



Model

ZN3-AMFM-10

Medium-duty vehicle mount
antenna - 1.1 metres

AM/FM Radio

AM 530-1600KHZ

FM 87.5-108MHZ

Recommended for smaller 4WD
vehicles, utes and cars

- Mounts into any bracket with minimum 12.5 mm diameter hole.
- 4.5 metres of RG58 low loss stranded cable.
- "Easy Fit" solderless car radio connector supplied.

INSTALLATION GUIDE

www.zcg.com.au

ANTENNA DESCRIPTION

Designed for mounting to smaller 4WD vehicles, utes and cars, the ZN3-AMFM-10 medium duty vehicle mount antenna stands 1.1 metres tall and will significantly boost your AM and FM radio reception.

The high quality construction ensures long term survival in harsh Australian conditions. Key features include :

- Using the Allen hex key supplied, the antenna top can be easily detached for storage when not required.
- A precision machined marine grade aluminium ferrule prevents water and dust ingress giving the antenna a longer service life.
- The machined aluminum top cap stops water and dust ingress into the radome.
- Component parts are available.

The stainless steel spring base can be fitted into any bracket with a minimum 12.5 mm diameter hole.

4.5 metres of RG58 low loss stranded cable bottom exits through the spring base. An FME female connector is fitted to the cable and a solderless car radio connector is supplied.

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

TUNING

The antenna has been tuned in the factory to receive AM Radio, 530-1600KHz and FM Radio, 87.5-108MHz. This tuning cannot be altered.

MOUNTING POSITION

The recommended mounting position for this antenna is as high on your vehicle as possible. The height and weight of this antenna make mounting to the guard, boot or mirror not practical. No metal ground plane is necessary for the antenna to operate effectively.

To achieve best performance, 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.

INSTALLATION KIT

The installation kit provided with the antenna includes :

- 1) Spring base assembly with 4.5 metre cable and FME female connector fitted.
- 2) "Easy Fit" solderless car radio connector.
- 3) 3 mm Allen Hex Key to secure and/or remove the antenna top when not required.
- 4) PVC cap to cover the exposed UHF female connector on the spring base whenever the antenna top has been removed.
- 5) 6 x 100 mm cable ties, 2 x 200 mm cable ties.

INSTALLATION GUIDE

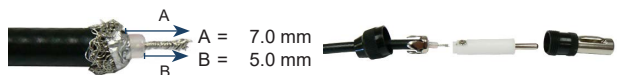
- 1) Remove the split nut from the barrel spring and remove them from the cable.
- 2) Pass the FME connector and cable through the hole of your mounting bracket or mount hole.
- 3) Place the split nut back on the cable. Screw the split nut back on to the spring and tighten from underneath to secure the antenna firmly to the bull bar bracket.
- 4) **IMPORTANT : You must leave some slack 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.

- 4) Route the antenna feeder cable carefully to your car 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.
- 5) Cut the cable to the shortest length necessary and dispose of the FME female connector. This is not required. Unscrew the black cap on the solderless car radio connector and disassemble all the connector components.
- 6) Carefully strip the end of the coaxial cable as shown in the diagram and fold the braid back over the jacket.



- 7) Place the retention clip over the end of the cable and exposed braid, then squeeze the fingers into the cable jacket to hold the clip secure.
- 8) Loosen the screw in the white centre pin piece, insert the centre conductor wire into the pin and tighten the screw.
- 9) Move the black cap up the cable and over the retention clip.
- 10) Thread the metal outer body piece over the inner white centre piece.
- 11) Screw the black cap and connector outer body together finger tight.
- 12) Insert the connector into the antenna input of your car radio.

Installation is now complete.