

Section 4b

CB RADIO ANTENNAS

Updated 18 February 2011

**ZN3-77-10
UHF CB Medium Duty
Vehicle Bull Bar Mount**

Frequency **477 MHz** Gain **6.6 dBi**



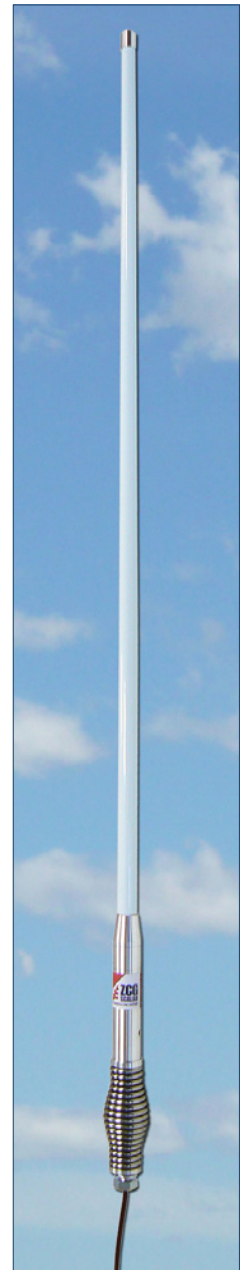
The ZN3-77-10 medium duty UHF CB radio antenna is designed for mounting to the bull bar of cars and smaller 4WD vehicles. Standing 1.1 metres tall, this model delivers an effective 6.6 dBi gain despite the slightly smaller size. It is well suited to both hilly and flat ground.

ZCG Scalar have purpose built the ZN3-77-10 antenna to survive harsh Australian conditions long term. Key features include :

- The top whip is detachable for storage when not required, or is interchangeable with the 40cm "quick fit" 2.1 dBi flexible whip ZN3-77-04TP
- A precision machined marine grade aluminium ferrule prevents water and dust ingress giving the antenna a longer service life.
- The machined aluminum radome cap stops water and dust ingress into the radome.
- Component parts are available to order separately.

Factory tuned for 477 MHz and suitable for all Uniden, GME, Icom and Vertex UHF CB radios, the antenna is available with either a White or Black fibreglass radome. The stainless steel barrel spring base bolts into any bracket with a minimum 12.7 mm (1/2") diameter hole.

4.5 metres of RG58 low loss stranded cable bottom exits through the mounting base. The cable is not terminated to allow easy installation through vehicle firewalls and dashboards. It is recommended that the cable be cut to the shortest length necessary prior to fitting the UHF male solder connector supplied.



SPECIFICATIONS	ZN3-77-10W	ZN3-77-10B
Radome Colour	White	Black
Construction	Marine grade aluminium ferrule, coaxial feeder, silver soldered brass dipole, wound copper radiator coil, reinforced internal fibreglass rod, foam tape packing to eliminate internal vibration, fibreglass radome, stainless steel barrel spring	
Frequency	477 MHz UHF CB Radio	
VSWR	Less than 1.5:1	
Tuning	Factory	
Gain	6.6 dBi	
Maximum Power	100 Watts	
Impedance	50 Ohms	
Polarisation	Vertical	
H-Plane	360° Omnidirectional	
Cable	4.5 metres of RG58 low loss stranded cable bottom exits through the spring and mount bolt	
Connector	UHF male solder connector supplied, not fitted	
Height and Weight	1.1 metres, 925 grams	
Mounting	Secure into any bracket with minimum 12.7 mm (1/2") diameter hole using the bolt and spring washer supplied	
Recommended Mounting Position	Vehicle bull bar. If required, the BBM-SS stainless steel mounting bracket is available	
Installation Kit Contents	<ol style="list-style-type: none"> 1. 3 mm Allen key to remove antenna top 2. PVC cap to cover exposed connector on base 3. 6 x 100 mm cable ties, 2 x 200 mm cable ties 4. UHF male solder connector (PL259) 5. Coil of solder 	
Component Parts Available	ZN3-77-10W-TP : White fibreglass top only ZN3-77-10B-TP : Black fibreglass top only ZN3-SB-S : Small spring base, cable, connector ZN3-77-04TP : Highly Flexible "Quick Fit" top only	

