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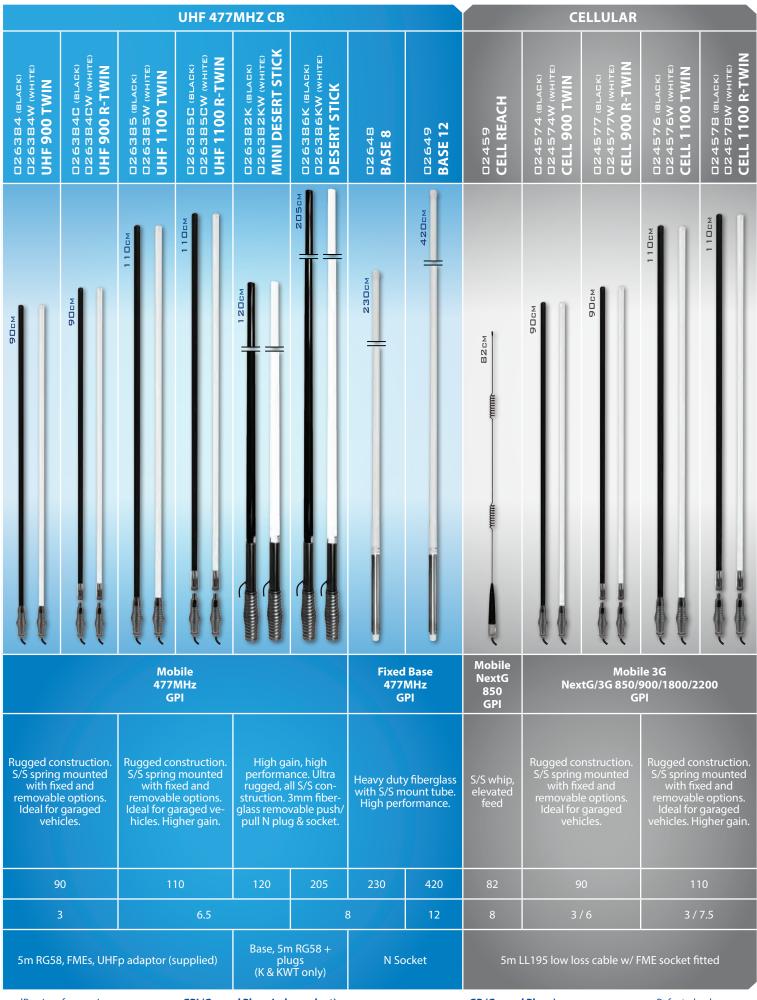
	27MHZ	7MHZ UHF 477MHZ CB										
PART NUMBER(S) ANTENNA NAME	OZ15Z REDBACK	OZ623 HI-GLASS	026231 (STEEL) 026231BK (BLACK) HI-STEEL	026264 FAZE 4	OZ629 ADVENTURER	OZ632 XTENDER	DZ634X (FIXED) DZ634XC (REMOVABLE) FLEXI-DIPOLE	OZ634ZMC RUGGED FLEXI-DIPOLE	OZ635 EXPLORER	DZ637 TRUCKIE	02638 (BLACK) 02638W (WHITE) 4WHEELER	026383C (BLACK) 026383CW (WHITE) UHF STUMPY
LAND MOBILE UHF/27MHZ GB & GELLULAR ANTENNAS	926M	Φ. D.C. M	67cM	150cm	130см	В7см	33cM	ээсм	93см	ВБСМ	30cm	SOCM
APPLICATION	Mobile 27MHz GP	Mobile 477Mhz GP			Mobile 477Mhz GPI			Mobile 450 - 520MHz GPI	Mobile 477MHz GPI			
FEATURES	Pre-tuned, epoxy coated, rugged & flexible	Ideal for corru- gated and rough roads. Braided conduc- tor.	17/7PH polished S/S metal tip. Rugged & flexible.	Tapered Epoxy.	Rugged, long range. Can be mounted anywhere on vehi- cle. Ideal for 4WDs.	Light- weight GPI ideally suited for 2WD vehicles.	Flexible & compact. Ideal emergency antenna for temporary replacement of large colinears.	Ultra rugged, broad- band, flexi dipole. Full band operation.	Rugged & reliable, includes spare emergen- cy whip. Ideal for 4WDs. 3dB hills, 6.5dB flat terrain.	Hi performance/ range. Can be mounted anywhere on the vehicle. Ideal for trucks. Mirrors & gutters.	Conve- nient, all situations covered. Rugged dual antenna, fiberglass enclosed. 3dB hills, 6.5dB flat terrain.	Compact and rugged. Fiberglass enclosed. Remov- able.
LENGTH (cm)	92	65	67	150	130	87	31(X) 33(XC)	33	93 (6.5) 16 (3)	85	120 (6.5) 50 (3)	50
GAIN (dB)	0	4.5 6		9	6.5	4	4	3 / 6.5	6.5	4 / 6.5	3	
TERMINATION	VHF Base 5/16" F thread	5/16	UHF Base 5" female thi	read I (Ground P I	UHF M-Base UHF M Base (XC		Stud (X) UHF M- Base (XC)	UHF M-Base GP (Gro	5m RG58, FMEs, UHFp adaptor (supplied) ound Plane) Refer to back page			

