



Model

GID-M90T-FK-NextG-SS

Ground Independent
Mobile Phone Antenna,
450mm

450mm

3G

825-890MHZ

5.1dBi

- ➔ Ground Independent.
- ➔ Mounts to any bracket with minimum 10mm diameter hole.
- ➔ 4.5 metres MIL-SPEC RG58 low loss stranded cable.
- ➔ Fakra Type D Bordeaux Violet connector fitted.
- ➔ 5 watts maximum input power.

INSTALLATION GUIDE

www.zcgg.com.au

ANTENNA DESCRIPTION

The GID-M90T-FK-NextG-SS ground independent cellular mobile phone antenna is just 450mm tall and delivers excellent performance with 5.1dBi gain.

This antenna is a rugged, lightweight and unobtrusive design with detachable stainless steel black powder coated whip.

4.5 metres of MIL-SPEC RG58 stranded cable bottom exits through the base. A Fakra Type D Bordeaux Violet connector is fitted to the cable.

TUNING

The antenna has been tuned in the factory to cover the 3G mobile phone network 825-890MHz.

VSWR has been optimised to better than 1.6:1 across the full frequency range 825-890MHz.

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 10mm 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 split nut from the threaded base, remove it from the cable. Pass the cable through the hole of your mounting bracket.

Place split nut back on 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 MIL-SPEC RG58 stranded cable carefully to your mobile phone or device. Ensure that the cable is not stretched excessively and there are no sharp kinks. Avoid high heat areas or areas with electrical interference.

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.

Connect the Fakra Type D Bordeaux Violet connector into your mobile phone/device. 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.

Alternatively use a suitable adaptor, or a patch lead.