ZCG

Model

ZN4-77-06SBLKR

Ground independent elevated feed antenna, 900mm

All-black fibreglass whip and parallel stainless steel spring

477MHz UHF CB radio 6.6 dBi Gain

- Recommended for a small 4WD, ute, truck or car
- Mounts into any bracket with minimum 12.7mm diameter hole.
- 4.5 metres of RG58 low loss stranded cable with FME Female connector fitted.
- FME Male to UHF Male adaptor supplied to make connection to your UHF CB radio very simple.
- 25 watts maximum input power.

INSTALLATION GUIDE

www.zcg.com.au

ANTENNA DESCRIPTION

Standing 90 cm tall **ZN4-77-06SBLKR** is a light design ground independent elevated feed UHF CB mobile antenna perfect for mounting in various positions on a vehicle. Similar to our ZN4-77-06BLKR, this "**06SBLKR**" variant model is fitted with a parallel stainless steel spring. The fibreglass whip delivers excellent performance with 6.6 dBi gain.

Factory tuned for 477MHz, the high quality brass, delrin and all-black stainless steel components also make this model ideal for use in harsh marine and industrial environments.

The stainless steel parallel spring dampens vibrations while travelling and maintains the antenna in a vertical position for the optimum receive and transmit performance at any speed.

The antenna mounts into any bracket with minimum 12.7mm diameter hole. The threaded mount stud with split nut and washer is a unique ZCG design that makes removing the nut and fitting the antenna into a mount bracket quick and easy.

4.5 metres of RG58 low loss stranded cable bottom exits through the spring. An FME Female connector is fitted to the cable and an FME Male to UHF Male adaptor also supplied to make connection to your UHF CB radio simple.

A detailed specification sheet is available to download from our website **www.zcg.com.au**

TUNING

The ZN4-77-06SBLKR 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.

SELECTING THE MOUNTING POSITION

The recommended mounting position for this antenna is are high on your vehicle as possible using the appropriate bracket with minimum 12.5 mm diameter hole.

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

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

To achieve best performance from your antenna, these are the important principles you should consider when selecting the mounting point:

1. ***Mount the antenna in as high a place as possible.***
2. ***Mount the antenna as far away from other antennas and metallic objects as possible to avoid interference and distortion of the 360^{o} omnidirectional pattern. At least 350 mm side clearance is desirable, preferably more.***
3. ***Mount the antenna vertical, not at an angle.***

INSTALLATION GUIDE

1) Remove the split nut and washer from the spring stud base and slip it off the cable.
2) Pass the cable through the hole of your mounting bracket or mount hole.
3) Thread the split nut and washer back onto the cable, screw the nut back onto the stud and tighten from underneath to secure the antenna firmly to the bracket or mount hole.
4) **IMPORTANT : You must <u>leave some slack</u> in the cable at the point where the cable bottom exits through the spring**.

Leaving a stress relief loop in the cable will permit the antenna to flex in the usual manner during travel, without placing unnecessary tension on the cable.

Failure to follow this advice will most likely result in the feeder cable being ripped out of the antenna ! The issue is not covered under warranty.

5) Route the antenna feeder cable carefully to your CB radio.
   Avoid high heat areas in the engine bay.
   Ensure that the cable is not stretched excessively and there are no sharp kinks.
   Do not pull the cable ties so tight as to crush the cable.
   A damaged feeder cable is a cause of high VSWR and reduced performance.
6) Neatly coil any excess cable and secure out of sight.
7) Screw the FME female connector fitted to the cable into the FME Male to UHF Male adaptor provided.

8) Connect the adaptor to the antenna input of your UHF CB radio. The maximum input power is 25 watts.

The antenna installation is now complete.

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