



DM2 "Dome" Antenna

MGD-3500
 Magentic Mount

Surface Mount & Mag-Mount WiMAX 3.4-3.7 GHz

- Mounts easily to roof, trunk or bulkhead
- Ground plane independent omni configuration
- Stud Mount model DM2 is rugged and attractive, mounts to 5/8" hole (16 mm)

These new antennas form the core of our 3.5 GHz mobile antenna product line. The DM Series body mount style antennas can be mounted to any vehicle, container or bulkhead. The rugged style is excellent for industrial applications, yet attractive for consumer use.

Models are available in a stud mount (DM) or Mag Mount (MGD, dual band only).

The stud mount DM design use a 5/8" feed thru (16 mm) for securing to the vehicle. Access to the underside of the body surface is required to complete the installation.

The DM Series antennas are typically outfitted with 1 foot of RF-195 cable (30 cm) & an SMA Plug (Male) connector. Jumper cables for completing the installation are supplied separately. Alternatively, a longer integral cable can be supplied upon request.

The antenna radome consists of white or black ASA UV resistant plastic and threaded stud for mounting. The bottom mounting plate has a sealing gasket for a watertight seal. A mounting lock nut and washer are also supplied for securing

both style of antennas.

Antenna performance is 2.0 dBi with no ground plane required. The antennas can even be mounted on fiberglass or plastic housing.

The MGD Magnetic mount is a low profile, only 1.9" High (48 mm). The radome is white or black ASA, with a built in grab lip for removal. The mounting magnet base is only 3.75" diameter (95 mm), yet is strong and secure.

The MGD Seires mag-mount is typically supplied with 10 ft of low loss RF-195 cable (3 meters), and outfitted with an SMA connector.

Model #	Description
DM2-3500-3C-WHT-12	Low Profile "Dome"
MGD-3500-3C-BLK-120	Magnet Mount "Dome"
<u>Color options available for above models</u> WHT-White or BLK-Black	
Additional cable assemblies can be requested at time of order.	

Specifications			
Frequency:	3400 - 3700 MHz	Antenna Size:	
Gain:	2.5 dBi max	DM2-3500	3" diameter x 1.5" high (76 mm x 38 mm)
VSWR:	2:1 max over range	MGD-3500	3.75"D x 1.9"H (95 mm x 48 mm)
Operating Temp:	-40° to +85° C	Mounting:	
Nominal Impedance:	50 ohms nominal	DM2-3500	5/8" diameter (16 mm) feed thru for up to 3/8" thick sur. (9.5 mm)
Maximum Power:	10 Watts	MGD-3500	Magnetic mount
DM2 Case Material:	ASA plastic, UV Resistant	Shock & Vibration:	
MGD Case Material:	ASA plastic & metal	DM2	EN61373, IEEE 1478, MIL-810G TIA-329.2-C
Hardware Supplied:	Lock nut & gasket for DM2, no hardware needed for MGD	Water Ingress:	
Connector:	SMA Plug (Male) Standard	DM2	IPx5
Cable Options:	Jumpers or longer integral cable		
Cable:			
DM2-3500	RF-195, 1 foot (305 mm)		
MGD-3500	RF-195, 10 ft (3 meters)		