



Model

VHF-H150

UHF male
based
Flexible Helical
VHF Whip

VHF 150 MHz
2.1dBi Gain

- Highly flexible helical design
- UHF male PL259 connector in mount ferrule
- Fits onto any ZCG UHF female base such as MGB-UHF or RA4.7

INSTALLATION GUIDE

www.zcg.com.au

ANTENNA DESCRIPTION

The VHF-H150 flexible helical antenna is a ground independent ideally suited for use where no metal ground plane exists. In practice the antenna can also be used where some metal is present, but where it is not of sufficient area to allow a normal quarter wave whip to be mounted.

The flexible helical design suits applications where damage or contact may occur such as forklifts, trucks or emergency vehicles.

The VHF-H150 comes standard with a UHF male in the base/ mount ferrule suitable for mounting onto any UHF female terminated base/magnetic base or cable assembly.

The VHF-H150 is specifically designed and manufactured for VHF 150MHz, other frequencies are available upon request. Please consult ZCG.

MOUNTING

Typical mounting positions are to a vehicle bull bar, guard, boot, truck mirror or in a fixed location using the appropriate magnetic base/cable base and bracket with a 16mm hole.

It is important to mount the antenna as far away from other antennas and metallic objects as possible to avoid distortion of the omni-directional pattern and interference. At least 350mm side clearance is desirable, preferably more.

The antenna must be vertical for best performance, not mounted at an angle.

Compatible mounting bases are listed below:

- MGB-UHF - 105mm diameter magnetic base with 4.7m MIL-SPEC RG58 low noise stranded cable.
- RA4.7 - Right-angle UHF cable assembly with 4.7m MIL-SPEC RG58 low noise stranded cable.
- RA6.0 - Right-angle UHF cable assembly with 6.0m MIL-SPEC RG58 low noise stranded cable.

MAINTENANCE

The VHF-H150 is designed to be a low-maintenance installation. ZCG still recommends at minimum a yearly check of the entire system from antenna, mounting hardware, coaxial cable and termination through to your communication device.

TUNING

The VHF-H150 is specifically designed and manufactured for VHF 150MHz and factory tuned to the frequency. The VSWR is better than 1.5:1 at 150MHz.

This tuning cannot be altered.