

Section 4a

MOBILE ANTENNAS

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**GRN Series
Highly Flexible “Quick Fit”
Ground Independent UHF**

Frequency 400 – 520 MHz
Bandwidth 20 MHz



Less than 40 cm tall, the GRN series of half wave UHF mobile antennas feature a highly flexible PVC top which is virtually unbreakable. Perfect for rugged off-road driving, forklifts and tractors, these ground independent mobile antennas can be mounted in various positions and offer effective performance with 4 dBi gain.

Factory tuned in various 20 MHz segments, the copper, brass, delrin and PVC construction is purpose built to survive harsh Australian conditions long term.

1. The GRN antenna kits are most popular and consist of :

- The detachable “Quick Fit” antenna top, and
- RA4.7 right-angle UHF female base fitted with 4.7 metres of RG58 low loss stranded cable and UHF male solder connector supplied.



The right-angle UHF female mounting base fits into any bracket with 17 mm minimum diameter hole making these UHF antenna kits perfect for mounting in various positions on a vehicle or to a truck mirror. This unique design makes installation so simple with the additional benefit of being able to easily remove the antenna when not required, or in a situation where you are concerned about damage, vandalism or theft.

- 2. The “Quick Fit” antenna tops alone with UHF male connector inside the base are available separately. Since mounting arrangements differ, this option allows you to select mounting accessories according to your requirements.
- 3. GRNFC series are the fixed cable models. 4.7 metres of RG58 low loss stranded cable bottom exits through the mounting base. The cable is fixed, so this option is ideal when a detachable antenna top is not desirable. Secure the antenna into any bracket with minimum 10 mm diameter hole using the nut and washer on the threaded base.



SPECIFICATIONS	GRNxxx	GRNxxxTP	GRNFCxxx
Models Available	GRNxxx : Detachable antenna top, RA4.7 base and cable set GRNxxxTP : Detachable antenna top only GRNFCxxx : Antenna with 4.7 metres of fixed cable		
Construction	Copper and brass internals, delrin body, highly flexible PVC top		
GRN410, GRN410TP	400 – 420 MHz	White Cap 36 cm	GRNFC410
GRN430, GRN430TP	420 – 440 MHz	Brown Cap 35 cm	GRNFC430
GRN460, GRN460TP	450 – 470 MHz	Red Cap 34 cm	GRNFC460
GRN480, GRN480TP	470 – 490 MHz	Blue Cap 33 cm	GRNFC480
GRN510, GRN510TP	500 – 520 MHz	Yellow Cap 31 cm	GRNFC510
Tuning	All models are factory tuned at < 1.5:1 VSWR full band		
Gain	4 dBi	4 dBi	4 dBi
Maximum Power	50 Watts	50 Watts	50 Watts
Impedance	50 Ohms	50 Ohms	50 Ohms
Polarisation	Vertical	Vertical	Vertical
Packed Weight	360 grams	120 grams	320 grams
Connector Supplied	UHF male	None	UHF male
Mounting	RA4.7 base and 4.7 metre cable set supplied	Select mounting accessories separate	Any bracket with minimum 10 mm diameter hole
	Any bracket with 17 mm diam hole		



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. (RA4.7 is supplied with GRN kits.)



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.