

Section 4b

CB RADIO ANTENNAS

Updated 1 July 2009

ZGI40 27 MHz CB Ground Independent Vehicle Mount

Frequency	Gain	Availability
27 MHz	2.1 dBi	STOCK



ZGI40 is a ground independent 27 MHz CB radio mobile antenna specifically designed for mounting to the bull bar, guard or boot of a vehicle, or to a truck mirror. No metal ground plane is necessary for effective performance.

Standing 1.1 metres tall, the antenna delivers 2.1 dBi gain. The high quality chrome plated brass, delrin, copper and fibreglass construction will survive harsh Australian conditions for many years.

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 provided.

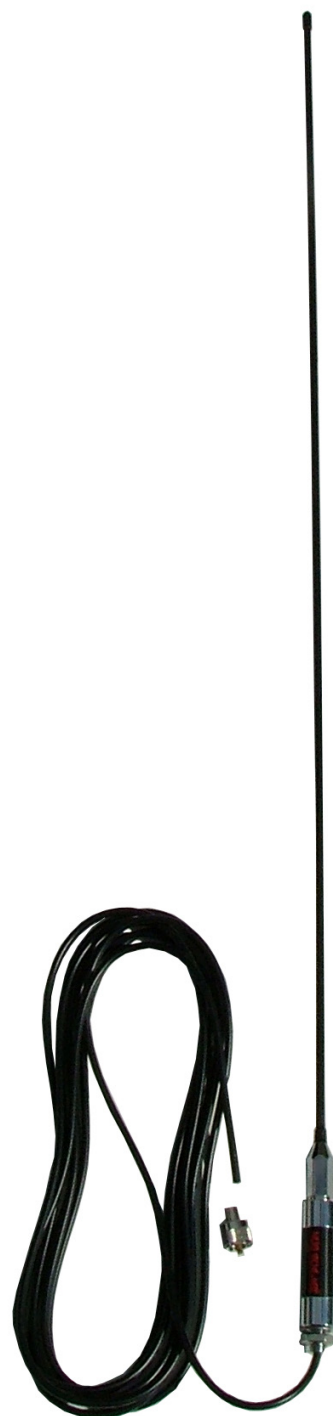
A range of brackets are available to suit various mounting positions on a vehicle.

SPECIFICATIONS	ZGI40
Construction	Chrome plated brass and delrin ferrule, copper internals, black fibreglass whip
Frequency Range	26.96 to 27.405 MHz Factory tuned for 29.96 MHz
Bandwidth	200 KHz
VSWR	Less than 1.5:1
Gain	2.1 dBi
Maximum Power	50 Watts
Impedance	50 Ohms
Polarisation	Vertical
H-Plane	360° Omnidirectional
Cable	4.5 metres RG58 low loss stranded bottom exits through the threaded mounting base
Connector	UHF male solder connector supplied, not fitted
Height	1.1 metres
Weight	470 grams
Mounting	Secure into any bracket with 12.7 mm (½") minimum diameter hole using the nut and spring washer on the threaded base
Recommended Mounting Position	Vehicle bull bar, guard, boot or truck mirror using the appropriate bracket
Replacement Whip	ZGI40W is the top whip only, 98 cm tall

ZGI40 has a narrower bandwidth than long whips. It is factory tuned to the lower end of the 27MHz CB Radio allocation.

To tune to higher channels, only millimetre increments of the whip tip needs to be trimmed to achieve increases in the centre frequency.

If mounting **ZGI40** on a metal mass its tune will move several channels lower. The antenna will need to be retuned in the field using a SWR meter.



A UHF male solder connector is supplied, not fitted.