



Model

GRN480-TPM

Highly Flexible
"Quick Fit"

Ground Independent
Mobile Antenna Top
Blue Cap, 33 cm

470 - 490MHz
Suits 477 MHz
4 dBi Gain

↳ Highly flexible PVC top,
virtually unbreakable
and perfect for rugged
off-road driving, forklifts
and tractors.

↳ "Quick Fit" to UHF
female antenna
mounting base.
(available separately)

INSTALLATION
GUIDE

www.zcg.com.au

ANTENNA DESCRIPTION

Just 33 cm tall, the GRN480-TPM half wave UHF CB radio antenna top with UHF male connector inside the base features a highly flexible PVC top which is virtually unbreakable.

The copper, brass, delrin and PVC construction is purpose built to survive harsh Australian conditions long term.

Perfect for rugged off-road driving, forklifts and tractors, this ground independent mobile antenna can be mounted in various positions and offers effective performance with 4 dBi gain.

Clients who purchase this GRN480TP "Quick Fit" antenna top alone can select from various UHF female mounting base options according to their requirements.

The right-angle UHF female mounting base fits into any bracket with 17 mm minimum diameter hole.

The unique design makes installation so simple with the additional benefit of being able to easily remove the antenna top when not required, or in a situation where you are concerned about damage, vandalism or theft.

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

TUNING

The antenna top has been tuned in the factory to cover the full UHF frequency range 470 to 490 MHz. VSWR has been optimised to less than 1.5:1 across the full band.

This tuning cannot be altered.

SELECTING THE MOUNTING POSITION

The GRN antenna top can be mounted on a vehicle or in a fixed location using a UHF female base and any bracket with minimum 17 mm diameter hole.

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.**

UHF FEMALE MOUNTING BASE OPTIONS AVAILABLE

7994

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

RA4.7

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.