



DM2 "Dome" Antenna



MGD-3500
Magentic Mount

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.

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)
- Mag Mount model MGD provides portability

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 (16mm) feed thru for up to 3/8" thick surface (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 | EN 61373, 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) | | |