

LAND MOBILE UHF CB & CELLULAR ANTENNAS



www.benelec.au

YEARS

OF SERVICE

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EST. 1978 🗸

3dB

3dB

6.5dB



Gain describes the shape of the radiation from an antenna. We recommend the use of a lower gain antenna for the communications in vehicle convoy situations.

6.5 dBi Antenna

More commonly used, all-around performance, better for open flat terrain.

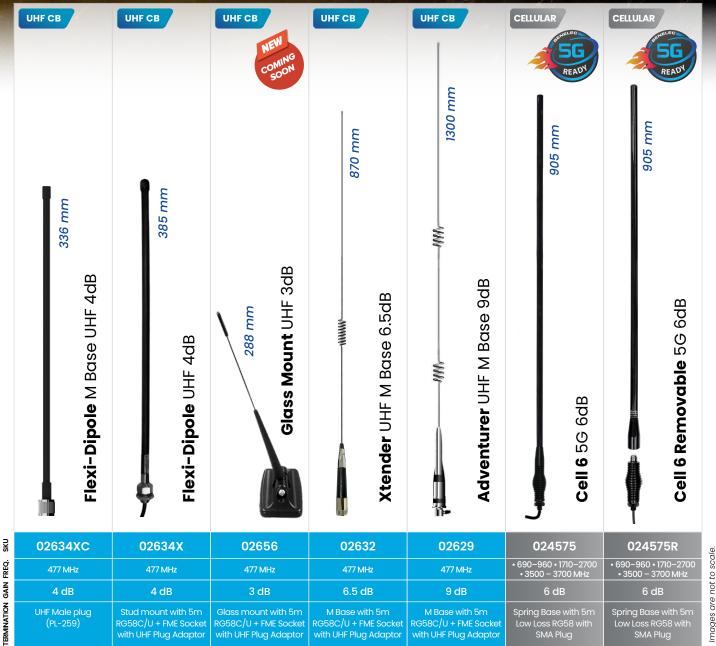
3 dBi Antenna

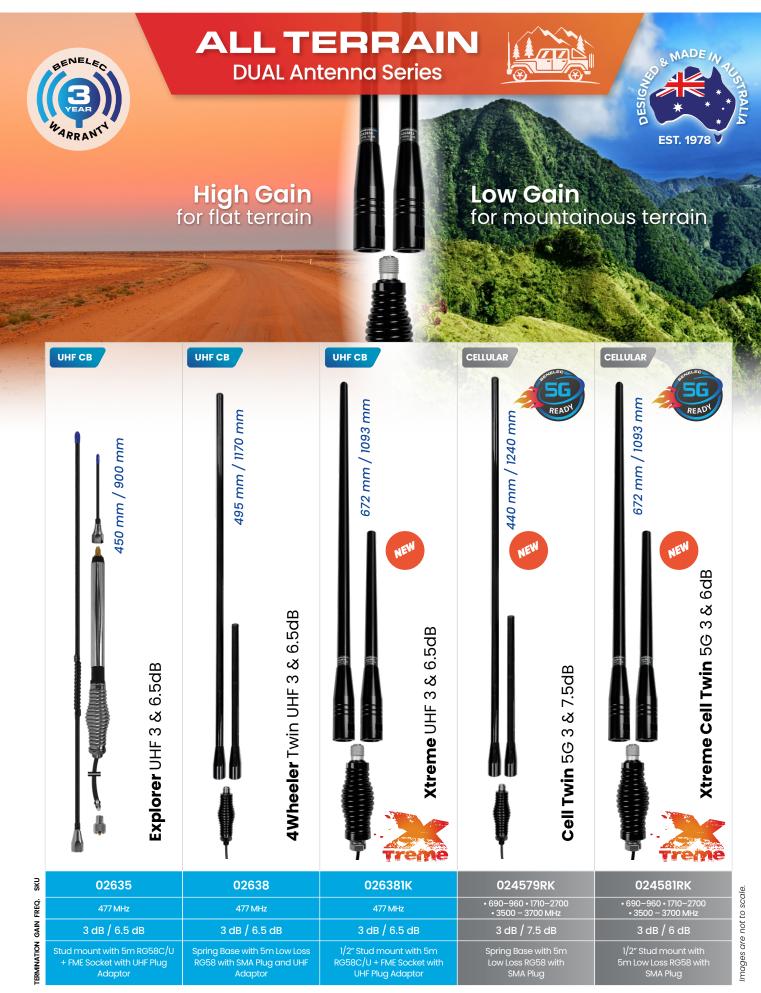
(i)

Great for hilly and mountainous terrains, as well as city driving.

We recommend the use of a lower gain antenna for the communications in vehicle convoy situations.

6.5dB





Adjustable Lip Bracket

SKU: 027303

Wrap Around Bracket 63mm

SKU: 027315

Heavy Duty Gutter Bracket

SKU: 02726S





Mirror Bracket SKU: 02728



Wrap Around Bracket 50mm SKU: 027314



Fold Down Gutter Bracket SKU: 02714S

GPI Radiating Patterns

Ground Plane Independent (GPI) antennas can be mounted anywhere on the vehicle. These antennas work independently of the vehicle body, and as such they provide consistent performance all the way around the antenna.



Mounting Tips & Advice

- For better performance locate the antenna higher on the vehicle.
- Brackets and antenna mountings are to be secured properly. • Antennas must be mounted vertically, this is particularly
- important with higher gain antennas.
- · Avoid affixing any object to the antenna as it could affect the performance of the communications system.
- · Ground Plane antennas need to be fitted direct to vehicle panels, as bracket mounting will compromise the performance
- Do not mount antennas close to each other. Min distance should be 70cm between antennas. The further apart the two antennas, the better the performance of each respective antenna.
- Do not mount antennas closer than 70cm to any metal vertical surface.
- Do not mount antennas operating on the same band, at the same horizontal level unless a switch selects them.



Z Bracket Guard Mount SKU: 02734



SKU: 02732



UHF Switch - 1 in x 2 out SKU: 1738101B



Super Sucker Mag Base Kit SKU: 027423



Standard Bull Bar Bracket Ultra Heavy Duty Fold Down BB Mount SKU: 027323



M Base 5m RG58 to FME socket SKU: 10109

Connector Advice

We recommend to add a thread locking adhesive (eg Loctite 242 Blue - Threadlocker Medium Strength) at the interface between the cable connector (FME socket) and the UHF plug adaptor as it's possible for this connection to vibrate loose over time.

Exposed connectors should be sealed with self amalgamating tape such as Benelec P/N 5052219BK or equivalent.

Cable Advice

Care must be taken to not damage, cut or crush the coaxial cable when routing it to the transceiver through a vehicle. We recommend to seal any points where the cable enters the vehicle.

Available from:



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