0 0 (1/2") diameter hole. Mounts into any bracket with minimum 12.7 mm



- 5 metres of RG58 low loss stranded cable

- UHF male solder connector supplied, not fitted

0 0

20 watts maximum input power

ANTENNA DESCRIPTION

deliver reliable performance.

conditions long term.

performance at any speed.

been optimised to less than 1.5:1. This tuning cannot be altered.

SELECTING THE MOUNTING POSITION

www.zcg.com.au TUNING

effectively.

diameter hole.

mounting point:

vehicle

1.

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Factory tuned for 477MHz UHF CB radio, the SG477-W mobile

antenna is designed to mount to a vehicle bull bar. Standing 90 cm tall with 2.1 dBi gain, this ground independent model will

Suitable for all Uniden, GME, Icom and Vertex UHF CB radios, this antenna is manufactured from the finest quality components.

The robust design is purpose built to survive harsh Australian

5 metres of RG58 low loss stranded cable side exits from the aluminium mount ferrule and is not terminated to allow easy

installation through vehicle firewalls and dashboards. A UHF

The high quality electro-polished stainless steel beehive spring dampens vibrations while travelling and maintains the antenna

in a vertical position for the optimum receive and transmit

The antenna has been tuned in the factory for 477MHz UHF CB Radio - 476.425-477.4125MHz all 40/80 channels. VSWR has

No metal ground plane is necessary for the antenna to operate

The typical mounting position for this antenna is to your vehicle

bull bar. However, the guard or boot are other potential mounting

points using the appropriate bracket with minimum 12.7 mm $(\frac{1}{2})$

The antenna can also be mounted in locations other than on a

To achieve best performance from your antenna, these are the

important principles you should consider when selecting the

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 desireable, preferably more.

Mount the antenna in as high a place as possible.

3. Mount the antenna vertical, not at an angle.

A detailed specification sheet is available to download from

male solder connector is supplied, not fitted.

Recommended

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CB Radio

IBI Gair



Omnidirectional ground independent

'barrel' spring base collinear

90 cm

INSTALLATION TOOLS REQUIRED

- 13mm drill bit for mounting hole of base (if required)
- spanner for base securing
- Cable ties for securing coaxial cable route
- Small cutters for cable tie excess removal
- Amalgamation tape and PVC tape for connector sealing

INSTALLATION GUIDE

Remove the bolt and washer from the beehive spring. From underneath, insert the bolt and washer through the hole of your bracket. Screw the bolt into the thread of the beehive spring. Tighten the bolt to firmly secure the antenna to the bracket.

IMPORTANT : Leave some slack in the cable at the point where the cable exits the mount ferrule. This will allow the antenna to flex in the usual manner during travel.



Route the RG58 low loss stranded cable carefully. Avoid high heat areas in the engine bay. Ensure that the cable is not stretched excessively and there are no sharp kinks. Use cable ties, but do not pull so tight as to crush the cable. A damaged feeder cable is a cause of high VSWR and reduced performance.

We recommend that you cut the cable to the shortest length necessary, prior to fitting the UHF male connector provided.

Carefully strip the end of the coaxial cable as shown in the

C =

2.



Fold back the uncovered braid over the outer jacket.

- Screw the UHF male connector over the braid until tight. Trim any exposed braid.
- Solder the centre core of the cable 3. to the connector pin. Remove any excess solder.

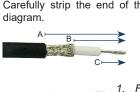
Attach the connector to your radio. The maximum input power is 20 watts.

Installation is now complete.

Specifications are subject to change without prior notice

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A = 20.0 mm B =

15.0 mm

13.0 mm

