



Model GID-M460-QF

“Quick Fit” Ground Independent
Elevated Feed Mobile Antenna Top,
Red Cap, 86 cm

UHF 450 – 470MHz
6.6 dBi Gain

Quick Fit to a UHF female antenna base
(available separately)

INSTALLATION GUIDE

www.zcg.com.au

ANTENNA DESCRIPTION

The GID “Quick Fit” series of elevated feed ground independent UHF mobile antennas feature a UHF male connector inside the base which fits onto a right-angle UHF female mounting base.

This unique design makes installation so simple with the additional benefit of being able to easily remove the antenna top in any situation where you are concerned about damage, vandalism or theft.

Rated for up to 50 watts input power and factory tuned in various 20 MHz segments, the black powder coated stainless steel whip with phasing coil delivers an effective 6.6 dBi gain.

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

TUNING

The GID-M460-QF antenna top has been tuned in the factory to cover the full frequency range 450 to 470 MHz.

VSWR has been optimised to better than 1.5:1. This tuning cannot be altered.

GID460-QF stands 86 cm tall and is distinguished by the red cap.

SELECTING THE MOUNTING POSITION

This antenna top can be mounted in various positions on a vehicle or in any fixed location using a UHF female base.

No metal ground plane is necessary for the antenna to operate effectively.

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.**

Typical mounting positions are a vehicle bull bar or guard, the boot of a sedan or a truck mirror.

The high quality brass, delrin and stainless steel construction also make these UHF antennas ideal for use in the harsh marine or industrial environments.

Since mounting arrangements differ, various mounting accessories for the “Quick Fit” antenna top are available to select and order separately according to your requirements.

RECOMMENDED UHF FEMALE MOUNTING BASE OPTIONS

7994

The right-angle UHF female base alone. Mounts into any bracket with 17 mm diameter hole.

RA-4.7

Right-angle UHF female base fitted with 4.7 metres of RG58 low loss stranded cable and UHF male connector supplied, not fitted.

MGBIM-UHF

Magnetic base with UHF female connector, injection moulded black plastic body 10 cm diameter, heavy duty magnet, rubber pad base, 4.5 metres RG58U low loss cable, no connector.

MGB-UHF

Magnetic base with UHF female connector, steel with polished black powder coated 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.