

Broadband, Magnet Mount & Trunk Lid Mobile Antennas 2.4-6.0 GHz



ECOM
Magnet Mount

ECOT
Trunk Lid Mount

Mobile Mark's ECO Mobile series are high frequency antennas designed for new technology applications in the 2.4 - 6 GHz bands. There are individual models for the most popular systems: Video streaming at 2.4 GHz, Public Safety 4.9 GHz, Broadband and DSRC 5.9 GHz.

These antennas are free space designs and ground plane independent. High gain coupled with low loss cable compensates for the losses that occur at higher bands.

All antennas use low loss RF-195 cable to improve efficiency. The vertical radomes are black fiberglass with an ASA base assembly. All antennas are weatherproof.

The magnetic mount models have a 2.6" (66 mm) base, and use a strong commercial magnet. They provide a scratch resistant covering on the bottom. The cable exits out of the side of the base.

Special "TEF" elevated feed versions are available. These models have the radiating element located higher in a longer radome, providing higher clearance for lightbars on police vehicles.

Trunk lid units mount securely to vehicle trunk lip with set screws. An allen wrench is provided for attaching the mount. A cable guide routes the cable around the mounting bracket and through the trunk molding into the vehicle, where the radio is typically located.

- Magnetic Mount and Trunk Lid Mount
- Ground plane independent designs can be used on any surface
- Ideal for Public Safety applications in a variety of frequencies
- Elevated Feed Magnetic versions provide additional clearance for light bars

Model #	Gain	Height
<u>Magnetic Mount Models</u>		
ECOM5-2400-3C-BLK-120	5 dBi	12.0in/31cm
ECOM6-3500-3C-BLK-120	6 dBi	14.0in/36cm
ECOM6-4900-3C-BLK-120	6 dBi	10.0in/26cm
ECOM9-4900-3C-BLK-120	9 dBi	14.0in/36cm
ECOM6-5500-3C-BLK-120	6 dBi	10.0in/26cm
ECOM9-5500-3C-BLK-120	9 dBi	14.0in/36cm
<u>Magnetic Mount Elevated Feed Models</u>		
ECOM6-4900TEF	6 dBi	14.5in/37cm
ECOM6-5500TEF	6 dBi	14.5in/37cm
<u>Trunk Lip Mount Models</u>		
ECOT5-2400PT-3C-BLK-180	5 dBi	12.0in/31cm
ECOT6-3500PT-3C-BLK-180	6 dBi	15.0in/38cm
ECOT6-4900PT-3C-BLK-180	6 dBi	11.5in/29cm
ECOT9-4900PT-3C-BLK-180	9 dBi	15.0in/38cm
ECOT6-5500PT-3C-BLK-180	6 dBi	11.5in/29cm
ECOT9-5500PT-3C-BLK-180	9 dBi	15.0in/38cm
Models above are available in Black Only		

Specifications

Frequency:		Base/Mount:	ASA plastic & steel
2400	2.4-2.5 GHz	MAG Base Size:	2.6" D (66 mm)
3500	3.4-3.7 GHz	Trunk Mount Size:	1"H x 3"L x 2.75"W (25 mm x 76 mm x 70 mm)
4900	4.8-5.0 GHz	Trunk Mount Method :	Dual set screws, allen wrench supplied
5500	5.0-6.0 GHz	Cable Length/type:	
Gain:	See above	Mag Mounts	10 ft of RF-195 (3 meters)
VSWR:	2:1 over band	Trunk lid Mounts	15ft of RF-195 (4.6 meters)
Impedance:	50 Ohm nominal	Connector:	SMA Plug (Male), standard
Maximum Power:	10 Watts	Shock & Vibration:	EN 61373, IEEE 1478, MIL-810G TIA-329.2-C
Operating Temp:	-40° to +85° C		
Radome:	Black Fiberglass		