BARRETT			2090 HF Mai			anpack transceiver		
COMMUNICATIONS	Commercial Catalogue		Part Number	Packaging Type	Net Weight			
2090 HF Manpack transceiver			BC209000	C1	4.85 kg			
Standard features:- - 500 channels with frequency range 1 - Power output 10-30 W PEP, power in - Software defined core & DSP - Digital Selective Calling & Telcall - 4 - GPS & RS232 interface - Meets MIL-STD 810G for shock, temp	put 22 VDC nominal		alle of	9		er (frant i rank an		
Optional Features*:- - ECCM Options (COMSEC/TRANSEC - MIL STD 188-141B ALE (JITC certific - Internal fit high speed modem		BC20	09000	2090-01-09)	BCM20900		
* For additional options and accessorie	es, please see relevant section detail.							
Note:- See brochure for more detailed	information.							
Includes:-								
2090 HF Manpack transceiver			BC209000					
Advanced handset			2090-01-09					
Barrett 2090 operation and installati	on manual		BCM20900					

BARRETT					Options
COMMUNICATIONS	Commercial Catalogue	Part Number	Packaging Type	Net Weight	
Automatic link establishment (AL	LE) controller	BCO20505	N/A	N/A	
MIL STD 188-141B ALE (JITC certified	d)		Internal Fit		
	LE fill program is required by the system administrator to set up the ded in the 2000 Series programming kit				

Op	Secure call	BCO20506	N/A	N/A	
Options	A point to point or point to multipoint Secure call system initiated by the entry of a scramble key and Secure call selcall.		Internal Fit		
	Note:- Selcall option must be fitted.				

Frequency hopping	BCO20507	N/A	N/A	
5 or 25 hops per second - no central synchronisation station, no net entry delay or late entry delay. ESU/ GPS to be purchased separately.		Internal Fit		
Note:- This option requires an Australian Government Export Licence.				

BARRETT					Options
COMMUNICATIONS	Commercial Catalogue	Part Number	Packaging Type	Net Weight	
Voice encryption AES 256		BCO20509	N/A	N/A	
Enables the 2090 to operate in FFT base	ed voice scramble mode.		Internal Fit		
Note:- Software and cables are not inclu Please see key injection kit BCA2					

Voice encryption DES 56	BCO20510	N/A	N/A	
Enables the 2090 to operate in FFT based voice scramble mode.		Internal Fit		
Note:- Software and cables are not included. Please see key injection kit BCA20255.				

Secure digital voice Low rate auto vocoder 600/1200/2400 with AES256 encryption	BCO20520	N/A	N/A	
Note:- This option requires key management and keyfill software P/N 2090-04-32 Note:- This option requires an Australian Government Export Licence. Note:- Factory fit only		Internal Fit		

Options

BARRETT					Options
COMMUNICATIONS	Commercial Catalogue	Part Number	Packaging Type	Net Weight	
Secure digital voice auto vocoder 7	00/1200/2400 with DES 56 encryption	BCO20521	N/A	N/A	
Note:- This option requires key manageme	ent and keyfill software P/N 2090-04-32		Internal Fit		

2090-04-32	N/A	N/A	
BCO20511	N/A	N/A	
	Internal Fit		

BARRETT	Commercial Catalogue		Part	Packaging	Net	Options
			Number	Туре	Weight	
Key injection kit for DES 56/ AES 256/ FFT		2	2090-01-34	C4	0.20 kg	

Includes:-

- Scrambler Key Injection Software P/N BCUSB20255
- Serial cable P/N SA-29109
- USB to serial adaptor P/N BCA92318



Ontione

Clover 2000 external modem with USB interface & internet & fax gateway software		BC202900	C4	0.65 kg	
Clover 2000 external modem powered by USB interface from connected ruggedised laptop (not included) running the communications suite software.					
Includes:- - Cable to suit 2090 Manpack - Cable modem to USB	of C	J 🐗			F

- Cable modem earth strap P/N SA-29321
- Instruction manual
- Barrett 2020 HF email and fax gateway software P/N USB-209002







						Ac	cessories
	Commercial Catalogue		Part Number	Packaging Type	Net Weight		
	Battery pack 10 Ah			2090-03-05	C7	1.25 kg	
	16.8 V 10 Ah Lithium Ion - colour b	olack.					
	Waterproof speaker / microp	phone		2090-01-25	C4	0.20 kg	
	With 15 pin connector.				5.		
	Advanced handset			2090-01-09	C4	0.40 kg	
Accessories	Advanced handset with waterproo keypad for use with advanced soft programming. Colour black.	f speaker, microphone, Press-To-Talk (PTT) button and ba tware features such as selcall, groupcall, key entry and fro	cklit control nt panel		9		
	Headphones - lightweight			2090-01-08	C6	0.30 kg	
	Folding headphones with 5 pin co	nnector - colour black.					

BARRETT						Accessories	
	Commercial Catalogue		Part Number	Packaging Type	Net Weight		
Lightweight tactical headset (u	Lightweight tactical headset (under helmet)		2090-01-38	C4	0.28 kg		
	to under helmet mounting, with amphenol 15 pins d clip on Press-To-Talk (PTT) button.			6			
CW key - lightweight			2090-01-07	C4	0.40 kg		
Brass CW key with leg strap and 6 p	pin connector.		•		7		
Collapsible 3 metres whip			2090-02-07	C6	0.40 kg		
With gooseneck - colour black.							
Tape whip - 1.5 metres			2090-02-05	C6	0.25 kg		
For manpack operation in receive m (for transmission from 5 to 30 MHz k	ode but at limited efficiency).						