dB gain reference is relative to 1/4 wave on ground plane.

GPI (Ground Plane Independent)Antenna operates independently of vehicle and can be mounted anywhere.

GP (Ground Plane)Antenna requires UHF antenna base with contact to vehicle to operate.

Refer to back page for an in-depth antenna guide.



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BC400

UHF CB PORTABLE RADIO

- 3) 5/2/1W Output Power
- **3) 80 Channel CB** (477MHz)
- 3 48 Dealer Programmable Channels (403 520MHz)
-) Rugged to MIL-STD-810 D/E/F
-) IP65 Rated

Powerful Audio

A powerful 1000 mW speaker ensures high quality, clear, crisp sound, even in noisy environments.

Built In Voice Inversion Encryption

The scrambler feature provides enhanced security for your important public safety and private security communications.

Selectable CTCSS Privacy Tones

CTCSS Tones can be selected via the front key pad of the radio as required. This allows the user to eliminate interference from other local users on the same channel when they choose, providing privacy.



Rugged & Reliable

The BC400 series portable has been built to withstand the most demanding and harsh environments and complies to MIL-STD810 D, E, & F.

Water + Dust Resistant IP65

The BC400 series portable is rated to IP65 providing protection against dust and low pressured jets of water.

Multiple Signalling Options

These radios provide a wide range of signalling options allowing dealers maximum flexibility in configuring systems. Signalling options include: CTCSS, 2 Tone, 5 Tone, DTMF encode and decode.



ANTENNA ACCESSORIES

МОЦ	INTING, BASES, LEADS & MORE							
MOBILE ANTENNA MOUNTING								
02714S	Fold Down Gutter Bracket S/S							
02726S	Heavy Duty Gutter Bracket 5/5							
02728	Mirror/Roof Bracket Bar S/S							
02728B	Mirror/Roof Bracket Bar S/S Mirror/Roof Bracket Bar ZPS							
02729	Wall Bracket 100mm S/S							
027291	Light Weight L Bracket S/S							
02730	Bull Bar Bracket - Right Angle S/S							
02730B	Bull Bar Bracket - Right Angle ZPS							
027303	Adjustible Swivel "Lip" Mount							
027313	Wrap Around Bull Bar Bracket 45mm							
027314	Wrap Around Bull Bar Bracket 50mm							
02732	Heavy Duty Bull Bar Bracket 64mm Tube S/S							
027321	Heavy Duty Bull Bar Bracket 76mm Tube 5/5							
02734	'Z' Trunk Groove Bracket S/S							
02734B	'Z' Trunk Groove Bracket <i>ZPS</i>							
027423	'Super Sucker' Magnetic Suction Base 16mm Hole							
02795	UHF Adaptor 5/16" Male to M Base							
BASE A	NTENNA MOUNTING							
02811	Parrallel Mounting Bracket 90/60mm ZPS							
028115	Parrallel Mounting Bracket 90/60mm S/S							
MOBILE	ANTENNA BASES							
02720	Black VHF Standard Base 5/16" 26 TPI							
02724	'Big Mag' H/D 140mm Mag Base - M Base/UHF Socket & 4m x RG58 to UHFp							
02740	UHF Standard Base 5/16" M 26TPI							
02742	UHF Heavy Duty Base 5/16" Male to UHF Socket							
MOBILE ANTENNA LEADS & ACCESSORIES								
10106F	VHF Base 3.6m RG58 & UHFp Fitted							
101046	5m FMEs to FMEs Extension Cable for 10109C							
10108	UHF Base 3.6m RG58 to UHFp Fitted							
10109	UHF M Base 5m RG58 to FME Socket Fitted							
10109C	UHF M Base 450mm LL100 Black to FME Plug							
10101	Jumper Lead UHFp to UHP 350mm							
173810	UHF 2Way Switch - 2 in x 1 out							
BASE ANTENNA LEADS								
101210	UHF Plug to N Plug 10m x RG213							
101215	UHF Plug to N Plug 15m x RG213							
	VER LEADS							
10505	2 Pin, 2 Amp In-Line Fuse & Holder Suitable for Uniden							
10507	2 Pin "T" Secure Plug 4mm² x 20 Amp Fused + & -ve							
10510	2 Pin, 2 Amp In-Line Fuse & Holder Suitable for GME							

