



ECOM
Magnet Mount



ECOT
Trunk Lid Mount

Broadband, Magnet Mount & Trunk Lid Mount Mobile Antennas, WiFi 2.4 & 5 GHz

- Magnetic Mount and Trunk Lid Mount
- Ground plane independent designs can be used on any surface.
- Models available with 5 dBi - 9 dBi gain
- Elevated Feed versions provide additional clearance for light bars

Mobile Mark's new ECO Mobile series are high frequency antennas designed for new technology applications in the 2.4 - 6 GHz bands. The 5 GHz model, can also be used for DSRC 5.9 GHz.

These antennas are free space designs and ground plane independent. As such the antennas will continue to perform electrically on any surface, including fiberglass.

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 cable lengths vary by antenna style: 10-feet (3 m) for mag-mounts and 15-feet (4.5 m) for trunk-lid mounts. The vertical radomes are black fiberglass with an ASA base assembly.

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. This model is only available as a mag-mount.

Trunk lid units mount securely to vehicle trunk lip with set screws. An allen wrench is provided for attaching the trunk lid 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.

Model #	Gain	Height
Magnetic Mount Models		
ECOM5-2400-3C-BLK-120	5 dBi	12.0in/30cm
ECOM6-5500-3C-BLK-120	6 dBi	10.0in/25cm
ECOM9-5500-3C-BLK-120	9 dBi	14.0in/36cm
Magnetic Mount Elevated Feed Models		
ECOM6-5500TEF-3C-BLK-120	6 dBi	14.5in/30cm
Trunk Lip Mount Models		
ECOT5-2400PT-3C-BLK-180	5 dBi	12.0in/31cm
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:	2400 5500	2.4-2.5 GHz 5.0-6.0 GHz
Gain:		See above
VSWR:		2:1 over band
Impedance:		50 Ohm nominal
Maximum Power:		10 Watts
Operating Temp:		-40° to +85° C
Radome:		Black Fiberglass
Base/Mount:		ASA plastic & steel
MAG Base Size:		2.6" D (66 mm)

Trunk Mount Size:	1"H x 3"L x 2.75"W (25 mm x 76 mm x 70 mm)
Trunk Mount Method :	Dual set screws, allen wrench supplied
Cable Length/type:	Mag Mounts Trunk lid Mounts
	10 ft of RF-195 (3 meters) 15ft of RF-195 (4.5 meters)
Connector:	SMA Plug (Male), standard
Shock & Vibration:	EN 61373, IEEE 1478, MIL-810G TIA-329.2-C