500----

Cable/Connector 1

Cable/Connector 2

Color

Cable Length in Inches (eg. 12 or 120)

Example: MGD-2400/5500-3C2C-BLK-120

Cable Options:		Connector Options:		Color Options:	
Code	Cable	Code	Connector	Code	Color
1	RG-58	A	TNC	WHT	White
2	RG-174	B	Mini UHF	BLK	Black
3	RF-195	C	SMA		
		D	SMB		
		E	MCX		

(Other Configurations available.)

### Specifications

<b>Frequency:</b>	
2.4 Band	2.4 - 2.5 GHz
4.9 Public Safety	4.9 - 5 GHz
5 GHz Broadband	5 - 6 GHz
GPS	1575.42 +/- 2 MHz
<b>2.4 - 6 GHz Gain:</b>	2.5 dBi
<b>GPS Gain:</b>	26 dB LNA
	5 dBi nominal RHCP, Antenna
<b>VSWR:</b>	2:1 max over range
<b>Noise Figure:</b>	2.0 dB max, 1.7 dB typical
<b>Nominal Impedance:</b>	50 ohms
<b>Operating Temp:</b>	-40° to +80° C
<b>Maximum Power:</b>	10 Watts
<b>Amplifier Bias:</b>	2.7 to 5 VDC
<b>Current:</b>	20 mA max, 10 mA typical

<b>Cable:</b>	
Cable 1 (2.4/4.9-6 GHz)	RF-195, 10 ft (3 meters)
Cable 2 (GPS)	RG-174, 10 ft (3 meters)
<b>Case:</b>	3.75"D x 1.9"H
	(95 mm x 48 mm)
<b>Case Material:</b>	ASA
<b>Connector:</b>	SMA/SMA standard, others available
<b>Shock &amp; Vibration:</b>	EN 61373, IEEE 1478