BARRETT					Ac	cessories
COMMUNICATIONS	Commercial Catalogue		Part Number	Packaging Type	Net Weight	
Emergency long wire antenna		2090-02-06	C4	0.40 kg		
With adaptor to suit whip stud on 209	0 manpack transceivers.			Č.	5	
Counterpoise earth kit - single-	wire		2090-02-09	C4	0.20 kg	
Recommended to increase the efficience below 3 MHz. Includes:- - Winding hub, wire earth radial and p - Carry bag - colour black	ency of the 2090 Operating with whip antennas				5	
Counterpoise earth kit - multi-w	ire		2090-02-08	C4	0.25 kg	
	ency of the 2090 Operating with whip antennas ert areas where normal earth connections are difficu weights	ılt				
Rapid deployment broadband d	lipole antenna - 125 W		2090-02-03	C6	1.85 kg	
UV resistant Dacron cords. Includes:- - Radiators and loads wound on reus - Lanyards wound on reusable spools	band dipole or in compact form. Manufactured with able spools					

BARRETT			Accessorie				
COMMUNICATIONS	Commercial Catalogue	Part Number	Packaging Type	Net Weight			
Rapid deployment wire dipole antenna - 125 W		2090-02-01	C6	2.10 kg			
Operates from 2 to 30 MHz - 125 W PEP Frequency markers attached to Kevlar rac			and a second	>			
Includes:- - Lanyards wound on reusable spools with throw and securing weights - 10 metres of RG-58AU coaxial cable, with waterproof BNC and UHF coaxial connectors							

- Carry bag - colour black

Portable mast	2090-02-04	C2	5.20 kg	
Suitable for rapid deployment broadband dipole antenna - 125 W and rapid deployment wire dipole antenna - 125 W.		- Com		
Includes:- - 7 pieces mast - Guys on winders, earth pegs, guy pegs and hammer - Carry bag - colour black				
Backpack for manpack - colour black	BCA209009	C2	2.30 kg	
The full pack provides for the 2090 and various accessories including wire antennas and spare battery packs. A pouch is provided to hold the 2090's removable display and handset. The side packs can be detached from pack to make the pack more compact. Note:- Solar panel bag not included. See Rapid deploy solar panel P/N BCA209010				

Part Number 2090-01-37	Packaging Type C2	Net Weight 1.0 kg	
2090-01-37	C2	1.0 kg	
2090-04-02	C4	0.35 kg	
	- S		Internal Fit
SA-29109	BCA204	1029	
2090-03-01	C7	1.80 kg	
n (2000) (200) (2000) (102	k	
n	SA-29109 2090-03-01	SA-29109 C7 2090-03-01 C7	SA-29109 C7 1.80 kg

BARRETT					Accessories	
COMMUNICATIONS	Commercial Catalogue	Part Number	Packaging Type	Net Weight		
Rapid deployment solar panel - co	olour black	BCA209010	C6	1.30 kg		
Solar power supply pack for charging an Includes:- - Compact lightweight tactical foldout sol - Folds to 37cm x 22cm x 4cm package battery management unit - Solar panel bag - colour black P/N BC/	lar panel 24 VDC @ 1.2 Amps normal with lead and plug to suit manpack or external					
Rapid deployment hand crank ger	nerator	2090-03-04	N/A	8.25 kg		
For charging and operating the manpack Includes:- - Compact hand crank generator with fol lead and plug to suit manpack or exter - Carry bag - colour black - Hand crank generator manual P/N BCN	d out operator's seat 24 VDC @ 3 Amps peak with nal battery management unit					
GPS receiver / antenna module (E	SU)	2090-01-24	C4	0.15 kg		
	0. Enable the GPS receiver antenna to be placed up to 4 met red at a temporary base station or in a vehicle docking station ced outside the enclosure or vehicle.					

BARRETT				Ac	Accessories	
COMMUNICATIONS	Commercial Catalogue		Part Number	Packaging Type	Net Weight	
Programming kit			2090-01-30	C4	0.20 kg	
PC Programming kit - to suit 2090 M	anpack.					
Includes:- - Software (operating manual include - Serial cable to suit 2090 with DB25 - USB to serial adaptor P/N BCA923	and DB9 adaptors P/N SA-29109					
Display / handset extender inte	erface		BCA209013	C4	0.15 kg	
	be extended up to 30 metres from the transceiver. andset extender cable is used when the display is ca ble is used for remote operation.	arried on front web-				
Display / handset extender cab	le 1.5 metres		2090-01-12	C4	0.10 kg	
Cable that connects the web worn di a manpack configuration.	splay and handset when removed from the PRC-20	990 in		0		
Display / handset extender cab	le 15 metres		2090-01-13	C4	0.85 kg	
deployed in temporary operations ce	be extended 15 metres from the PRC-2090, used we have when it is desirable to have the PRC-2090 located Up to two cables can be daisy chained to achieve 3 rator with the display and handset.	ated outside the		\bigcirc		