



Model

MB460-HD

UHF Whip
450–470 MHz,
6.2 dBi Gain,
720mm

- Black heatshrink heavy-duty fibreglass, chrome mount ferrule
- Mounts to any antenna base with 5/16"–26 TPI male thread

INSTALLATION
GUIDE

www.zcg.com.au

ANTENNA DESCRIPTION

Standing 650mm tall with a white identification cap, the **MB460-HD** whip is constructed from heavy-duty fibreglass with copper braid, black heatshrink cover and heavy-duty chrome plated brass ferrule.

Factory tuned to cover the the full UHF frequency range 450-470MHz at less than 1.5:1 VSWR, this whip offers excellent performance with 6.2 dBi gain.

MB460-HD is ideal for UHF communications or TETRA applications where heavy duty design is required.

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 antenna bases listed below are recommended.

This whips is also a replacement top for GID-MB460 or GID-MB460-SHD

Alternative mounting bases recommended and available separately

OB-2

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

OB-4.7

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.