



Model

M510

UHF phased coil
flexible whip
500–520 MHz
6.2 dBi Gain
53 cm

- Black finish 304 stainless steel phased coil whip with black finish ferrule
- Mounts to any antenna base with 5/16"–26 TPI male thread

INSTALLATION GUIDE

www.zcg.com.au

ANTENNA DESCRIPTION

53 cm tall with a yellow tip, the **M510** whip is constructed from stainless steel with a phasing coil, brass ferrule and black powder coat finish.

Factory tuned to cover the the full UHF frequency range 500 to 520 MHz at less than 1.5:1 VSWR, this whip offers excellent performance with 6.2 dBi gain.

SELECTING THE MOUNTING POSITION

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.**

ANTENNA MOUNTING BASES

This whip can be fitted to any antenna base with a 5/16"–26 TPI thread and mounted in various locations, either fixed or mobile.

The ZCG Scalar antenna bases listed below are recommended.

Mounting bases recommended and available separately

OB-2

Australian Standard UHF OB Base, Black, 5/16"–26 TPI thread, no cable, no connector

OB4.7

OB-2 Base, Black, 4.7 metres RG58 low loss stranded cable, UHF male solder connector supplied (not fitted)

MGB-OB

Magnetic OB-2 Base, steel with polished black powder coat finish, 10.5 cm diameter, heavy duty magnet, PVC matted pad on bottom, 4.7 metres RG58 low loss stranded cable side exits, no connector

All these antenna mounting bases will require a metal ground plane for effective performance.