



Model

**M460**

UHF phased coil  
flexible whip  
450–470 MHz  
6.2 dBi Gain  
60 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](http://www.zcg.com.au)

### ANTENNA DESCRIPTION

60 cm tall with a red tip, the **M460** 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 450 to 470 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.*