



Series 9900 Wireless Intercom System

Remote Permanent Mount Antenna
For Use with U9922-G38 & U9921-GUV
(Part No. 40688G-96)



40688G-96: Remote 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-96 Remote Antenna Kit consists of a robust N-type, multi-band, true field diversity antenna and a turnkey coaxial cable assembly for quick and simple installation.

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

- N-type, female, permanent mount design
- 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.
- 17 foot ATX-195 coaxial cable assembly
 - RPSMA connector for Gateway connection on one end
 - N-male connector 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

Impedance	50 Ohms
Antenna Gain (Peak)	3dB-MEG
Radiation	Omni
Polarization	Cross Polarized
Ground Plane	Metal Ground Plane Required (6.5" diameter)
Height	2.3" (3.15" including mount)
Width	1.438"
Color	Black
Mount	Permanent (metal surface)
Connector	N/Female

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