



Mag Mount for 2.4 & 5 GHz Bands

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

- 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-W15----  
Cable/Connector 1   
Cable/Connector 2   
Color   
Cable Length in Inches (eg. 12 or 120)

Example: MGD-W15-3C2C-BLK-120

#### Cable Options:

Code	Cable
1	RG-58
2	RG-174
3	RF-195

#### Connector Options:

Code	Connector
A	TNC
B	Mini UHF
C	SMA
D	SMB
E	MCX

#### Color Options:

Code	Color
WHT	White
BLK	Black

(Other Configurations available.)

### Specifications

Frequency:	
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
2.4 - 6 GHz Gain:	2.5 dBi
GPS Gain:	26 dB LNA
	5 dBi nominal RHCP, Antenna
VSWR:	2:1 max over range
Noise Figure:	2.0 dB max, 1.7 dB typical
Nominal Impedance:	50 ohms
Operating Temp:	-40° to +85° C
Maximum Power:	10 Watts
Amplifier Bias:	2.7 to 5 VDC
Current:	20 mA max, 10 mA typical

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