



Model

ZGI40-TPM

27 MHz Land CB
Radio Whip
1.775m

- 26.975-27.405 MHz full HF CB range - no tuning required
- Replacement whip for ZGI40 elevated feed whip antenna
- Black heatshrunk fibreglass, chrome mount ferrule
- Mounts to any antenna base with 3/8"-24UNF male thread

INSTALLATION GUIDE

www.zcg.com.au

ANTENNA DESCRIPTION

ZGI40-TPM is a replacement white top whip to suit the ZGI40 model ground independent 27 MHz land CB radio mobile antenna.

The ZGI40 range of antennas are specifically designed for mounting to the bull bar, guard/boot of a vehicle, or to a truck mirror.

Standing 1.775 metres tall, the ZGI40-TPM whip antenna delivers 2.1 dBi gain (when on ZGI40 mount base). The high quality chrome plated brass, delrin, copper and fibreglass construction will survive harsh Australian conditions for many years.

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

WHIP INSTALLATION

Simply remove the old whip from the ZGI40 antenna or 3/8"-24UNF threaded base and replace with your new ZGI40-TPM whip.

If the ZGI40-TPM is a new addition, the whip will require an existing ZGI40 loaded coil mount base or any base with a 3/8"-24UNF thread, please note: not using a coil loaded ZGI40 mount base will require a metallic ground plane with a minimum of 1.2m x 1.2m for effective performance.

SELECTING THE MOUNTING POSITION

No metal ground plane is necessary for the antenna to operate effectively if using an existing ZGI40 mount base. **A ground plane is required if using a 3/8"-24 UNF mount base.**

Typical mounting positions for this antenna (when using ZGI40 base) are to a vehicle bull bar or guard, the boot of a sedan or truck mirror using the appropriate bracket with minimum 12.7 mm (1/2") diameter hole.

The antenna can also be mounted in locations other than on a vehicle such as a fixed location on a structure or mast.

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 interference and distortion of the 360° omnidirectional pattern. At least 350 mm side clearance is desirable, preferably more.**
3. **Mount the antenna vertical, not at an angle.**

ANTENNA TUNING

No tuning is required for the ZGI40-TPM. The ZGI40-TPM is manufactured and tuned for 27 MHz CB communications (26.975 - 27.405 MHz) from the factory.

MAINTENANCE

We manufacture all of antennas for a low maintenance, high survivability and long service life. We recommend a yearly visual inspection of your entire antenna system to ensure strong connectivity and reliable performance.

- Visual check of the whip - no breaks/tears/exposed braid
- Tight on mount base - loose whip will cause diminished performance and/or noisy signal
- Visual inspection of coaxial cable - no cuts/abrasions/exposed braid/kinks or disforming/melting of jacket
- Entire system check with either a network analyser/sitemaster to ensure stated performance levels maintained