



# Model ZN3-77-12-TPM

Super heavy-duty spring base collinear  
top only  
2.1 metres tall

477 MHz  
UHF CB Radio  
8.1 dBi Gain

For mounting on  
existing ZCG UHF spring base

- Replacement top for the "ZN3-77-12" super heavy duty UHF CB radio mobile antenna.
- Mounts onto the "ZN3-SB-L" large spring base.

## INSTALLATION GUIDE

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

### ANTENNA DESCRIPTION

The ZN3-77-12 super heavy duty UHF CB radio antenna stands at 2.1 metres tall and offers high 8.1 dBi gain, this antenna will deliver the maximum transmit and receive range over flat ground.

Manufactured in Australia by ZCG Scalar, the high quality design is built to last. Key features include :

- The antenna top can be detached for storage when not required using the Allen hex key supplied. It can also be substituted with a shorter 1.2 metre 6.6 dBi model **ZN3-77-11** top, or the 40 cm flexible **ZN3-77-04-TPM** "quick fit" 2.1 dBi whip.
- A precision machined marine grade aluminium ferrule prevents water and dust ingress giving the antenna a longer service life.
- The machined aluminum top cap stops water and dust ingress into the radome.
- Component parts are available to order separately.

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, CBRS 476.425-477.4125MHz. 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. The height and weight of this antenna make mounting to the guard, boot or mirror not practical.

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.

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

### INSTALLATION GUIDE

Screw the antenna top onto the compatible "ZN3-SB-L" large spring base until the aluminium ferrule touches the spring surface.

Tighten the grub screw in the antenna ferrule using a 3 mm Allen Hex Key to properly secure the antenna top to the spring base.