

Model ANT-434D-GIS

Ground Independent
UHF Mobile Antenna
434 MHz
2.1 dBi gain

The **ANT-434D-GIS** mobile antenna is a ground independent design ideally suited for use where no metal ground plane exists, or where the ground plane is not of sufficient area to allow a normal quarter wave whip to be mounted.

Factory tuned for 434 MHz with 2.1 dBi gain, this highly flexible whip stands 420 mm tall.

The delrin, copper, nylon and chromed brass construction provides an extremely robust and durable antenna capable of surviving the harshest of conditions and treatment.

4 metres of RG58 stranded cable bottom exits through the antenna base. An SMA male connector is fitted to the cable.

SPECIFICATIONS	ANT-434D-GIS
Construction	Delrin, copper, nylon, chromed brass
Frequency	434 MHz
Tuning	Factory
VSWR	Better than 1.5:1
Gain	2.1 dBi
Maximum Power	50 Watts
Impedance	50 Ohms
Height	420 mm
Cable	4 metres of RG58 stranded cable bottom exits through the base
Connector	SMA Male fitted to the cable
Mounting	Stud mount to any bracket with 10 mm minimum diameter hole



Mounting is to any bracket with a 10 mm minimum diameter hole using the stainless steel nut and washer on the base ferrule. Typical mounting positions are to a truck mirror, vehicle gutter, guard or boot.

It is important to have the antenna as far away from other antennas or metallic objects as possible to avoid distortion of the omnidirectional pattern and interference. At least 350 mm side clearance is desirable, preferably more. The antenna must be vertical for best performance, not mounted at an angle.

Route the cable carefully via the shortest possible route. Ensure that the cable is not stretched excessively and there are no sharp kinks. Use cable ties, but do not pull so tight as to crush the cable. A damaged feeder cable is a cause of high VSWR and reduced performance.

