
ARTICLE - EXTERNAL ANTENNA

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Introduction

Mobile coverage limitations

Whether you use your mobile phone for business or just to stay in touch with family and friends, you will know only too well how frustrating it can be when you lose mobile coverage. Often as a result you will also have to put up with missing bits of speech and sudden dropped calls. These days we expect 100% reliable service and can't afford not to keep in touch.

External antennas

Unlike Europe and other parts of the world, mobile coverage is not continuous throughout New Zealand and many mobile users on the edge of cell boundaries can't use their mobile phone. However, with an external antenna attached to your mobile phone you can now benefit from far better service quality and coverage range. You will be able to drive further on the mobile network and enjoy clearer reliable communication in your home.

Benefits of External Antennas

- **Increased availability**

With an external antenna you will stay connected to the mobile network longer because it gives you significantly better signal range.

- **Increased mobility**

With an external antenna fitted to your home or office you will be able to enjoy clear reliable mobile service, even if you are on the edge of network coverage. You can also fit an external antenna to your car, boat, caravan or holiday batch, keeping you more mobile.

- **Increased safety**

Are you worried about radio emissions from your mobile? Well now there is no longer need for concern! An external antenna fitted to your mobile eliminates the risk of exposing you and your family to any possible emissions.

- **Longer battery life**

With a stronger radio connection to the network less battery power is consumed by your mobile, giving longer battery life and greater time between chargings.

- **Higher call quality & faster data rates**

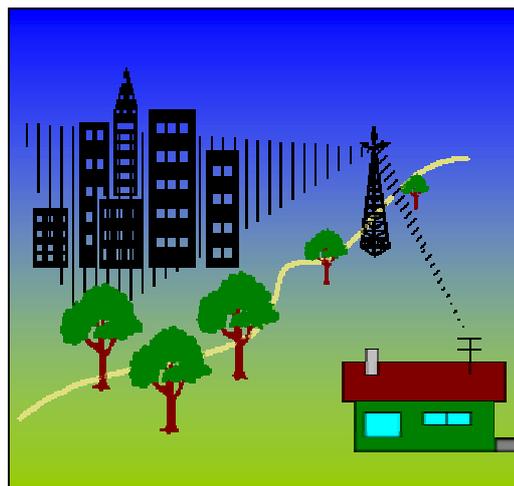
An external antenna can make the difference between good and bad reception in your home or car. Faster data rates are obtained as the coverage is dramatically improved.

- **Coverage Indoors**

Do you experience intermittent coverage outside your home with no coverage inside? An external antenna will fix this and give you reliable quality coverage indoors.

Which antenna do I require?

For your Home - Caravan - Batch



First identify how good, or not so good, your mobile service is.

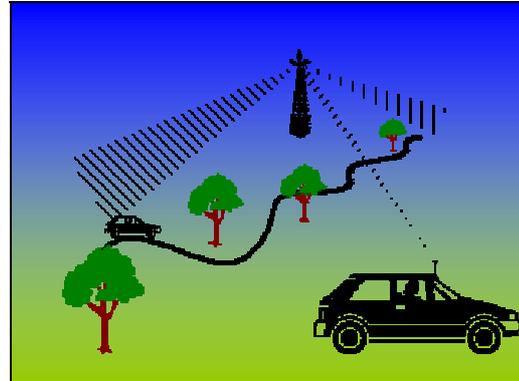
For example, do you have coverage outside but intermittent to no coverage inside? Or do you have absolutely no coverage at home, inside or out, and can only obtain coverage several streets away?

Use the following table as a guide.

<p><u>Model AM1-5</u></p> <p>Totally portable magnetic mount antenna. This antenna gives much improved coverage as it has much higher antenna gain than your mobile phones antenna. Plug this into your mobile and you will enjoy the mobile coverage you have outdoors, indoors!</p>	 <p>For when you have intermittent coverage indoors</p>
<p><u>Model AFM1-3</u></p> <p>Attach to roof, or boot of vehicle.</p> <p>Ideal for rural customers wanting maximum coverage in their vehicles.</p> <p>Also suits, farm vehicles, caravans.</p>	
<p>When you only have marginal coverage on nearby streets, no coverage inside and intermittent to no coverage outside your home</p> <p><u>Model AY9-12</u></p> <p>Attaches to your external TV mount</p>	

For your Car

Do you predominantly drive in the city or in the country?



For most customers an easily installed glass mount antenna will give the desired improvement in mobile coverage - Model AG1-3.

For customers in low coverage areas, such as some rural locations, we recommend the Thru-hole type antenna as it uses the entire roof of the vehicle as a radio frequency ground plane, providing maximum coverage to your vehicle - Model AFM1-3.

How do I connect an antenna to my mobile?

Connecting an external antenna to your mobile is made easy with a Cellutronics mobile antenna adaptor. Cellutronics have a wide variety of antenna adaptors available to suit most mobile phones.



External mobile antennas really do make a big difference to the performance of your mobile. Whether you just want an external antenna for higher data rates or simply require new or improved network coverage, Cellutronics will have an antenna to suit you.

Please visit us on the internet at:
<http://www.cellutronics.co.nz>