



GIDM-DB

Multiband mobile phone antenna

All networks

Lower 4G/3G

Includes Telstra, Optus & Vodafone within Australia

825-960 MHz

2.1 dBi

- Mounts to any bracket with minimum 10 mm diameter hole.
- 4.5 metres RG58 low loss cable.
- FME female crimp connector supplied.

INSTALLATION GUIDE

www.zcg.com.au

ANTENNA DESCRIPTION

Key features of the GIDM-DB antenna are :

- Multiband coverage of all available 4G/3G mobile phone networks
- Compact size at just 270mm tall
- 2.1 dBi gain
- Ground independent
- Easily mounted to a vehicle guard, boot, truck mirror or any fixed location using the appropriate bracket.

The antenna is firmly secured into any 10 mm minimum diameter hole using the threaded stud and nut assembly at the base.

5 metres of RG58A/U stranded cable bottom exits through the base. A FME female connector is fitted to the cable for easy installation.

A detailed specification sheet is available to download from www.zcg.com.au

TUNING

The antenna has been tuned in the factory to cover all networks lower 4G/3G mobile phone networks combined. This includes Telstra, Optus & Vodafone within Australia.

VSWR has been optimised to better than 1.6:1 across the full frequency range 825 to 960 MHz.

This tuning cannot be altered.

SELECTING THE MOUNTING POSITION

No metal ground plane is necessary for the antenna to operate effectively.

Typical mounting positions for this antenna are to your vehicle bull bar, guard, boot or truck mirror using the appropriate bracket with a minimum 10 mm diameter hole.

The antenna can also be mounted in locations other than on a vehicle.

To achieve best performance from your antenna, these are the important principles you should consider when selecting the mounting point:

1. **Mount the antenna in as high a place as possible.**
2. **Mount the antenna as far away from other antennas and metallic objects as possible to avoid distortion of the 360° omnidirectional pattern and interference. At least 350 mm side clearance is desirable, preferably more.**
3. **Mount the antenna vertical, not at an angle.**

INSTALLATION GUIDE

Remove the nut and washer from the threaded base, slip them down the cable and over the connector. Pass the cable through the hole of your mounting bracket.

Thread the washer and then the nut back up the cable and onto the threaded base.

From underneath, tighten the nut to secure the antenna firmly to the bracket.

IMPORTANT : *Leave some slack in the cable at the point where the cable bottom exits the threaded base so as not to place unnecessary tension on the cable.*

Route the RG58 cable carefully to your mobile phone. Ensure that the cable is not stretched excessively and there are no sharp kinks. Avoid high heat areas in the engine bay.

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.

Insert the FME female connector into your mobile phone. The maximum input power rating is 5 watts.

Installation is now complete.



The cable may be cut shorter if desired. However, a new connector will then need to be fitted using proper tools.

If the FME female connector fitted to the cable does not suit your mobile phone, then any other connector which is suitable for RG58 cable can be fitted.

Alternatively use a suitable adaptor, or a patch lead.