ANTENNA TEST INSTRUMENT

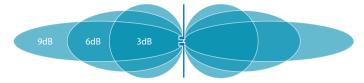
VSWR/Power Meter 1.8-525MHz



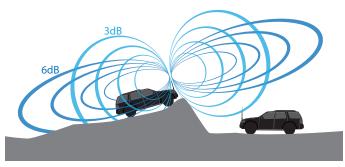
ANTENNA SELECTION GUIDE

WHICH ANTENNA DO I NEED?

Gain describes the shape of the radiation from an antenna. Use a higher gain antenna for better performance in open flat terrain. Use a lower gain antenna for better performance in rough mountainous terrain.



We recommend the use of a lower gain antenna for the communications in vehicle convoy situations.



When operating between mountainous and open terrain, think about choosing an antenna with interchangeable high gain and low gain whip tops, or use two antennas with an RF switch.

Note that Stainless Steel whip antennas will not last on corrugated roads. They are not suitable for this application.

GP/GPI RADIATING PATTERNS

Ground Plane Independent (GPI) antennas can be mounted anywhere on the vehicle.

These antennas work independently of the vehicle body, and as such they provide consistent performance all the way around the antenna.





Grounded Plane (GP) antennas rely on the metal surface of the vehicle for performance. If you mount this style of antenna on the edge of a vehicle, the radiation pattern will be biased towards the area with the largest amount of metal (an offset pattern).



There will also be a deterioration in the VSWR of grounded antennas that are mounted on the edge of the vehicle. Grounded antennas generally should only be mounted in the centre of the vehicle roof.

CONNECTOR ADVICE

We recommend to add a thread locking adhesive (eg Loctite 242 Blue – Threadlocker Medium Strength) at the interface between the cable connector (FME socket) and the UHF plug adaptor as it's possible for this connection to vibrate loose over time.

Exposed connectors should be sealed with self amalgamating tape such as Benelec P/N 5052219BK or equivalent.

CABLE ADVICE

Care must be taken to not damage, cut or crush the coaxial cable when routing it to the transceiver through a vehicle.

We recommend to seal any points where the cable enters the vehicle.

MOUNTING TIPS & ADVICE

- For better performance locate the antenna higher on the vehicle.
- Brackets and antenna mountings are to be secured properly.
- Antennas must be mounted vertically, this is particularly important with higher gain antennas.
- Avoid affixing any object to the antenna as it could affect the performance of the communications system.
- Ground Plane antennas need to be fitted direct to vehicle panels, as bracket mounting will compromise the performance.
- Do not mount antennas close to each other. Min distance should be 70cm between antennas. The further apart the two antennas, the better the performance of each respective antenna.
- Do not mount antennas closer than 70cm to any metal vertical surface.
- Do not mount antennas operating on the same band, at the same horizontal level unless a switch selects them.



