



# Model CRBL-10

## Base and Cable Set for AM/FM Car Radio Antenna

- Suits **CR66-HD-TPM**, **CR66-TPM**, **CR36-TPM** or **ZW312B-BLK** whips.
- OB antenna mounting base with 5/16" 26 brass thread.
- 10 metres of RG58A/U stranded cable with car radio connector fitted.
- Mounts into any 16mm minimum diameter hole.
- Recommended mounting positions include a vehicle bull bar, vehicle guard, the boot of a sedan or a truck mirror using the appropriate bracket.

## INSTALLATION GUIDE

[www.zcg.com.au](http://www.zcg.com.au)

### DESCRIPTION

The **CRBL-10** antenna mounting base with 5/16" 26 brass thread is fitted with 10 metres of RG58A/U stranded cable. A 'car radio' male connector is fitted to the cable for easy installation.

This base and cable set is recommended for mounting these ZCG Scalar AM/FM radio receive whips :

- **CR66-HD-TPM**, 1.83 metre, whip only
- **CR66-TPM**, 1.5 metre, whip only
- **CR36-TPM**, 1.0 metre, whip only
- **ZW312B-BLK**, 640mm, whip only

A variety of brackets can be supplied to suit your intended mounting position.



### SELECTING THE MOUNTING POSITION

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

The antennas 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
- 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-10** antenna base and cable set can be mounted into any bracket with 16mm minimum diameter hole, or through a flat surface up to 5mm 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 brass 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.**