



Model

## ZN3-77-06BLKR-TPM

All-black rugged 'stubby' UHF CB

collinear

540mm

# 477 MHz

## UHF CB Radio

### 2.1 dBi

Suitable for hilly terrain, CBD locations  
or low gain requirements

- ↳ Mounts onto any existing ZN3-77 series spring base or ZN3-SB-S/ZN Base
- ↳ Embedded UHF male inside mount ferrule
- ↳ Black radome and black finish aluminium ferrule
- ↳ 100 watts maximum input power.

## INSTALLATION GUIDE

[www.zcg.com.au](http://www.zcg.com.au)

### ANTENNA DESCRIPTION

**A rugged and compact design for mounting to the bull bar of 4WD vehicles, utes and cars, the ZN3-77-06BLKR-TPM UHF CB radio mobile antenna stands at just 540mm tall and delivers 2.1 dBi gain.**

The ZN3-77-06BLKR-TPM UHF CB antenna is suitable for hilly terrain or CBD locations where gain isn't suitable. The high quality and rugged construction ensures long term survival in harsh Australian conditions. Key features include :

- ↳ The antenna top can be detached for storage when not required by releasing the grub screw and unscrewing antenna.
- ↳ A precision machined marine grade, black finish aluminium ferrule prevents water and dust ingress giving the antenna a longer service life.
- ↳ Robust and stubby design for tough aesthetics and reduced visual obstruction.

A detailed specification sheet is available to download from our website [www.zcg.com.au](http://www.zcg.com.au)

### TUNING

The antenna has been tuned in the factory for 477 MHz UHF CB Radio, 476.4125-477.4125 MHz, all 40/80 channels. VSWR has been optimised to less than 1.5:1.

This tuning cannot be altered.

### MOUNTING POSITION

The recommended mounting position for this antenna is as high on your vehicle as possible such as the roof or a top your vehicles bonnet or bullbar. Alternate locations are a top your 4WD or ute rear tray or roll over bar.

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

To achieve best performance, mount the antenna as far away from other antennas and metallic objects as possible to avoid interference and distortion of the 360° omnidirectional pattern.

We do not recommend mounting the ZN3-77-06W-TPM behind the uprights of your bullbar, the bullbar structure will obstruct or even totally block your UHF CB signal.

At least 350 mm side clearance is desirable, preferably more.

### INSTALLATION GUIDE

The ZN3-77-06BLKR-TPM is the ideal low gain replacement for any existing ZN3-77 series UHF CB radio 477 MHz antenna or as a low gain requirement antenna for hilly terrain or CBD locations

1. Simply loosen the grub screw on your existing ZN3-77 series antenna and unscrew the antenna from the spring base or ZN base.
2. Inspect the UHF female SO-239 termination at the top of the spring base and remove any debris from the mount thread or face of connector.
3. Screw your ZN3-77-06BLKR-TPM onto your spring base until the base of the ferrule contacts the spring base flat and the antenna is secure.
4. Tighten the locking grub screw to ensure the antenna does not work loose during transit.
5. Engage your UHF CB radio and test the signal.

**The antenna installation is now complete.**



**Important installation tip:** Check the condition of your coaxial cable. Ensure a stress relief loop in the cable leaving the spring base. This will permit the antenna to flex in the usual manner during travel, without placing unnecessary tension on the cable.

For added longevity of your system, ZCG recommend water/dust ingress protecting your terminations utilising amalgamation butyl rubber tape and a top layer of PVC tape.