



**Series 9900 Wireless Intercom System**  
 Remote Magnetic Mount Antenna  
 For Use with U9922-G38 & U9921-GUV  
 (Part No. 40688G-93)



**40688G-93: Remote Mag Mount Antenna**

**DESCRIPTION**

The Series 9900 Wireless Intercom System is the perfect solution for wireless intercom communications in demanding environments, such as fire/rescue apparatus, EMS vehicles, Command and Control vehicles, well-fracturing vans, paint strippers, or any application requiring robust, reliable and secure communications in and around high-noise areas.

The 40688G-93 Remote Antenna Kit consists of a robust NMO-mount, multi-band, true field diversity antenna and a turnkey coaxial cable assembly with 3/4" magnetic mount for flexible or temporary installation requirements on metal surfaces.

The antenna's true field diversity design ensures uninterrupted transmissions in urban canyons and rural drop-off areas, and counteracts signal fading in reflective or mobile environments.

FREQUENCY RANGE/BAND	ANTENNA GAIN (PEAK)
806-896MHz/Cellular/iDEN	5.9 dBi
890-960MHz/GSM Europe	5.8 dBi
1575.42MHz/GPS	5.1 dBi
1710-1880MHz/1700 AWS; DCS Europe	4.2 dBi
1850-1990MHz/PCS	4.2 dBi
1900-2170MHz/UMTS	4.2 dBi
2110-2155MHz/1700 AWS	4.4 dBi
2.4-2.5GHz/WiFi	3.0 dBi

**FEATURES AND BENEFITS**

- NMO-mount design antenna
- 3dB MEG gain, outperforms 3dB whip antennae in many applications
- Solid construction; direct injection-molded ABS material surrounding solid brass insert and all silver soldered joints
- Specified by public safety, military, utility and transportation providers and installed on Apache, Black Hawk and Chinook helicopters and Humvee and Bradley military vehicles around the world.
- Magnetic mount with 12 foot ATX-195 coaxial cable assembly
  - RPSMA connector for Gateway connection on one end
  - 3/4" type magnetic mount for antenna connection on other end
  - Center conductor: solid BC
  - 0.195" O.D., Black polyethylene outer cable jacket
  - Nominal cable capacitance: 24.3 pF/ft
  - Nominal impedance: 50.0 ohm
  - Nominal velocity of propagation: 85%
  - Attenuation 150MHz per 100 ft.: 4.40 dB
  - Attenuation 450MHz per 100 ft.: 7.80 dB
  - Attenuation 900MHz per 100 ft.: 11.10 dB

**TECHNICAL DATA**

<b>Impedance</b>	50 Ohms
<b>Antenna Gain (Peak)</b>	3dB-MEG
<b>Radiation</b>	Omni
<b>Polarization</b>	Cross Polarized
<b>Ground Plane</b>	Metal Ground Plane Required (6.5" diameter)
<b>Height</b>	2.3"
<b>Width</b>	1.438"
<b>Color</b>	Black
<b>Mount</b>	Magnetic (3-1/4" mag. diameter)
<b>Connector</b>	NMO (3/4" hole)

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