



Model

CR36

AM/FM Radio Receive Vehicle Mount Whip Antenna

1 metre tall
Includes black whip, black base, coaxial
and connector

- CRBL mounting base, 5 metres of RG58AU stranded cable, male radio connector fitted.
- Mounts into any 16 mm minimum diameter hole.
- Recommended for vehicle bull bar, vehicle guard, the boot of a sedan or a truck mirror using the appropriate bracket.

INSTALLATION GUIDE

www.zcgg.com.au

ANTENNA DESCRIPTION

To boost AM and FM radio reception, the CR36 fibreglass braided whip with UV stabilised black cover offers excellent performance.

Standing 1 metre tall, this lightweight antenna is ideal for mounting in various positions on a vehicle, or in a fixed location.

The CRBL mounting base supplied has 5 metres of RG58A/U stranded cable with a car radio connector fitted. A variety of brackets can be supplied to suit your intended mounting position. Replacement top whips are also available.

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

TUNING

The antenna tune has been optimised in the factory to receive AM Radio, 530 to 1600 KHz and FM Radio, 87.5 to 108 MHz.

This tuning cannot be altered.

SELECTING THE MOUNTING POSITION

The typical mounting positions for this antenna include a vehicle bull bar, vehicle guard, the boot of a sedan or a truck mirror using the appropriate bracket.

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

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° omnidirectional pattern. At least 350 mm side clearance is desirable, preferably more.**
3. **Mount the antenna vertical, not at an angle.**

INSTALLATION TOOLS REQUIRED

- 16mm drill bit for mounting hole
- 11mm spanner for base top nut securing
- 15mm spanner for whip securing on base
- Cable ties for securing coaxial cable route
- Small cutters for cable tie excess removal
- Amalgamation tape and PVC tape for connector sealing

MOUNTING THE ANTENNA BASE

The **CRBL** antenna base and cable set can be mounted into any bracket with 16 mm minimum diameter hole, or through a flat surface up to 5 mm thick.

1. Unscrew and remove the lock nut on top of the base, then disassemble all components as shown in the diagram.
2. From underneath, push the mounting leg through the hole in the mount bracket, or flat surface.
3. From above, replace the rubber gasket, base cap, washer and lock nut in that order.
4. The rubber gasket will provide a waterproof seal. However, you can also apply a good sealant, such as silicon, to reduce the likelihood of rust or corrosion setting in.
5. Tighten the top lock nut to firmly secure the base in position.
6. Screw the whip onto the 5/16"-26 TPI thread on top of the mounting base.

ROUTING THE CABLE

IMPORTANT : *Leave some slack in the cable at the point where the cable bottom exits from the base. This will ensure that there is no unnecessary tension placed on the cable.*

Route the RG58 low loss stranded cable carefully to your radio. 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.

CONNECT TO YOUR RADIO

A car radio connector has been fitted to the cable for your convenience.

Simply attach the connector to your radio.

Installation is now complete.

